LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

ENGINEERING AND RELATED SERVICES

CONTRACT NUMBERS

4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655,4400024656 and 4400024657

IDIQ CONTRACTS FOR

GEOTECHNICAL SERVICES STATEWIDE

Submitted by

EUSTIS
ENGINEERING L.L.C.
SINCE 1946

and

ADAPTIVE
MANAGEMENT AND ENGINEERING

DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ Contracts for Geotechnical Services Statewide
2. Contract number(s) as shown in the advertisement	4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656 and 4400024657
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**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
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.	Signature (shall be the same person as #9):  **Date: 28 June 2022**
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): — Firm(s)' %: Adaptive Management and Engineering, LLC — 2%

12. Past Performance Evaluation Discipline Table:

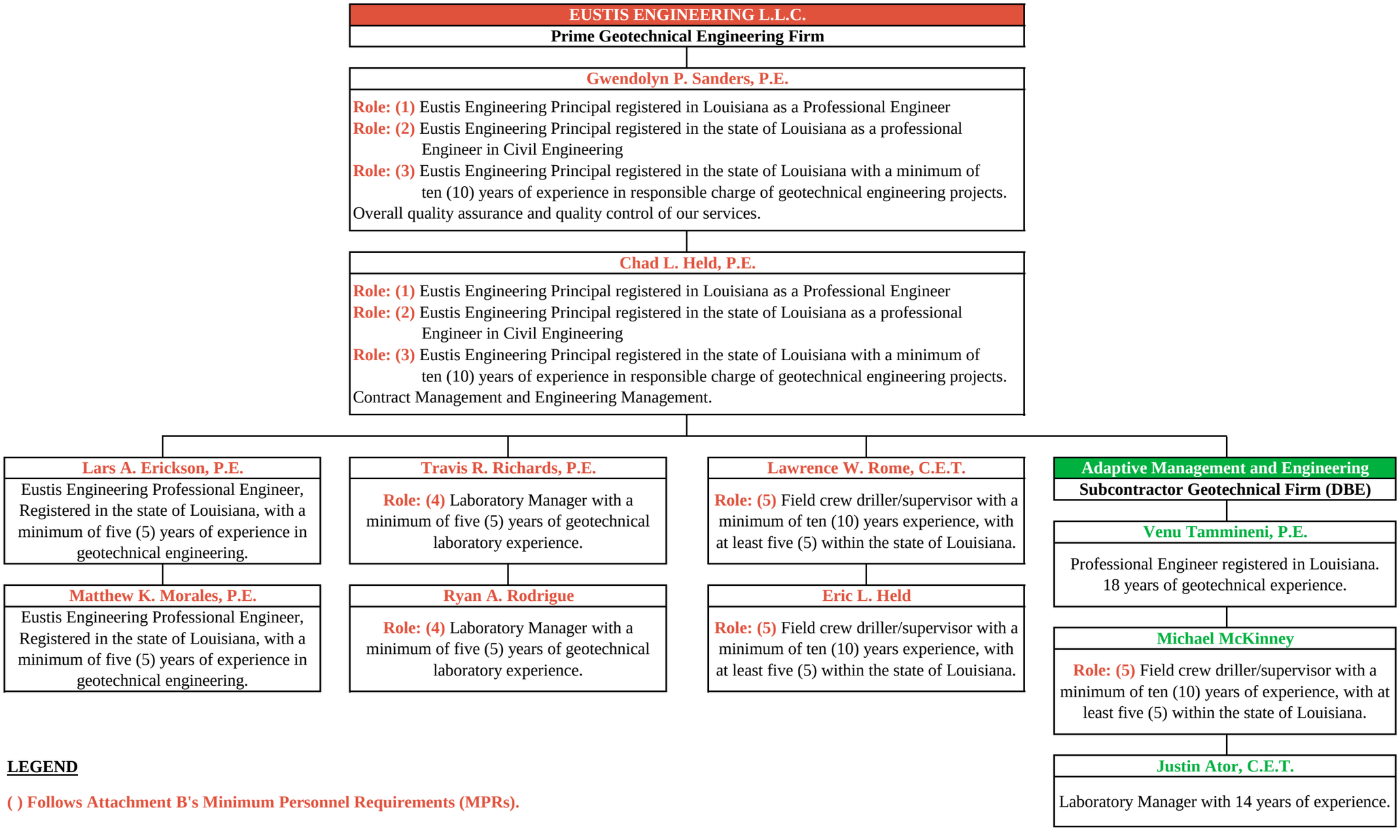
Evaluation Discipline(s)	% of Overall Contract	Prime: Eustis Engineering L.L.C.	Sub-Consultant: Adaptive Management and Engineering, LLC	Each Discipline must total to 100%
Geotech	100%	98%	2%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	100%	98%	2%	100%

13. Firm Size:

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	9
Eustis Engineering L.L.C.	Engineer	1	2
Eustis Engineering L.L.C.	Engineer Intern	2	5
Eustis Engineering L.L.C.	Engineering-Aide	1	1
Eustis Engineering L.L.C.	Accountant	1	5
Eustis Engineering L.L.C.	CADD Technician	1	1
Eustis Engineering L.L.C.	Clerical	3	11
Eustis Engineering L.L.C.	Driller	1	8
Eustis Engineering L.L.C.	Geologist	1	2
Eustis Engineering L.L.C.	Inspector	6	31
Eustis Engineering L.L.C.	Inspector-Certified	1	1
Eustis Engineering L.L.C.	Supervisor-Other	2	8
Eustis Engineering L.L.C.	Technician	9*	21*
Adaptive Management and Engineering, LLC	Principal	1	1
Adaptive Management and Engineering, LLC	Engineer	1	1
Adaptive Management and Engineering, LLC	Engineer Intern	1	1
Adaptive Management and Engineering, LLC	Senior Technician	1	1
Adaptive Management and Engineering, LLC	Driller	1	1
Adaptive Management and Engineering, LLC	CADD Drafter	1	1
Adaptive Management and Engineering, LLC	Technician	1	1

**This includes Soil Technicians and Helpers associated with the geotechnical drilling services. This also includes Laboratory Technicians associated with the performance of soil mechanics laboratory tests.*

14. Organizational Chart:



LEGEND

( ) Follows Attachment B's Minimum Personnel Requirements (MPRs).

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 / certification & number	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	09/30/2023
1, 2, 3	Chad L. Held, P.E.	**Eustis Engineering L.L.C.**	Professional Civil Engineer **P.E.0030257**	LA	09/30/2022
4	Travis R. Richards, P.E.	**Eustis Engineering L.L.C.**	Professional Civil Engineer **P.E.0030992**	LA	03/31/2023
4	Ryan A. Rodrigue	**Eustis Engineering L.L.C.**	N/A	N/A	N/A
5	Lawrence W. Rome, C.E.T.	**Eustis Engineering L.L.C.**	Water Well Contractor (Driller) **License No. 267**	LA	06/30/2022
5	Eric L. Held	**Eustis Engineering L.L.C.**	Trained as Backup Water Well Contractor	N/A	N/A
5	Michael McKinney	**Adaptive Management and Engineering, LLC**	Water Well Contractor (Driller) **License No. 867**	LA	06/30/2022

16. Staff Experience:

Firm employed by	Eustis Engineering, L.L.C.			
Name	**Gwendolyn P. Sanders, P.E.**		Years of relevant experience with this employer	29
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 / 9-30-2023	
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 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 time 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 capacities with ultimate compressive pile load capacities being computed for alternate 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 - Ongoing	LaDOTD - 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 participates in weekly progress meetings both with the design team and with the owner representatives.
02/18 – 9/19	Greater New Orleans Expressway Commission - 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. She also provided oversight and evaluation during the construction phase, including review of the verification testing of indicator piles and monitor piles.

Firm employed by Eustis Engineering, L.L.C.			
Name	**Gwendolyn P. Sanders, P.E.**	Years of relevant experience with this employer	29
Title	President	Years of relevant experience with other employer(s)	0

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 capacities 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 has been the Point of Contact between the Government's Contracting Officer and Eustis Engineering in the administration of this contract which is nearing completion. 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 (one boring to 100 borings) and have included design services and desktop studies.
01/12 – 05/19	State of Louisiana - Route I-10, 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 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 capacities. 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	31
Title	Senior Project Manager and Vice President (Business Development)		Years of relevant experience with other employer(s)	31
Degree(s) / Years / Specialization			Master of Science / 2002 / Civil Engineering Bachelor of Science / 1998 / Civil Engineering	
Active registration number / state / expiration date			License No. 30257 / Louisiana / 9-30-2022	
Year registered	2002	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Held will meet Minimum Personnel Requirement Nos. 1, 2, and 3 of this RFQ. He is a principal of Eustis Engineering 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 time 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 capacities (precast concrete, steel H, and treated ASTM D 25 timber); allowable shaft load capacities (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	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 the No. 200 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.

Firm employed by	Eustis Engineering, L.L.C.		
Name	**Chad L. Held, P.E.**	Years of relevant experience with this employer	31
Title	Senior Project Manager and Vice President (Business Development)	Years of relevant experience with other employer(s)	31

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 WEAP analyses to approve hammers utilized on the project. Upon completion of DPTing 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 DPTs performed by others to ensure DPT data quality. CAPWAP analyses were performed on end of driving and restrike DPTs to evaluate shaft resistance along the pile, soil set up 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.
02/11 - 09/15	State of Mississippi - Design-Build Project, Interstate 269 over Coldwater River, Marshall County, Mississippi (23535): Mr. Held developed the geotechnical scope of work for the project. He performed a detailed review of pile capacity analyses providing compressive, tensile, and lateral load estimates. Mr. Held performed a peer review of a detailed drivability study using GRLWEAP to evaluate the ability of proposed hammers to install test piles and production piles to the desired tip elevations. He used the results of the test pile program to develop pile inspectors' charts for each bridge bent. He managed dynamic pile testing in the field and CAPWAP analyses.

16. Staff Experience:

Firm employed by	Eustis Engineering, L.L.C.			
Name	**Travis R. Richards, P.E.**		Years of relevant experience with this employer	16
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			License No. 30992 / Louisiana / 03-31-2023	
Year registered	2004	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Mr. Richards is responsible for the technical functions/performance of the soil mechanics' laboratory. As a laboratory manager with more than five years' geotechnical experience, he meets Item No. 4 of the Minimum Personnel Requirements in this Advertisement.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/20 - Ongoing	LaDOTD, 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. Richards provided quality review of the laboratory testing services and the CPT results.
01/21 - Ongoing	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.

Firm employed by Eustis Engineering, L.L.C.			
Name	**Travis R. Richards, P.E.**	Years of relevant experience with this employer	16
Title	Vice President of Testing and Senior Project Manager	Years of relevant experience with other employer(s)	7

06/21 – 01/22	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 the No. 200 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, in-place nuclear density testing, and vibration monitoring results.

16. Staff Experience:

Firm employed by	Eustis Engineering, L.L.C.				
Name	**Matthew K. Morales, P.E.**		Years of relevant experience with this employer	13	
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			License No. 38211 / Louisiana / 9-30-2023		
Year registered	2013	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Mr. Morales is a registered professional engineer in the state of Louisiana with over five years of geotechnical engineering experience.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/20 - Ongoing	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. Design services are being provided for seven different major project features. Mr. Morales is the geotechnical design engineer for all project features, which include 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 capacities, and reviewed installation logs of the production shafts and piles. Mr. Morales' responsibilities on this project include performing engineering design work for the project features in a timely manner allowing construction operations to progress with minimal delays.
01/21 - Ongoing	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. Morales has been responsible for performing internal reviews of the engineering analyses performed for this project.

Firm employed by	Eustis Engineering, L.L.C.		
Name	**Matthew K. Morales, P.E.**	Years of relevant experience with this employer	13
Title	Project Manager	Years of relevant experience with other employer(s)	0

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 as coded within GeoSlope International'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: As a project engineer, Mr. Morales performed Wave Equation Analysis of Pile Driving (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: 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, Interstate 10, Highland Road to LA Highway 73, East Baton Rouge and Ascension Parishes, Louisiana: 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.

16. Staff Experience:

<table>
<tr><td colspan="6">Firm employed by Eustis Engineering, L.L.C.</td></tr>
<tr><td>Name</td><td colspan="2">Lars A. Erickson, P.E.</td><td colspan="2">Years of relevant experience with this employer</td><td>6</td></tr>
<tr><td>Title</td><td colspan="2">Project Engineer</td><td colspan="2">Years of relevant experience with other employer(s)</td><td>0</td></tr>
<tr><td colspan="3">Degree(s) / Years / Specialization</td><td colspan="3">Graduate Certificate / 2016 / Coastal Engineering
Bachelor of Science / 2014 / Civil and Environmental Engineering</td></tr>
<tr><td colspan="3">Active registration number / state / expiration date</td><td colspan="3">45818 / Louisiana / 3-31-2024</td></tr>
<tr><td>Year registered</td><td>2021</td><td>Discipline</td><td colspan="3">Civil Engineering</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="3">Mr. Erickson is a registered professional engineer in the state of Louisiana with over five years of geotechnical engineering experience.</td></tr>
<tr><td>Experience dates (mm/yy–mm/yy)</td><td colspan="5">Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).</td></tr>
<tr><td>01/21 - Ongoing</td><td colspan="5">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. To date, Mr. Erickson has put in over 400 hours on this project. His duties include coordinating field work, assigning laboratory tests, performing geotechnical engineering analyses, and authoring the geotechnical exploration reports for submittal to the LaDOTD.</td></tr>
<tr><td>06/21 – 01/22</td><td colspan="5">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 the No. 200 sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client. Mr. Erickson was responsible for coordinating field work, assigning laboratory tests, and compiling the data report for submittal to the LaDOTD.</td></tr>
</table>

Firm employed by	Eustis Engineering, L.L.C.		
Name	**Lars A. Erickson, P.E.**	Years of relevant experience with this employer	6
Title	Project Engineer	Years of relevant experience with other employer(s)	0
05/22 – 10/21	Lafayette City-Parish Consolidated Government - Rue Des Etoiles Road Bridge Replacement, Lafayette Parish, Louisiana (L0556): A new three-span concrete bridge supported on new square, precast concrete piles was slated to replace the existing Rue des Etoiles Road Bridge. Eustis Engineering performed a subsoil investigation comprising three undisturbed soil test borings to evaluate subsoil conditions and stratification, obtain samples of the various substrata, and determine the existing pavement components and thicknesses. Soil samples retrieved during the exploration phase were transported to our in-house laboratory for testing. These data were used for engineering analyses and construction recommendations for this project. In this project, Mr. Erickson performed engineering analyses including estimates of allowable pile load capacities, consolidation settlement estimates, and local and global stability analyses.		
05/18 - Ongoing	U.S. Department of Energy - Strategic Petroleum Reserve, U7069 RWIS Pipeline and Levee Road Crossing, Bryan Mound Site, Freeport, Texas (H0038, 23866, 23956): Mr. Erickson managed the project schedule during field operations, coordinated the disposal of hazardous materials, acted in the capacity of an onsite engineer to oversee drilling operations, and assisted the drilling rigs as a soil technician. Upon completion of drilling operations, Mr. Erickson developed soil parameters, performed geotechnical analyses, and generated the geotechnical engineering report.		
02/18 – 05/18	Lafayette City-Parish Consolidated Government - Dynamic Pile Testing, Gazette Road Bridge Replacement, Scott Louisiana (B0507): The Gazette Road Bridge was replaced on a foundation of square, precast concrete piles. Eustis Engineering provided Wave Equation Analyses of Pile Driving (WEAP) to evaluate the suitability of the proposed hammer, as well as dynamic pile testing (DPT) services to evaluate the proposed piles. Mr. Erickson performed dynamic pile testing restrikes, processed DPT data, and drafted the DPT transmittal letter to the client.		

16. Staff Experience:

Firm employed by	Eustis Engineering, L.L.C.			
Name	**Eric L. Held**		Years of relevant experience with this employer	35
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 Lawrence Rome becomes unavailable.	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Mr. Held meets Minimum Personnel Requirement No. 5. He has more than ten years' experience as a field crew driller/supervisor within 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 time specified in the applicable MPR(s).
03/20 - Ongoing	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 are being 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. Eustis Engineering will witness the bi-directional test shaft and confirm job shaft embedments and perform dynamic pile testing with signal matching to confirm driven pile embedments. Mr. Held's responsibilities for this project included supervision of all drilling operations.
06/21 – 01/22	State of Louisiana – Department of Transportation and Development, 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, percent passing the No. 200 sieve, and consolidation with rebound. A geotechnical data report, boring log files, and test results were provided to the client.

Firm employed by	Eustis Engineering, L.L.C.		
Name	**Eric L. Held**	Years of relevant experience with this employer	35
Title	Drilling Supervisor	Years of relevant experience with other employer(s)	0
01/21 - Ongoing	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. Held supervised the drilling for this project.		
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 and 8-ft shoulders along the edge of the roadway.		

16. Staff Experience:

<table>
<tr><td colspan="6">Firm employed by Eustis Engineering, L.L.C.</td></tr>
<tr><td>Name</td><td colspan="2">Lawrence W. Rome, C.E.T.</td><td colspan="2">Years of relevant experience with this employer</td><td>28</td></tr>
<tr><td>Title</td><td colspan="2">Operations Manager and VP of Operations</td><td colspan="2">Years of relevant experience with other employer(s)</td><td>0</td></tr>
<tr><td colspan="3">Degree(s) / Years / Specialization</td><td colspan="3">Associates Degree / 1998 / Applied Sciences</td></tr>
<tr><td colspan="3">Active registration number / state / expiration date</td><td colspan="3">Water Well Contractor / Louisiana / 6-30-2023</td></tr>
<tr><td>Year registered</td><td>2011</td><td>Discipline</td><td colspan="3">Geotechnical Field Services</td></tr>
<tr><td colspan="3">Contract role(s) / brief description of responsibilities</td><td colspan="3">Mr. Rome meets Minimum Personnel Requirement No. 5. He has more than ten years' experience as a field crew driller/supervisor within Louisiana. His certifications 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)</td></tr>
<tr><td>Experience dates (mm/yy–mm/yy)</td><td colspan="5">Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).</td></tr>
<tr><td>06/21 – 01/22</td><td colspan="5">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.</td></tr>
</table>

Firm employed by Eustis Engineering, L.L.C.			
Name	**Lawrence W. Rome, C.E.T.**	Years of relevant experience with this employer	28
Title	Operations Manager and VP of Operations	Years of relevant experience with other employer(s)	0

01/21 - Ongoing	LaDOTD - Bayou Barataria Bridge, Jefferson Parish, Louisiana (24515): For this full replacement of the Bayou Barataria Bridge, we obtained relevant permits and land access, and drilled 24 borings over water, marsh, and pavement. 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.
06/21 – 01/22	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.

Since joining Eustis Engineering in 1994, Mr. Rome has worked in several departments throughout Eustis Engineering. He began as a laboratory technician, performing simple testing such as grain size analyses, Atterberg liquid and plastic limits, and unconfined compression shear. Mr. Rome has become involved in more complex testing procedures such as permeability and consolidation tests. His capabilities have expanded to include lime stabilization studies, California Bearing Ratio tests, hysteresis, direct shear tests, swelling pressure and percent swell tests, consolidated undrained triaxial shear tests, relative density tests, and compaction tests.

In early 1998, Mr. Rome joined the Drilling Department as a soil technician while assisting the drilling crew as a wrenchman. In November 1998, Mr. Rome became a driller for Eustis Engineering. In this capacity, he performed sampling operations using 3-in. diameter Shelby tubes and 5-in. diameter Corps of Engineers fixed piston sampling. He is also familiar with split spoon, pitcher, Osterberg, Denison, and hollow stem auger sampling operations. He installs piezometers, monitoring wells, inclinometers, and pore pressure transducers. Mr. Rome has drilled to depths in excess of 300 feet utilizing 5-in. fixed piston samplers and in excess of 400 feet for 3-in. diameter Shelby tube sampling. He has drilled from various types of equipment including pontoons, cargo buggies, shallow draft elevating boats, barges, and pull boats using CME, Diedrich, and Failing drill rigs. Mr. Rome has also served as a Quality Assurance/Quality Control inspector for drilling operations for FFEB JV. This included ensuring as many as 22 drill crews were performing sampling operations in strict compliance with USACE specifications.

In the early 2000s, Mr. Rome attended the University of Missouri at Rolla for Advanced Soil Mechanics training. In 2005, he began serving as Operations Manager overseeing the laboratory department's daily objectives, reviewing calculations, developing new skills in laboratory personnel, and performing other relevant duties. In the drilling department, he oversees up to five drilling crews which involves ordering parts, looking at prospective sites, making crew schedules, lining up subcontract equipment, and ensuring the highest quality samples are obtained by drill crews and subcontractors. Mr. Rome also trains new employees.

16. Staff Experience:

Firm employed by	Eustis Engineering, L.L.C.				
Name	**Ryan A. Rodrigue**		Years of relevant experience with this employer	20	
Title	Laboratory Manager		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			High School Graduate / 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 five years' geotechnical experience, Mr. Rodrigue meets Item No. 4 of the Minimum Personnel Requirements 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 time specified in the applicable MPR(s).
03/20 - Ongoing	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. Design services are being provided for seven different major project features. We are also performing pile load tests and attending design review meetings. Mr. Rodrigue is responsible for overseeing laboratory testing and reviewing laboratory data.
01/21 - Ongoing	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. As Laboratory manager, Mr. Rodrigue provided scheduling and oversaw laboratory testing, data management, and quality assurance.

16. Staff Experience:

Firm employed by	Eustis Engineering, L.L.C.				
Name	**Ryan A. Rodrigue**		Years of relevant experience with this employer	20	
Title	Laboratory Manager		Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			High School Graduate / 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 five years' geotechnical experience, Mr. Rodrigue meets Item No. 4 of the Minimum Personnel Requirements 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 time specified in the applicable MPR(s).
03/20 - Ongoing	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. Design services are being provided for seven different major project features. We are also performing pile load tests and attending design review meetings. Mr. Rodrigue is responsible for overseeing laboratory testing and reviewing laboratory data.
01/21 - Ongoing	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. As Laboratory manager, Mr. Rodrigue provided scheduling and oversaw laboratory testing, data management, and quality assurance.

Firm employed by	Eustis Engineering, L.L.C.		
Name	**Ryan A. Rodrigue**	Years of relevant experience with this employer	20
Title	Laboratory Manager	Years of relevant experience with other employer(s)	0

06/21 – 01/22	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 the No. 200 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.
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. Analyses included estimates of allowable vertical pile load capacities at the land borings for support of the proposed bridge replacement and pavement recommendations based on the auger borings. Slope stability analyses were performed for the proposed channel widening and the cofferdam requirements. Lateral load analyses were performed to evaluate the new fender system and bridge support piles. As part of a response to a Value Engineering study, we evaluated the use of drilled shafts.
05/17 - Ongoing	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 CPT 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 provides oversight of laboratory testing and reviews laboratory data.
01/18 - Ongoing	State of Louisiana - Department of Transportation and Development, 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, in-place 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 is responsible for overseeing laboratory testing and reviewing laboratory data.

16. Staff Experience:

Firm employed by: Adaptive Management and Engineering, LLC					
Name	**Venu Tammineni, P.E.**		Years of relevant experience with this employer	3	
Title	Principal/President		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			Master of Civil Engineering / 2005 / Geotechnical Engineering		
Active registration number / state / expiration date			PE 36864/LA/9-30-2022		
Year registered	2012	Discipline	Civil Engineering		
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 time specified in the applicable MPR(s).
01/20 - 03/22	City of East Baton Rouge and Parish of East Baton Rouge - City-Parish Project NO. 20-CP-HC-0004, Baton Rouge, Louisiana: 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 to, preparation of the proposal for the project, discussion with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team.
03/22 - 04/22	City of Patterson - Patterson 2022 Street Improvements; St. Mary Parish, Louisiana: 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 to, 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, Louisiana: 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).

Firm employed by: Adaptive Management and Engineering, LLC			
Name	**Venu Tammineni, P.E.**	Years of relevant experience with this employer	3
Title	Principal/President	Years of relevant experience with other employer(s)	15

06/16 - 09/16	Causeway Boulevard - Earhart Expressway Interchange; New Orleans, Louisiana: Coordinated the drilling activities for limited soil borings for the project. Three-inch diameter soil samples were obtained using a thin-walled tube and piston sampler. Soil stratigraphy was highly variable and layered and required close monitoring of the drilling crews to obtain quality soil samples (Experience with previous employer).
11/14 - 02/15	St. Landry Parish Smooth Ride Home – Phases II-A and II-B; St. Landry Parish, Louisiana: Project included improving the condition of several roadways throughout the parish. Coordinated the field investigation and provided recommendations for the roadway improvements including soil-lime and soil-cement stabilization (Experience with previous employer).
04/11 - 06/11	Phase II Apron Pavement Improvements - Lafayette Regional Airport, Lafayette, Louisiana: Project involved replacing the existing asphalt pavement apron with a new asphalt or concrete pavement apron to accommodate airplanes. Recommendations for CBR and modulus of subgrade reaction for design were provided (Experience with previous employer).

16. Staff Experience:

Firm employed by: Adaptive Management and Engineering, LLC					
Name	**Michael McKinney**		Years of relevant experience with this employer		2
Title	Laboratory Manager/Senior Technician		Years of relevant experience with other employer(s)		21
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			Water Well Contractor / Louisiana / 6-30-2022		
Year registered	2012	Discipline	Geotechnical Field Services		
Contract role(s) / brief description of responsibilities			Mr. McKinney meets Minimum Personnel Requirement No. 5. He has more than ten years' experience as a field crew driller/supervisor within Louisiana. As a Field Services Manager, Mr. McKinney is a Water Well Contractor who may perform and/or coordinate 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 time specified in the applicable MPR(s).
03/22 - 04/22	City of Patterson - Patterson 2022 Street Improvements; St. Mary Parish, Louisiana: 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, Louisiana: 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, Louisiana 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 LaDOTD standards (experience with previous employer).

Firm employed by: Adaptive Management and Engineering, LLC			
Name	**Michael McKinney**	Years of relevant experience with this employer	2
Title	Laboratory Manager/Senior Technician	Years of relevant experience with other employer(s)	21

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

16. Staff Experience:

Firm employed by: Adaptive Management and Engineering, LLC					
Name	**Justin Ator, C.E.T.**		Years of relevant experience with this employer		1
Title	Laboratory Manager/Senior Technician		Years of relevant experience with other employer(s)		13
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			CET 139594 / Louisiana / 2-1-2024		
Year registered	2012	Discipline	Geotechnical Laboratory Testing		
Contract role(s) / brief description of responsibilities			Laboratory Manager/Mr. Ator will oversee all laboratory testing and will perform specialized laboratory testing. He will provide data entry for lab testing, produce boring logs, and will QA/QC all test results.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/22 - 04/22	City of Patterson - Patterson 2022 Street Improvements; St. Mary Parish, Louisiana: 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, Louisiana: 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.
08/20 - 10/20	Flat Lake Sedimentation Study - St. Mary Parish, Louisiana: Mr. Ator performed moisture content, density, Atterberg limits, fines content, hydrometer analysis, organics, column-settling, and low-stress consolidation tests.
08/19	Premier Geotech and Testing, LLC. - Arbor Walk Subdivision; Walker, Louisiana: 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, Louisiana: 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.
06/18 - 08/18	Bayou Long Pump Station - Atchafalaya Basin, Louisiana: 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.

17. Firm Experience

Firm name	Eustis Engineering L.L.C.			Past Performance Evaluation Discipline(s)*	Geotech
Project name	**Bayou Barataria Bridge**			Firm responsibility (prime or sub?)	Prime
Project number	H.004420.5	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)			$287 (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 proposed to be 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 this project, Eustis Engineering 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, 20 were drilled over marsh or water to depths ranging from 100 to 200 feet below the mudline. The remaining four 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 will include vertical and lateral pile analyses, pile scour capacity analyses, lateral load analyses, and pile group settlement. Additional analyses will evaluate ground settlement, settlement surcharge/remediation programs, retaining wall recommendations, slope stability, and pavement design. Deliverables will include boring logs, geotechnical data reporting, geotechnical design reporting, and an electronic boring log data file.

Personnel involved with this project include Gwendolyn P. Sanders, P.E. (Principal), David J. Indest, P.E. (Project Manager), Travis R. Richards, P.E. (Testing Supervisor), Lars Erickson, P.E. (Project Engineer), 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.			Past Performance Evaluation Discipline(s)*	Geotech
Project name	**I-10 and I-12 College Flyover Ramp Design-Build Project**			Firm responsibility (prime or sub?)	Sub
Project number	H.013897	Owner's name	LaDOTD		
Project location	East Baton Rouge Parish, Louisiana			Owner's Project Manager	Sherri LeBas, P.E.
Owner's address, phone, email	8282 Goodwood Boulevard, Baton Rouge, Louisiana, 225-612-4107, slebas@gecinc.com				
Services commenced by this firm (mm/yy)	03/20	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)			$534 (To Date)

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

This ongoing project includes a variety of interchange improvements to I-10 West and College Drive including a flyover ramp exit to College Drive in advance of the I-10 and I-12 West merge, a modified exit from I-12 West to College Drive, and a parallel, separated at-grade ramp along I-10 West to the existing College Drive Interchange.

Eustis Engineering completed an exploration of the site, comprising 10 undisturbed borings, 8 cone penetration tests, and 14 auger or direct push borings. Soil mechanics laboratory tests performed on collected samples consisted of natural water content, unit weight, one-point unconsolidated undrained triaxial compression shear, Atterberg liquid and plastic limits, grain size sieve analyses, hydrometer analyses, and one-dimensional consolidation tests. These data were published in a Geotechnical Exploration Data Report.

The ongoing design includes developing separate geotechnical design reports for each of seven major project features, specifically a sound barrier/noise-wall; the roadway (mainline and exit ramps); the Ward Creek Bridge widening; the I-10 Westbound Bridge over I-12, including driven piles and drilled shafts; retaining and/or Mechanically Stabilized Earth (MSE) walls at modified bridge abutments; box culverts or flumes for site drainage; high mast lighting, Intelligent Transportation Systems (ITS); and other miscellaneous features. We have also performed WEAP analyses for hammer approval of driven piles, approved the Drilled Shaft Installation Plan, and developed the vibration monitoring plan. Eustis Engineering's construction support includes the performance of dynamic pile tests, witnessing bi-directional load tests, and bent approval letters. We are also participating in weekly progress meetings with the project design team and with the project stakeholders. Design review meetings are conducted as part of the quality review process.

Engineers involved with this project include Gwendolyn P. Sanders, P.E.; Chad L. Held, P.E.; Travis R. Richards, P.E.; Sean G. Walsh, P.E.; Patrick A. Thurmond, P.E.; Matthew K. Morales, P.E.; and David J. Indest, P.E.

17. Firm Experience

Firm name	Eustis Engineering L.L.C.			Past Performance Evaluation 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, 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 select portions of the proposed bridge alignment for the I-10 Calcasieu River Bridge Project in Lake Charles, Louisiana.

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 and 25% in marsh. These were all intended to be drilled to 100 feet below the existing ground surface. However, one was terminated prior to reaching the 100-ft depth due to a discrepancy with railroad right-of-way access.

Soil mechanics laboratory tests, performed on samples obtained from the borings, were used to evaluate the physical properties of the subsoils. These tests consisted of natural water content, Atterberg liquid and plastic limits, the percent passing the U.S. Standard No. 200 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. Consolidation tests were also performed on selected samples

The client was provided a geotechnical data report with boring logs and laboratory test results. We also provided an electronic boring log data file.

Gwendolyn P. Sanders, P.E., was a principal on this project. David J. Indest, P.E. was project manager, Lars Erickson, P.E., was a project engineer, Travis R. Richards, P.E., oversaw the testing, Ryan Rodrigue was laboratory manager, Larry Rome oversaw the drilling, and Eric Held led the drilling team.

17. Firm Experience:

Firm name	Eustis Engineering L.L.C.	Past Performance Evaluation Discipline(s)*	Geotech
Project name	**Huey P. Long Bridge Widening, Route U.S. Highway 90**	Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	LaDOTD Through Modjeski and Masters, Inc.
Project location	Jefferson Parish, Louisiana	Owner's Project Manager	Bruce Peterson
Owner's address, phone, email	1055 St. Charles Avenue, New Orleans, LA / 504-524-4344 / bpeterson@modjeski.com		
Services commenced by this firm (mm/yy)	08/06	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	12/14	Cost of consultant services provided by this firm ($1,000's)	$593

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

Eustis Engineering provided support to Modjeski & Masters and Louisiana TIMED Managers during railroad modifications completed as Phase II of the project. The engineering services performed during this phase of construction included review of contractor submittals and RFIs; performance of WEAP analyses for hammer approval; dynamic pile testing during the initial installation of the test piles; DPTs during restrikes of the piles one to three days after their initial installation; and witnessing static pile load tests performed by others. Using the results of static and dynamic load tests and 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 to Modjeski & Masters and Louisiana TIMED Managers during Phase IV of the widening project. These engineering services included assigning laboratory tests on soil borings performed by the contractor; review of final boring logs and test results; performance and evaluation of cone penetration tests to supplement the soil borings; review of contractor submittals for WEAP drivability analyses for hammer approval, pile driving systems, a pile installation plan and installation sequence, cofferdams, and RFIs; performance of end-of-drive DPTs on all test piles; performance of restrikes after initial installation of test piles; restrikes after static load tests, CAPWAP® analyses, and DPT on selected job piles; review of load cell calibrations and observation of compression load tests; recommended pile order lengths and installation criteria; observation of test shaft installation; review and evaluation of crosshole sonic logging on test shafts and production shafts; observation of bi-directional (Osterberg) load testing of shafts; review of load test results; evaluation of shaft tip grouting; witnessing mini-SID inspection of the test shafts and production shafts; review of pile driving logs; and project management. Eustis Engineering participated in progress meetings and partnering meetings, performed periodic site visits, and provided other requested services.

Gwendolyn Sanders was the project manager with Chad Held and Matthew Morales performing dynamic pile testing. Mr. Held also interpreted crosshole sonic logging results.

17. Firm Experience

Firm name	Eustis Engineering L.L.C.			Past Performance Evaluation Discipline(s)*	Geotech
Project name	**Wisner Boulevard Bridge Replacement**			Firm responsibility (prime or sub?)	Sub
Project number	H.004732.5, H.006196	Owner's name	LaDOTD Through Rahman & Associates, Inc.		
Project location	New Orleans, Louisiana		Owner's Project Manager	Rahman Bhatti, P.E.	
Owner's address, phone, email	3645 Williams Boulevard, Kenner, LA 70065 / 504-486-9101 / rassoc@bellsouth.net				
Services commenced by this firm (mm/yy)	03/11	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	08/16	Cost of consultant services provided by this firm ($1,000's)		$120	

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

Eustis Engineering was involved with several phases of the Wisner Boulevard Overpass project. Iinitial 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. These design parameters were used to estimate ultimate compressive pile load capacities being computed for alternate pile sizes using an allowable stress design. Thirteen soil borings were added to the project in 2012.

In 2014, Eustis Engineering performed additional geotechnical engineering services for the Wisner Boulevard Overpass, this time under S.P. No. H.006196 for a new bridge. The replacement bridge was designed to meet AASHTO's Load and Resistance Factor Design requirements. Therefore, we adjusted our design recommendations to adhere to this method. We worked closely with the structural engineer to select a set of foundation design and performance testing recommendations based on our review of the plans. These recommendations were revised several times based on changes in the design and were ultimately summarized in our December 2015 report. After its issuance, we responded to the LaDOTD's comments. We also reviewed and stamped the final pile data table included in the project plans. As the geotechnical design engineer of record, we provided support during construction. Eustis Engineering reviewed the geotechnical aspects of contractor submittals, such as the pile driving system, pile installation plan, and pile driving sequence. We were also available to assist with geotechnical construction issues that arose during the foundation's installation.

Eustis Engineering played a significant role in the pilings for the project. Our services included the performance of dynamic pile tests (DPTs) on both the test piles and driven precast concrete piles. Eustis Engineering witnessed the test pile program and issued our own report of findings and recommendations. CAPWAP® analyses were performed on a blow from each DPT record to provide signal matching verification of the computed capacity. To assist in pile selection, Eustis Engineering evaluated data from multiple sources to provide recommended job pile lengths and planned tip elevations considering pile cutoff elevations. Once job pile installation began, we reviewed production pile driving records and provided changes in the driving criteria when appropriate. Gwendolyn Sanders, P.E., served as the project manager for several phases of the project. Chad Held, P.E., performed CAPWAP analyses and compiled test pile results. David J. Indest, P.E., was the project engineer and attended partnering meetings during the construction phase.

17. Firm Experience:

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

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

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

17. Firm Experience:

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

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

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

Mr. Ator oversaw and performed QA/QC on all laboratory testing, and generated soil boring logs for the project. Engineering design and reporting was overseen by Mr. Tammineni.

17. Firm Experience:

Firm name	Adaptive Management and Engineering, LLC			Past Performance Evaluation Discipline(s)*	Geotech
Project name	**1,4Group, Inc. Proposed Warehouse Facility**			Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	1,4Group, Inc.		
Project location	Ascension Parish, LA			Owner's Project Manager	Gary Leonards, P.E.
Owner's address, phone, email	1297 St. Charles Street, Suite H, Houma, Louisiana 70360, 225-766-7400, GaryLeonards@ProvidenceEng.com				
Services commenced by this firm (mm/yy)	01/22	Total consultant contract cost ($1,000's)			Unknown
Services completed by this firm (mm/yy)	03/22	Cost of consultant services provided by this firm ($1,000's)			$27

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

* If there is more than one past performance evaluation discipline included in the proposal, then indicate which past performance evaluation discipline(s) this project is being used to represent.

The proposed warehouse project parcel is an approximately 9-acre, previously forested lot in Geismar, Louisiana. The warehouse facility will include various structures including a chiller and boiler, main plant, laboratory, warehouse, office building, a parking lot, and roadways. The pavement design for the project includes both rigid and flexible pavements to be accessed by heavily loaded vehicles.

Mr. McKinney coordinated the field exploration activities, which included five soil borings and 15 CPTs completed to a depth of up to 60 feet below ground surface. Mr. Ator oversaw laboratory testing for the project, performed QA/QC, and generated boring and CPT logs. Technical guidance for engineering analyses and reporting was provided by Mr. Tammineni.

18. Approach and Methodology:

Eustis Engineering L.L.C. is a 76-year, small business, geotechnical engineering firm registered with the Louisiana Professional Engineering and Land Surveying 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 28,000 projects, nearly 75% of which were specifically related to geotechnical drilling and analyses. In 2021, we worked on approximately 425 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	103	$25,000 - $50,000	49
$2,500 - $5,000	73	$50,000 - $100,000	17
$5,000 - $10,000	79	$100,000 - $500,000	24
$10,000 - $25,000	86	> $500,000	2

As of this writing in May, Eustis Engineering has been retained on 166 new projects for the year 2022. Approximately 3% of these projects are in Baton Rouge. 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 350 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 section 17 for details of similar projects including two projects under our current IDIQ with 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 $5,000,000 over the next five years. Some of the larger LaDOTD bridge projects Eustis Engineering has undertaken include the I-10 Calcasieu River Bridge Project (S.P. No. H.0039131), the Wisner Boulevard Bridge Replacement (S.P. No. H.006196), and the Bayou Barataria Bridge (S.P. No. H.004420.5), to name just 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 Louisiana's Coastal Protection and Restoration Authority (CPRA), Southeast Louisiana Flood Protection Authority – East (SLFPA-E), the U.S. Army Corps of Engineers (USACE), and the 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 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 EIs and geologists/geoscientists, have extensive experience with all engineering services listed in Attachment A of your advertisement. The engineering analyses expected under this contract are performed in house on a regular – if not a daily – basis by our staff: slope stability, embankments, pile/shaft foundations, pile-supported approach slab design, earth retaining structures, culverts, construction monitoring, geotechnical instrumentation, test pile programs, and dynamic pile testing. In particular, Eustis Engineering is experienced in performing all tasks involved in the geotechnical design according to AASHTO LRFD requirements. We have extensive experience with dynamic pile testing and test pile programs, including 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 MEM sensor array inclinometers; monitoring services for all instrumentation devices with geotechnical interpretation, and installation of data loggers for onsite or remote monitoring (remote monitoring requires cellular connection to provide near real-time web access).

Besides the engineering aspects of the 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 CPTs on 1,000s 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 is 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 LaDOTD:

- Upon award, Eustis Engineering will assign a project manager with more than ten (10) years' experience to oversee all aspects of the geotechnical services. This project manager will provide milestone updates as each task within the project is completed. This will allow for LaDOTD to be up to date on each phase of the project.
- All field exploration services will be performed by experienced personnel with field equipment owned by Eustis Engineering (unless specialized equipment is required) or by our subcontractor, 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.
- Where applicable, Geotechnical Instrumentation will be installed concurrent with the exploration, with readings taken on a pre-determined schedule and transmitted to the LaDOTD (and other designated parties) in a timely fashion.
- Laboratory testing will be performed by certified technicians to ensure LaDOTD, ASTM, and AASHTO procedures are followed for all testing services.
- The assigned Professional Engineer will perform engineering analyses as well as, supported by their team, prepare and send all required deliverables.

Minimum Accreditation Requirements: Both Eustis Engineering and AME are licensed water well drillers through Louisiana's Department of Natural Resources. Additionally, both companies have all 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 previous projects for LaDOTD, Eustis Engineering's Chad Ortolano is currently certified as a traffic control supervisor. We have had multiple other individuals meeting the requirements of flagger, traffic control technician, and traffic control supervisor at different times. Training has been through ATSSA. Should Eustis Engineering be considered for future work with LaDOTD, certifications will be renewed as necessary. In the meantime, our subconsultant, AME, also has personnel certified in traffic control supervisor (Michael McKinney, Jr. and Ryan Williamson), and Traffic Control Technician (Gregory Mattson, II, and Ryan Williamson).

Surveying Portion of Solicitation: Because 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

Adaptive Management and Engineering (AME) is a DBE and Hudson Initiative firm located in Baton Rouge, Louisiana (firm license number is EF.0006701). AME's fleet of field exploration equipment includes an ATV-mounted drill rig, a hand auger, and a miniature vibratory coring sampler. They have a full-service **AASHTO accredited and USACE validated** geotechnical laboratory in Baton Rouge, offering soil extruding, classification testing, strength testing, and specialized testing (consolidation, permeability, miniature vane, and other tests).

AME 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); accessing any data gaps and providing recommendations to the design team for further action; performing site exploration (soil borings, CPT, hand auger, DCP, 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 LaDOTD.

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Eustis Engineering L.L.C.	Geotech	H.003074.5 H.009087.5	Route I-10 Williams Boulevard to Veterans Boulevard and Loyola Drive to Williams Boulevard Jefferson Parish, Louisiana Eustis Engineering Project No. 21687.05	$4,183
Eustis Engineering L.L.C.	Geotech	H.007271.6	Canal Boulevard Reconstruction Robert E. Lee Boulevard to Amethyst Street Orleans Parish, Louisiana Eustis Engineering Project No. 23726	$9,937
Eustis Engineering L.L.C.	Geotech	H.004420.5	Bayou Barataria Bridge 21687.05 Jefferson Parish, Louisiana Eustis Engineering Project No. 24515	$545,925
Eustis Engineering L.L.C.	Geotech	H.003931.5	I-10 Calcasieu River Bridge Project Lake Charles, Louisiana Eustis Engineering Project No. 24584	$18,429
Eustis Engineering L.L.C.	Geotech	H.008145	Geotechnical Engineering Analyses for Phase 2 T-wall LA Highway 1 Leeville to Golden Meadow, Louisiana Eustis Engineering Project No. 24601	$18,970
Eustis Engineering L.L.C.	Geotech	H.013897	I-10 and I-12 College Drive Flyover Ramp Design-Build Project East Baton Rouge Parish, Louisiana Eustis Engineering Project No. B0646	$19,535

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Eustis Engineering L.L.C.	Geotech	H.007273	New Magazine Street Improvements Between Leake Avenue to Avenue East Drive New Orleans, Louisiana Eustis Engineering Project No. 24689	$107,546
Eustis Engineering L.L.C.	Geotech	H.011534	WEAP Analyses for Site 1 West Loyola Drive Over Canal 7 Bridge Replacement Jefferson Parish, Louisiana Eustis Engineering Project No. 24728	$1,100
Eustis Engineering L.L.C.	Geotech	H.002151	WEAP Analyses Bayou Parc Perdu and Creek Bridges LA Highway 339 and LA Highway 339 South Lafayette Parish, Louisiana Eustis Engineering Project No. B0704	$3,300
Adaptive Management and Engineering, LLC	Geotech		Not Applicable	$0

20. Certifications/Licenses:

OFFICES THAT SHALL PERFORM WORK

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.

EUSTIS ENGINEERING L.L.C.

Baton Rouge
13134 Jefferson Highway
Baton Rouge, Louisiana 70817
1-225-706-5564

Metairie
3011 28th Street
Metairie, Louisiana 70002
1-504-834-0157

Lafayette
202 Park West Drive
Scott, Louisiana 70583
1-337-268-9755

Gulfport
14368 Creosote Road
Gulfport, MS 39503
1-228-575-9888

Houston
4116 Rose Way
Houston, Texas 77025
1-713-909-3906

ADAPTIVE MANAGEMENT AND ENGINEERING, LLC

Baton Rouge Main Office
11429 Pennywood Avenue
Baton Rouge, Louisiana 70809
1-225-424-7869

Office of Conservation | Department of Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

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

hereby acknowledges that

ADAPTIVE MANAGEMENT ENGINEERING

Michael McKinney

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

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

Signed and sealed this ***9th*** day of ***August***, ***2021***

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

License No. WWC- ***# 867***

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Adaptive Management and Engineering, LLC

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

NC541330 NC541380

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

Certificate Eligibility: February 2022 to February 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

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

Moe Jamshidi,
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 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	10/04/2018
C1093 (Masonry)	Accreditation of Testing Agencies for Unit Masonry	10/04/2018
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 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	10/04/2018
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
D1556 Density of Soil In-Place by the Sand Cone Method	10/13/2016
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	**Suspended**
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
D4718 Oversize Particle Correction	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
D7928 Particle-Size Distribution (Gradation) of Fine-Grained Soils Using the Sedimentation (Hydrometer) Analysis	11/27/2018

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
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	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 (6000 psi and below)	Capping Cylindrical Concrete Specimens	10/04/2018
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

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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

Moe Jamshidi,
AASHTO COMP Chair

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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
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/20/2016
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 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/20/2016
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

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Asphalt Mixture

Standard:		Accredited Since:
R68	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/20/2016
T30	Mechanical Analysis of Extracted Aggregate	05/20/2016
T166	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/20/2016
T245	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/20/2016
T308	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/20/2016
D2726	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens	05/20/2016
D3549	Thickness or Height of Compacted Bituminous Paving Mixture Specimens	12/07/2021
D5444	Mechanical Analysis of Extracted Aggregate	05/20/2016
D6307	Determining the Asphalt Content of Hot Mix Asphalt (HMA) by the Ignition Method	05/20/2016
D6926	Preparation of Asphalt Mixtures by Means of the Marshall Apparatus	05/20/2016
D6927	Resistance to Plastic Flow of Asphalt Mixtures Using Marshall Apparatus	05/20/2016

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
T191	Density of Soil In-Place by the Sand Cone Method	05/20/2016
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

Scope of AASHTO Accreditation for:

Eustis Engineering L.L.C.

in Metairie, Louisiana, USA

Soil (Continued)

Standard:	Accredited Since:
D1556 Density of Soil In-Place by the Sand Cone Method	05/20/2016
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
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
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:
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:
C31	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
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 (7000 psi and below)	Capping Cylindrical Concrete Specimens	05/07/2012
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)	Preconstruction and Construction Evaluation of Mortars for Plain and Reinforced Unit Masonry - Compressive Strength	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 LLC

in

Gulfport, Mississippi, USA

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

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

Jim Tymon,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

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Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	04/29/2009
C1077 (Aggregate)	Laboratories Testing Concrete and Concrete Aggregates	04/13/2015
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	04/13/2015
D3666 (Aggregate)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	05/27/2015
D3666 (Asphalt Mixture)	Minimum Requirements for Agencies Testing and Inspecting Road and Paving Materials	11/28/2016
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	05/27/2015
E329 (Aggregate)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/27/2015
E329 (Asphalt Mixture)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/28/2016
E329 (Concrete)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/27/2015
E329 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	05/27/2015
E329 (Sprayed Fire-Resistive Material)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	11/28/2016

Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Asphalt Mixture

Standard:		Accredited Since:
D979	Sampling Bituminous Paving Mixtures	01/14/2019
D2726 (Cores)	Bulk Specific Gravity of Compacted Hot Mix Asphalt Using Saturated Surface-Dry Specimens (Cores)	11/28/2016
D2950	Density of Bituminous Concrete In Place by Nuclear Methods	01/14/2019

Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Soil

Standard:		Accredited Since:
R58	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/29/2009
T88	Particle Size Analysis of Soils by Hydrometer	04/29/2009
T89	Determining the Liquid Limit of Soils (Atterberg Limits)	04/29/2009
T90	Plastic Limit of Soils (Atterberg Limits)	04/29/2009
T99	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	04/29/2009
T100	Specific Gravity of Soils	04/29/2009
T180	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/29/2009
T208	Unconfined Compressive Strength of Cohesive Soil	04/29/2009
T265	Laboratory Determination of Moisture Content of Soils	04/29/2009
T267	Determination of Organic Content in Soils by Loss on Ignition	04/29/2009
T296	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	04/29/2009
T310	In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/29/2009
D421	Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	04/29/2009
D422	Particle Size Analysis of Soils by Hydrometer	04/29/2009
D698	The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	04/29/2009
D854	Specific Gravity of Soils	04/29/2009
D1140	Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	04/29/2009
D1557	Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	04/29/2009
D2166	Unconfined Compressive Strength of Cohesive Soil	04/29/2009
D2216	Laboratory Determination of Moisture Content of Soils	04/29/2009
D2487	Classification of Soils for Engineering Purposes (Unified Soil Classification System)	04/29/2009
D2488	Description and Identification of Soils (Visual-Manual Procedure)	04/29/2009
D2850	Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	04/29/2009

Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Soil (Continued)

Standard:	Accredited Since:
D2974 Determination of Organic Content in Soils by Loss on Ignition	04/29/2009
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	04/29/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	04/29/2009
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	04/29/2009

Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Aggregate

Standard:	Accredited Since:
R76 Reducing Samples of Aggregate to Testing Size	10/23/2012
R90 Sampling Aggregate	10/23/2012
T11 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	10/23/2012
T27 Sieve Analysis of Fine and Coarse Aggregates	10/23/2012
T84 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	10/23/2012
T85 Specific Gravity and Absorption of Coarse Aggregate	10/23/2012
T255 Total Moisture Content of Aggregate by Drying	10/23/2012
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	08/03/2009
C127 Specific Gravity and Absorption of Coarse Aggregate	08/03/2009
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	08/03/2009
C136 Sieve Analysis of Fine and Coarse Aggregates	08/03/2009
C566 Total Moisture Content of Aggregate by Drying	08/03/2009
C702 Reducing Samples of Aggregate to Testing Size	08/03/2009
D75 Sampling Aggregate	10/23/2012

Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Sprayed Fire-Resistive Material

Standard:	Accredited Since:
E605 Thickness and Density of Sprayed Fire-Resistive Material(SFRM) Applied to Structural Members	11/28/2016

Scope of AASHTO Accreditation for:

Eustis Engineering LLC

in Gulfport, Mississippi, USA

Concrete

Standard:		Accredited Since:
M201	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	06/07/2014
R60	Sampling Freshly Mixed Concrete	10/23/2012
T22	Compressive Strength of Cylindrical Concrete Specimens	10/23/2012
T23	Making and Curing Concrete Test Specimens in the Field	10/23/2012
T97	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/23/2012
T119	Slump of Hydraulic Cement Concrete	10/23/2012
T121	Density (Unit Weight), Yield, and Air Content of Concrete	10/23/2012
T152	Air Content of Freshly Mixed Concrete by the Pressure Method	10/23/2012
T196	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/06/2019
T231 (7000 psi and below)	Capping Cylindrical Concrete Specimens	10/23/2012
T309	Temperature of Freshly Mixed Portland Cement Concrete	10/23/2012
C31	Making and Curing Concrete Test Specimens in the Field	10/23/2012
C39	Compressive Strength of Cylindrical Concrete Specimens	08/03/2009
C78	Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading)	10/23/2012
C138	Density (Unit Weight), Yield, and Air Content of Concrete	08/03/2009
C143	Slump of Hydraulic Cement Concrete	08/03/2009
C172	Sampling Freshly Mixed Concrete	08/03/2009
C173	Air Content of Freshly Mixed Concrete by the Volumetric Method	12/06/2019
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	08/03/2009
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	10/23/2012
C617 (7000 psi and below)	Capping Cylindrical Concrete Specimens	10/23/2012
C1064	Temperature of Freshly Mixed Portland Cement Concrete	08/03/2009
C1231 (7000 psi and below)	Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	10/23/2012

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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.

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

Jim Tymon,
AASHTO Executive Director

Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 05/07/2022 at 8:55 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Prime consultant name: Eustis Engineering L.L.C.

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

This certificate was generated on 05/07/2022 at 8:55 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

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
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

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

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

22. Sub-consultant information:

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

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Adaptive Management and Engineering, LLC	11429 Pennywood Avenue Baton Rouge, Louisiana 70809	Venu Tammineni, P.E.	1-225-424-7869

23. Location:

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