DOTD FORM: 24-102

(Revised December 12, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	**IDIQ Contract for Geotechnical Services, Statewide**
2. Contract Number(s) as shown in the advertisement	**CONTRACT NOS. 4400032793, 4400032794, 4400032795, 4400032796, 4400032797, and 4400032798**
3. State Project Number(s), if shown in the advertisement	**N/A**
4. Prime consultant name **(name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)**	**Fugro USA Land, Inc.**
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. 0003154** **VF. 0000794**
6. Prime consultant mailing address	**4233 Rhoda Drive, Baton Rouge, Louisiana 70816**
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	**4233 Rhoda Drive, Baton Rouge, Louisiana 70816**
8. Name, title, phone number, and email address of prime consultant's contract point of contact	**Eric Marx, PE, General Manager, Louisiana** **225 800 5400; emarx@fugro.com**
9. Name, title, phone number, and email address of the official with signing authority for this proposal	**Eric Marx, PE, General Manager, Louisiana** **225 800 5400; emarx@fugro.com**

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

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: Date: **August 12, 2025**
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): **Adaptive Management and Engineering, LLC** Firm(s)'%: **5 %**

12. Discipline Table:

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

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

Discipline(s)	% of Overall Contract	Prime: Fugro USA Land, Inc.	Firm B: Adaptive Management and Engineering, LLC	Firm C:	Firm D: N/A	Firm E: N/A	Each Discipline must total to 100%
Geotech	**100%**	**95%**	**5%**				**100%**
Choose an item.							
Choose an item.							
Choose an item.							
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	**100%**	**95%**	**5%**				**100%**

13. Firm Size:

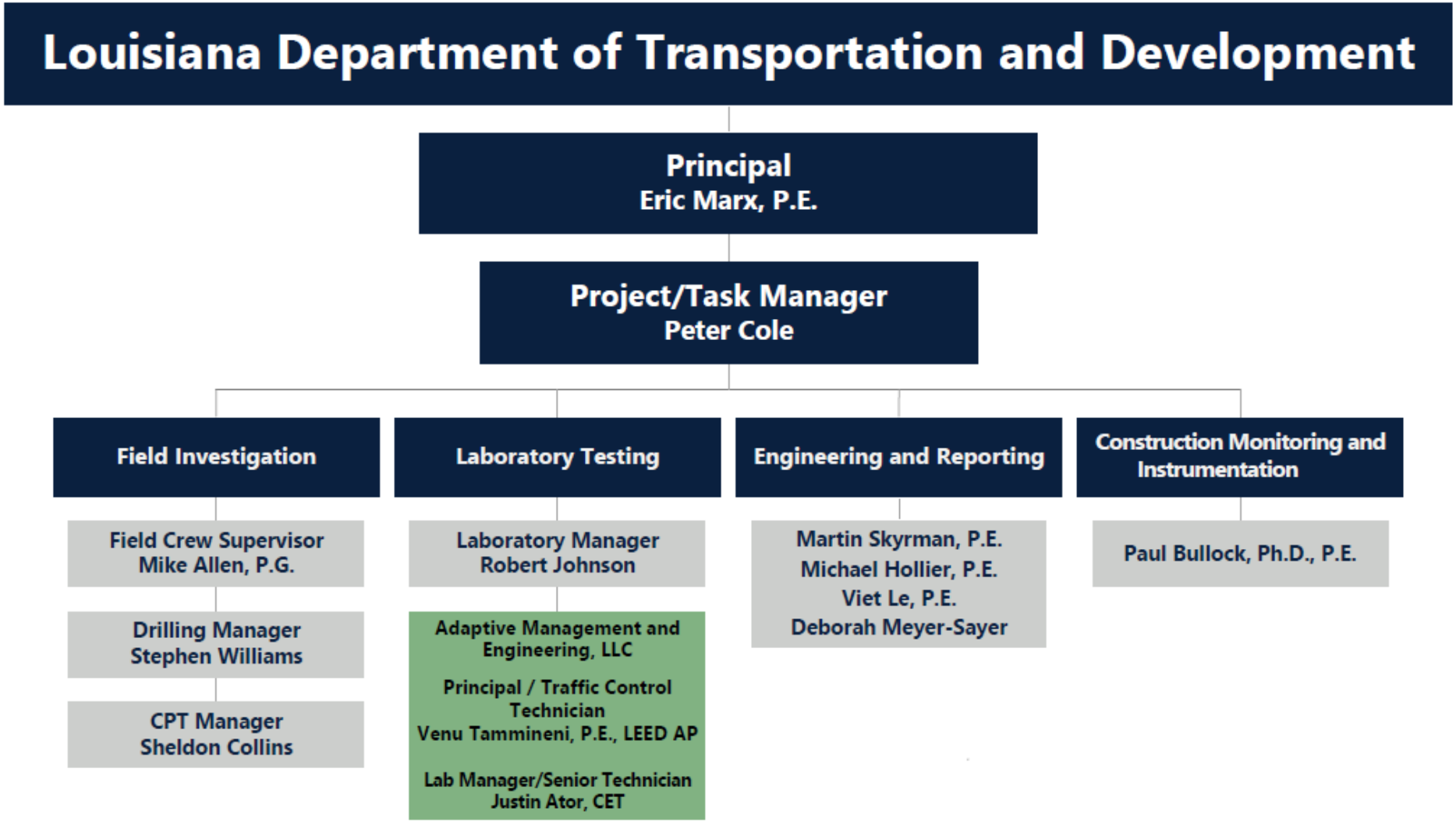
For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (must specify)" and include the classification title inside the parentheses.
The DOTD Job Classification(s) to be used can be found at the following link:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm name	DOTD Job Classification	**Number of personnel committed to this contract**	Total number of personnel available in this DOTD Job Classification (if needed)
Fugro USA Land, Inc.	Principal	2	2
Fugro USA Land, Inc.	Supervisor - Eng	2	4
Fugro USA Land, Inc.	Supervisor - Other	3	4
Fugro USA Land, Inc.	Engineer	1	2
Fugro USA Land, Inc	Engineer – Other	2	4
Fugro USA Land, Inc.	Geologist	2	2
Fugro USA Land, Inc.	CADD Technician	1	4
Fugro USA Land, Inc.	Driller	2	8
Fugro USA Land, Inc.	Labor	4	16
Fugro USA Land, Inc.	Senior Technician	4	8
Fugro USA Land, Inc	Administrative	1	1
Adaptive Management and Engineering, LLC	Principal	1	1
Adaptive Management and Engineering, LLC	Senior Technician	1	1
Choose an item.	Choose an item.		

(Add rows as needed)

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

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.



15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	**Eric Marx, PE**	**Fugro USA Land, Inc.**	**PE #31479 - Civil**	**LA**	**03/31/2027**
2	**Eric Marx, PE**	**Fugro USA Land, Inc.**	**PE #31479 - Civil**	**LA**	**03/31/2027**
3	**Eric Marx, PE**	**Fugro USA Land, Inc.**	**PE #31479 - Civil**	**LA**	**03/31/2027**
4	**Eric Marx, PE**	**Fugro USA Land, Inc.**	**PE #31479 - Civil**	**LA**	**03/31/2027**
5	**Paul Bullock, PE**	**Fugro USA Land, Inc.**	**PE #33812 - Civil**	**LA**	**09/30/2026**
6	**Robert Johnson**	**Fugro USA Land, Inc.**	**N/A**	**N/A**	**N/A**
7	**Michael Allen, PG**	**Fugro USA Land, Inc.**	**N/A**	**N/A**	**N/A**

(Add rows as needed)

16. Staff Experience:

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

Firm employed by **Fugro USA Land, Inc.**			
Name	**Eric Marx, PE**	Years of relevant experience with this employer	**24**
Title	**General Manager, Louisiana**	Years of relevant experience with other employer(s)	**3**
Degree(s) / Years / Specialization		**MS / 2001 / Civil Engineering** **BS / 1999 / Civil Engineering**	
Active registration number / state / expiration date		**31479 / LA / 03-31-2027**	
Year registered **2004**	Discipline	**Civil**	
Contract role(s) / brief description of responsibilities		**Geotechnical Principal-in-Charge, MPR No. 1, 2, 3, 4.** Eric will provide engineering review and oversite of the program tasks as well as serve as the contract signatory for Fugro USA Land, Inc.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/01 - current	**Principal-in-Charge, Fugro Louisiana General Manager** **Eric Marx** has provided geotechnical services on transportation, government, industrial, commercial, and coastal infrastructure projects since joining Fugro in 2001. He has been both geotechnical engineer and geotechnical engineer-of-record (in responsible charge) on some of Louisiana's high-profile transportation projects over the last 24 years, including the I-10 Twin Span Replacement Project, John J. Audubon Bridge, Ambassador Caffery Interchange, Kansas Lane-Garret Road Connector, Statewide Bridge Scour Program and numerous task orders as part of previous LADOTD geotechnical retainer contracts. In 2009, Mr. Marx led the initiative to achieve accreditation by AASHTO for the Baton Rouge laboratory. Since then, Eric has served in the role as Laboratory Technical Manager and Laboratory Quality Manager. Eric's role has involved managing and executing geotechnical programs, developing and overseeing field programs, achieving and maintaining laboratory certifications and performing and reviewing geotechnical engineering analyses on transportation projects.
1/10 – 03/17 **08/20 - current**	**LADOTD Statewide Geotechnical Retainer Contract, Louisiana** Principal-In-Charge. Eric served as Principal-in-Charge for this program which included performing over 20 task orders for bridge structures across Louisiana with a total program cost of over $4M. The scope of work included soil borings (on land and in water), cone penetration test (CPT), laboratory testing, engineering analysis, and design recommendations. Fugro was

	also retained to install geotechnical instrumentation. Eric was Principal-in-Charge, negotiated and oversaw completion of task orders, and worked with DOTD to ensure client satisfaction.
04/04 – 04/19	**Bridge Scour Analysis, Statewide Louisiana** Project Engineer, Project Manager and Principal-In-Charge. Fugro was selected by the Louisiana Department of Transportation and Development (LADOTD), with the assistance of selected Design Consultants, in evaluating the stability of critical bridge structures across the state regarding scour susceptibility. Since 2004, Eric has supervised evaluations on over 300 bridges across Louisiana including coordination of geotechnical field investigations, laboratory testing, and Electric Cone Penetrometer Test (ECPT) soundings. Geotechnical engineering analyses included deep foundation evaluations on driven piles, drilled shafts and caissons for varying scour events and development of soil parameters for input into the FB-Pier Software Program.
09/17 – current	**Kansas Lane, Garrett Road Connector and I-20 Improvements; Ouachita Parish, Louisiana (H.004774.5 and H.007300.6).** Principal-In-Charge. Eric provided contract oversight for the project. Work included conducting geotechnical field investigations and geotechnical analyses for the roadway project with significant interaction with the local airport and businesses. Eric reviewed the results of field and laboratory analyses and performed QA checks on deep foundation calculations, embankment settlement calculations of driven and drilled foundations, and MSE Wall recommendations.
04/13 – 12/24	**LADOTD, I-49 South: Ambassador Caffery and U.S. 90 Interchange, Lafayette Parish, Louisiana** Principal-In-Charge. Eric provided contract oversight for the project. Work included conducting geotechnical field investigations and geotechnical analyses for the roadway project. Eric reviewed results of field and laboratory analyses and performed QA checks on deep foundation calculations, embankment settlement calculations of driven and drilled foundations and MSE Wall recommendations, and construction support services including PDA and settlement monitoring.
03/15 – 08/19	**Livingston Parish Road Improvement Program, Livingston Parish, Louisiana** Principal-In-Charge. Livingston Parish funded this project to rehabilitate approximately 40 roads across the parish each year. Fugro's work included soil borings and collection of bulk samples, laboratory testing for classification and bench scale testing for cement treatment, engineering recommendations for pavement thickness and subgrade preparation, and construction materials testing observations to document compliance with plans and specifications. He oversaw the field operations and engineering analyses.
04/04 – 02/08	**Twin Spans Replacement Project, Orleans and St. Tammany Parishes, Louisiana** Project Engineer on the project to replace the Twin Spans bridge damaged during Hurricane Katrina. He coordinated the field program which consisted of 30 soil borings and over 260 CPT's to depths between 100 and 190 feet in 15 feet of water. Eric helped develop the pile load testing program and performed axial and lateral pile capacity calculations using LRFD methodology.

(Add rows as needed)

Staff Experience:

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

Firm employed by	**Fugro USA Land, Inc.**		
Name	**Paul Bullock, PhD, PE**	Years of relevant experience with this employer	**10**
Title	**Chief Engineer**	Years of relevant experience with other employer(s)	**34**

Degree(s) / Years / Specialization			**PhD / 1999 / Civil Engineering** **MS / 1984 / Civil Engineering** **BS / 1980 / Civil Engineering**
Active registration number / state / expiration date			**33812 / LA / 09-30-2026**
Year registered	**2008**	Discipline	**Civil**
Contract role(s) / brief description of responsibilities			**Principal, Senior Consultant - MPR No. 5.** Paul will provide technical oversight for task orders with deep foundation design, integrity testing, dynamic testing, and static testing, and instrumentation.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
08/81 - current	**Dr. Paul Bullock** is a global expert specializing in site characterization, Pile Driving Analyzer testing (Expert rank), pile setup, static testing, O-Cell testing, and TIP/PIT/CSL integrity testing of cast-in-place and driven piles. In the 1980's, he worked on 18 major bridges. From 2000 to 2004, he was an Asst. Professor at the University of Florida, followed by 4 years of testing/training for GRL Engineers / PDI. Paul joined Fugro in 2011, mentoring staff on deep foundations for projects large and small with numerous projects in Louisiana. He is a subcommittee chair and journal editor for ASTM. His Louisiana experience covers a range of deep foundations and soils. Dynamic (PDA), static, O-Cell, and PIT/CSL/TIP integrity testing of drilled shafts, cast-in-place, and driven piles; design & analysis of shaft/pile capacity, pile setup and WEAP drivability; computer analyses for settlement and foundation capacity; drilled shaft QC/QA including Shaft Inspection Device(SID) and training courses; driven pile QC/QA and training courses; provide PDA/PIT/CSL training courses; instrumentation development; vibration monitoring; site investigation and characterization on land & water using Dilatometer, Cone Penetrometer (electric, pore pressure, mechanical), SPT, SPT Calibrator, SPT Torque and Cone, Texam and Probex Pressuremeters.

10/23 - 10/24	**LADOTD, I-49 South: Ambassador Caffery and U.S. 90 Interchange, Lafayette Parish, Louisiana** Senior Consultant. During the construction phase of this project, Paul provided oversight on the development of the pile load test program. 17 piles were tested during construction and Paul reviewed pile installation data, PDA data and developed capacity estimates using the CAPWAP program to verify adequate capacities were achieved.
12/19 – 08/23	**Plaquemines LNG, Plaquemines Parish, Louisiana** Principal Engineer, Test Pile Program, CAPWAP evaluations, PDA tests and setup capacity evaluations for driven piles for land and marine facilities including dock structures, LNG tanks, process structures and storm surge walls. Over 50 piles were dynamically monitored for capacity assessment during the course of the project.
03/19 – 03/20	**Calcasieu LNG, Cameron Parish, Louisiana** Principal Engineer, PDA tests and setup capacity evaluation for driven pipe piles for land and marine facilities including dock structures, LNG tanks, process structures and storm surge walls. Over 50 piles were dynamically monitored for capacity assessment during the course of the project.
01/19 – 12/20	**Gordie Howe International Bridge, Windsor, Ontario and Detroit, Michigan** Chief Engineer, analyze/review/report CSL and TIP tests for 52 tests and production drilled shafts, up to 10-ft in diameter.
05/15 – 07/17	**Cameron LNG Liquefaction, Hackberry, Louisiana** Senior Engineer, performing PDA and static tests for DeWaal Piles.
04/13 – 02/15	**Permanent Canals & Closures Pumps Project, Orleans Parish, Louisiana** Principal Engineer, PDA, setup, static tests for steel/concrete piles. for land and marine facilities including dock structures, LNG tanks, process structures and storm surge walls. Over 30 piles were dynamically monitored for capacity assessment during the course of the project at three pump station locations on the New Orleans lakefront.
04/14 – 07/14	**Methanex G2 Plant, Geismar, Louisiana** Principal Engineer, providing static/dynamic tests and drive criteria for prestressed concrete piles.
03/11 – 07/12	**Baton Rouge SWWTP, East Baton Rouge Parish, Louisiana** Principal Engineer, PDA and PIT for 14-inch DeWaal piles.
06/10 – 08/11	**I-12 O'Neal Lane Overpass, East Baton Rouge Parish, Louisiana** Branch Manager drilled shaft design, H-piles, PDA/CSL, post grout.
08/10 – 10/11	**I-10 KCS Bridge, East Baton Rouge Parish, Louisiana** Branch Manager, drilled shaft/pile design, PDA/static/O-Cell/PIT/CSL tests.
03/10 – 05/10	**IHNC Seabrook Gate, Orleans Parish, Louisiana** Branch Manager, PDA and static tests, 30-in steel pipe piles.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**			
Name	**Mike Hollier, PE**	Years of relevant experience with this employer	**22**
Title	**Project Engineer**	Years of relevant experience with other employer(s)	**0**
Degree(s) / Years / Specialization		**BS / 2005 / Civil Engineering**	
Active registration number / state / expiration date		**34828 / LA / 03-31-2026**	
Year registered	**2009**	Discipline	**Civil**
Contract role(s) / brief description of responsibilities		**Supervising Engineer.** Mike will manage and execute Geotechnical project phases including proposal preparation, project initiation and coordination, field test result reviews, laboratory assignments, lab test result reviews, geotechnical engineering analyses, and report generation and review.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2003 / current	**Mike Hollier** serves Southwest Louisiana for Fugro where he manages a variety of geotechnical projects. His experience has encompassed projects in the transportation, government, industrial, and commercial sectors across southwest Louisiana since joining Fugro in 2003. During his 22 years of experience, Mike has gained knowledge of geotechnical field & laboratory activities, construction materials testing, and geotechnical engineering. He routinely performs and oversees calculations of pile capacity, shallow bearing capacity, settlement/slope stability of embankments and site preparation activities. He also has experience in construction monitoring of geotechnical construction including pile installation, compaction of soils, and embankment monitoring with instrumentation. Mike's transportation experience has been focused on infrastructure projects in southwest Louisiana. He works routinely with Calcasieu Parish, Cameron Parish and the City of Lake Charles on road/bridge improvement projects. Mike has also contributed geotechnical engineering experience on DOTD projects.
09/13 – 03/17 **08/20 - current**	**LADOTD Statewide Geotechnical Retainer Contract, Louisiana** Mike Hollier served as a Task Order Manager and Project Engineer for this project which included performing over 20 task orders for bridge structures across Louisiana. The scopes of work include soil borings (on land and in water), laboratory testing, engineering analysis, and design recommendations. The bridge projects managed by Mike include the ***Interstate 10 Calcasieu River Bridge (Task Order No. H.003931)*** during 2021. For this project, 72 soil borings, laboratory testing, and data

	reporting were performed for the main bridge structure, overpasses, and pavements. Fugro received high remarks regarding performance on this time sensitive project.
08/20 – 07/24	**LADOTD, I-49 South: Ambassador Caffery and U.S. 90 Interchange, Lafayette Parish, Louisiana** Supervising Engineer. The project included 56 soil borings and 17 Cone Penetrometer Tests, laboratory testing, and driven pile recommendations for bridge/overpass structures and settlement analyses for embankments. Mike provided axial and lateral pile capacity calculations, embankment settlement and stability, technical review and oversight for the project. During construction, Mike assisted with Construction Monitoring of dynamic testing of pile foundations and development of pile driving criteria.
11/19 – 05/20	**Calcasieu Parish Police Jury (CPPJ), Sara Street Bridge Replacement, Blue Wing Civil Consulting, LLC, Sulphur, Louisiana** Location Manager/Geotechnical Engineer of Record. CPPJ plans to replace the existing bridge located along Sara Street in Sulphur, Louisiana with a new slab span bridge supported on precast concrete pile foundations. Mike provided technical review and oversight for this project.
08/17 – 12/17	**City of Lake Charles, West Prien Lake Road Reconstruction, D. W. Jessen & Associates, L.L.C., Lake Charles, Louisiana** Location Manager. The City of Lake Charles is planning for the reconstruction of West Prien Lake Road extending southward to Ihles Road, as well as the reconstruction of Sale Road from its intersection with Prien Lake Road to its intersection with Rue Chan Ann Lane, as well as a portion of Henderson Bayou Road in Lake Charles, LA. Mike provided technical review and oversight for this project.
07/14 – 10/14	**Calcasieu Parish Police Jury (CPPJ), River Road Bridge Replacement, Parish Barn Road Bridge Replacement, Metzger Road Bridge Replacement, Aucoin & Associates, Inc., Calcasieu Parish, Louisiana** Location Manager. CPPJ plans to replace the existing bridges located along River Road, Parish Barn Road, and Metzger Road in Calcasieu Parish, Louisiana with new bridges supported on precast concrete pile foundations or box culverts. Mike provided technical review and oversight for these projects.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**					
Name	**Peter Cole**		Years of relevant experience with this employer	**11**	
Title	**Environmental Services Manager**		Years of relevant experience with other employer(s)	**13**	
Degree(s) / Years / Specialization			**BS / 2000 / Industrial Technology**		
Active registration number / state / expiration date					
Year registered		Discipline			
Contract role(s) / brief description of responsibilities			**Task Order Manager.** Peter will manage and execute Geotechnical project phases including proposal preparation, project initiation, and coordination. **Peter will obtain Traffic Control Supervisor Training prior to contract execution.**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
12/13 - current	**Peter Cole** currently services as a Project Manager for large-scale geotechnical programs in Louisiana. In this role he is responsible for permitting, site evaluating equipment needs, traffic control coordination, project management, and client management. Peter serves as project manager for many of the existing tasks as part of the LADOTD geotechnical retainer contract. Along with Project Manager duties, Peter serves as Environmental Services Manager and has overseen, managed, and performed numerous Phase I and Phase II Environmental Site Assessments (ESAs), in depth Site Investigations, UST removals, development of Work Plans/Corrective Action Plans, soil remediation via removal and disposal, monitoring well installations, groundwater remediation, risk evaluations (RECAP), and various LDEQ consulting projects including VRP program enrollment and other various projects involving sampling of soil and groundwater on commercial and industrial properties.
05/15 – 03/17 **08/20 - current**	**LADOTD Statewide Geotechnical Retainer Contract, Louisiana** Task Manager/Project Manager. Peter Cole has served as project manager for this program which included performing over 20 task orders for bridge structures across Louisiana with a total program cost of over $7M. The scope of work included soil borings (on land and in water), laboratory testing, engineering analysis, and design recommendations. Peter coordinated with DOTD Task Leaders to develop project budgets, assess field conditions for equipment accessibility, coordination of field equipment and traffic control, maintaining project budgets, and client communication.
10/24 – 8/25	**Zeagler Cutoff, LaSalle Parish, Louisiana (H.015015.5)**

	This project consisted of 2 borings for a new bridge structure along Zeagler Cutoff in LaSalle Parish. Peter was project manager and coordinated with the DOTD project manager.
1/24 – 6/24	**Lemon Road Over Drainage Bayou, East Baton Parish, Louisiana (H.014993)** This project consisted of 2 borings for a new bridge structure along Lemon Road over Drainage Bayou in East Baton Rouge Parish. Peter was project manager and coordinated with the DOTD project manager.
03/21 – 10/21	**LA Highway 16 Bridges (Isabel to Sun) St. Tammany Parish, Louisiana (H.013984)** This project consisted of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish. Peter served as project manager.
06/21 – 11/21	**Interstate 10 Calcasieu River Bridge (Task Order No. H.003931)** For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Peter provided Project Management services.
11/21 – 01/22	**US 51 Yellow Water Bridge Tangipahoa Parish, LA (H.012071.5)** This project consisted of 4 borings across a bridge structure near Hammond Louisiana. Peter served as project manager.
03/22 - current	**Colewa-Delemar Bayou Bridges Replacement (H.012032)** This project consists of 6 boings between two separate bridge structures in northern Louisiana. Peter is serving as project manager.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**			
Name	**Robert Johnson**	Years of relevant experience with this employer	**7**
Title	**Laboratory Manager**	Years of relevant experience with other employer(s)	**8**
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities	**Laboratory Manager, MPR No. 6.** Robert will perform advanced testing, oversee quality control and training of the geotechnical laboratory personnel, daily data reduction using gINT, Excel and Geosystems, and calibrations of laboratory testing equipment.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2010 - current	**Robert Johnson** has spent the last 15 years of his career dedicated to the management and performance of geotechnical laboratory functions in Louisiana. Starting in 2010, Robert began working with Gulf Shores Construction Services and was responsible for performing and managing geotechnical testing as part of ongoing civil works projects. The work required development and maintenance of national certifications and validations per project requirements. Robert was instrumental in achieving certification with AASHTO and the Corps of Engineers. He joined the Fugro Baton Rouge laboratory in 2018 as Laboratory Manager and brought his experience to maintain Fugro's high standards of laboratory data acquisition. Robert currently manages a staff of 4 laboratory technicians focused on measuring soil parameters needed for site characterization. Robert maintains Fugro's AASHTO certification, Corps of Engineers validation and Louisiana Department of Environmental Quality (LELAP) certifications for the Baton Rouge laboratory. Some of his specific DOTD experience includes soil testing for Task Orders on Geotechnical Retainer Contract, Statewide Bridge Scour program and Kansas Lane project. Laboratory tests that Robert is proficient with include: ▪ pH of soils ▪ Unconfined Compression ▪ Organic Content ▪ Unconsolidated-Undrained Triaxial Compression

	▪ Hydrometer Analysis ▪ Atterberg Limits ▪ Atterberg Limits ▪ Sieve Analysis ▪ Permeability ▪ Moisture Density Relationship (Proctor) ▪ Specific Gravity ▪ One Dimensional Consolidation Tests ▪ Cement and Lime-Treated Bench Scale Testing
10/24 – 8/25	**Zeagler Cutoff, LaSalle Parish, Louisiana (H.015015.5)** Laboratory Manager. This project consisted of 2 borings for a new bridge structure along Zeagler Cutoff in LaSalle Parish. Robert managed the laboratory testing for the sample collected for the project in accordance with DOTD protocols.
1/24 – 6/24	**Lemon Road Over Drainage Bayou, East Baton Parish, Louisiana (H.014993)** Laboratory Manager. This project consisted of 2 borings for a new bridge structure along Lemon Road over Drainage Bayou in East Baton Rouge Parish. Robert managed the laboratory testing for the samples collected for the project in accordance with DOTD protocols.
06/21 – 11/21	**Interstate 10 Calcasieu River Bridge (Task Order No. H.003931)** Laboratory Manager. For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Robert oversaw laboratory testing allowing Fugro to complete this project ahead of schedule and on budget.
03/21 – 10/21	**LA Highway 16 Bridges (Isabel to Sun) St. Tammany Parish, LA (H.013984)** Laboratory Manager. This project consisted of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish. Robert managed the laboratory testing for the samples collected for the project in accordance with DOTD protocols.
11/21 – 01/22	**US 51 Yellow Water Bridge Tangipahoa Parish, LA (H.012071.5)** Laboratory Manager. This project consisted of 4 borings across a bridge structure near Hammond Louisiana. Robert managed the laboratory testing for the samples collected for the project in accordance with DOTD protocols.
03/22 – 09/22	**Colewa-Delemar Bayou Bridges Replacement (H.012032)** Laboratory Manager. This project consists of 6 boings between two separate bridge structures in northern Louisiana. Robert managed the laboratory testing for the samples collected for the project in accordance with DOTD protocols.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**					
Name	**Mike Allen, PG**			Years of relevant experience with this employer	**22**
Title	**Geoscientist**			Years of relevant experience with other employer(s)	**15**
Degree(s) / Years / Specialization			**BS / 1986 / Geology**		
Active registration number / state / expiration date			**165 / LA / 10-14-2025**		
Year registered	**2015**	Discipline	**Professional Geoscientist**		
Contract role(s) / brief description of responsibilities			**Field Crew Supervisor, MPR No. 7.** Mike will supervise drilling operations for task orders and provide technical oversight of geotechnical, environmental, and geological aspects of task orders issued under this contract.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
01/03 - current	**Mike Allen** has supervised geotechnical field operations for high profile Fugro projects in Louisiana since 2003. He brings over 38 years of geotechnical field experience which includes the development, oversight, logging and characterization of soil exploration, all in Louisiana. His project experience covers geotechnical and environmental services for transportation, industrial, coastal, and commercial applications. As part of his duties, Mike works to determine access and equipment requirements. He has executed field programs for DOTD that included land-based trucks and ATV mounted equipment for conventional access, all the way to marsh-buggy and lift-boat mounted equipment for marine access. His responsibilities include administrative and project management, coordination with drillers and CPT crews, and following specific DOTD sampling protocols.
06/08 – 06/12 **05/12 – 03/17** **08/20 - current**	**Statewide Louisiana Retainer Contract** DOTD has assigned over 50 task orders as part of three separate Geotechnical Retainer contracts. Mike has assisted in the coordination and execution of these task orders which included borings and CPTs in both land and marine environments.
06/21 – 11/21	**Interstate 10 Calcasieu River Bridge (Task Order No. H.003931)** Field Supervisor. For this project, Mike supervised the field work for 72 soil borings performed for the project. Mike coordinated site access and traffic control operations and then provided field oversight and logging services to comply with DOTD protocols.
11/05 – 12/08	**I-10 Twin Spans Replacement Project, Orleans and St. Tammany Parishes, Louisiana**

	As part of the replacement of the I-10 Twin Spans damaged during Hurricane Katrina, an extensive geotechnical data collection campaign was conducted. The program included performing over 30 Soil Borings to depths up to 200-ft below the mudline. The borings were performed in up to 15-ft of open water using lift-boat mounted equipment. Mike managed the data acquisition which required close communication with DOTD due to the accelerated schedule on the project. The project was completed on schedule, which helped advance the design of the emergency project.
05/04 – 06/19	**Statewide Louisiana Bridge Scour Program** DOTD was performing evaluations of bridge scour Statewide. At select bridge locations, borings were performed to acquire data where gaps were noted. Mike managed field operations for this program for over 40 bridge locations which has lasted over 15 years and required access of land- and marine based equipment.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**					
Name	**Martin Skyrman, PE**			Years of relevant experience with this employer	**7**
Title	**Senior Consultant**			Years of relevant experience with other employer(s)	**28**
Degree(s) / Years / Specialization			**MS /1997 / Civil Engineering** **BS /1991 / Civil Engineering**		
Active registration number / state / expiration date			**36651 / LA / 3/31/2026**		
Year registered	**2011**	Discipline	**Civil Engineering**		
Contract role(s) / brief description of responsibilities			**Supervising Engineer, Senior Consultant**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2014 - Current	**Martin Skyrman,** a seasoned geotechnical engineer with a distinguished career as a commissioned officer in the U.S. Army Reserves, Engineers Branch (ret), brings a unique blend of technical acumen and strategic leadership to complex infrastructure and environmental projects**.** He has wide ranging project experience including bridge and roadway, petrochemical and industrial facilities, hospitals and schools, municipal infrastructure, commercial and residential construction, power generation and transmission, waste disposal, dams, mining, forensic engineering, hurricane and flood protection structures (levees, floodwalls, pump stations), shoreline stabilization and marsh creation, and port/wharf infrastructure. Marty has significant experience in performing geotechnical investigations and evaluations for projects in various parts of the U.S. including the west coast, inter-mountain west, the gulf coast, and the mid-Atlantic regions.
2023 - Current	**LA1/LA415 Connector Project – LADOTD (H.005121) West Baton Rouge Parish, Louisiana** Serving as Senior Consultant/Principal Engineer for Fugro. Since 2023, Marty's work included development of field, lab, and engineering program for a new 2.7-mile roadway connecting I-10 and LA-1. Field work began in March 2025 and Marty is currently reviewing field data, assigning laboratory testing, and providing engineering design calculations and consultation to advance the project. Engineering scope includes deep foundation design, retaining wall design, and subgrade surveys.
07/17 - 08/18	**I-405 Caltrans Design-Build Transportation Improvements – Los Angeles, California**

	Senior Consultant. Prepared multiple geotechnical design reports and hydraulic structure foundation reports for the widening improvements included standard plan retaining walls, sound walls, overhead sign structures, main line and bridge approach embankments, infiltration/detention basins, and large box culvert extensions. Geotechnical challenges for the project included high groundwater, highly variable alluvium, and liquefiable soils.
03/10 - 11/21	**Airport Road, South Bridge and State Highway 82 Improvements** Geotechnical design of large diameter drilled shaft foundations for support of a new, three span bridge of cast-in-place segmental construction over the Roaring Fork River. Prepared geotechnical recommendations pertaining to shallow and deep foundations associated with the bridge structure, an airport tunnel structure, a pedestrian underpass box structure, and numerous soil nail, MSE and cast-in-place type retaining walls.
05/20 - 08/20	**K-01-A Scour Critical Bridge, State Highway 141** Senior Consultant. Geotechnical design and recommendations for underpinning of a bridge over the Dolores River as part of CDOT's Scour Critical Program. The scope of the project included drilling soil borings, laboratory testing, engineering analyses. Marty provided design recommendations for micropile foundation elements founded in bedrock to underpin the existing spread footings.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**			
Name	**Deborah Meyer-Sayer**	Years of relevant experience with this employer	**17**
Title	**CAD Technician**	Years of relevant experience with other employer(s)	**18**
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities	**CAD Technician/Reporting Deliverables**: Deborah will use her extensive experience on LADOTD projects and Geotechnical Section requirements to draft boring logs, calculate laboratory results, and deliver digital deliverables.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2008 - Current	**Deborah Meyer-Sayer** joined Fugro in 2008 and has over 35 years' experience in drafting/AutoCAD in a geotechnical environment, all in Louisiana. Over the course of her career, she has maintained the DOTD geotechnical database and has kept up with the evolution of DOTD reporting protocols. She has consulted with DOTD on boring log presentation and development of new templates for reporting. She is responsible for plotting laboratory results on projects and site drawings and has experience with AutoCAD and gINT, the primary reporting tool for DOTD. Deborah is leading the implementation of GIS tools for geotechnical applications in Louisiana. She also performs QA checks on laboratory data and is intimately familiar with DOTD testing protocols having been involved on these tasks during her career.
05/15 – 03/17 **08/20 – Ongoing**	**LADOTD Statewide Geotechnical Retainer Contract, Louisiana** Deborah served as CADD Technician and Data Manager for this program which included performing over 20 task orders for bridge structures across Louisiana with a total program cost of over $4M. The scope of work included soil borings (on land and in water), laboratory testing, engineering analysis, and design recommendations. Fugro was also retained to install geotechnical instrumentation. She worked closely with DOTD to format and generate logs and maintain data through gINT database program for various task orders under this contract.
07/18 – 12/24	**LADOTD, I-49 South: Ambassador Caffery and U.S. 90 Interchange, Lafayette Parish, Louisiana**

	Deborah served as CADD Technician and Data Manager for the project. This project consists of geotechnical recommendations for planned MSE walls, global stability analyses, settlement predictions and mitigation recommendations related to the I-49 south, US 90 and Ambassador Caffery interchange in Lafayette, Louisiana.
03/21 - 10/21	**LA Highway 16 Bridges (Isabel to Sun) St. Tammany Parish, LA (H.013984)** This project consisted of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish. Deborah served as CADD Technician and Data Manager to compile laboratory data and generate deliverables such as graphical logs.
06/21 - 11/21	**Interstate 10 Calcasieu River Bridge (H.003931)** For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Deborah served as CADD Technician and Data Manager which included lab testing data management and log generation for all 72 borings.
11/21 - 01/22	**US 51 Yellow Water Bridge Tangipahoa Parish, LA (H.012071.5)** This project consisted of 4 borings across a bridge structure near Hammond Louisiana. Deborah served as CADD Technician and Data Manager to compile laboratory data and generate deliverables such as graphical logs.
03/18 – 07/18	**Kansas Lane, Garrett Road Connector and I-20 Improvements; Ouachita Parish, Louisiana (H.004774.5 and H.007300.6)** Deborah served as CADD Technician and Data Manager for this project which included management of test results and generation of logs and other report plates.
05/18 – 10/18	**La 44 to US 61, Germany Road Roadway improvements (H.013793)** Deborah served as CADD Technician and Data Manager for this project which included management of test results and generation of logs and other report plates.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**			
Name	**Steve Williams**	Years of relevant experience with this employer	**41**
Title	**Director of Site Investigation, Americas**	Years of relevant experience with other employer(s)	**1**
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities	**Drilling Supervisor/Manager.** Steve will perform management oversight for geotechnical investigations.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
1986 - current	**Steve Williams** has considerable operational and managerial experience in offshore, nearshore (coastal) and onshore geotechnical ground investigations, surveys and exploration drilling gained over a 42-year career within the industry. He also has depth experience in the execution and project management of marine operations conducted from anchored and dynamically positioned vessels, anchored and spud legged barges and self-elevating platforms (jack-up platforms / self-elevating platforms). He also oversees soil and sediment sampling. In 2019, Steve assumed the position of Exploration Service Line Director for the Americas Region. Based in Houston, Steve manages the fleet of exploration resources in the Gulf Coast Region including over 10 drilling crews and 5 CPTs. Steve has a specialty expertise for assessing nearshore site conditions and delivering data acquisition in difficult environments.
03/25 – current	**LA1/LA415 Connector Project – LADOTD (H.005121) West Baton Rouge Parish, Louisiana** Director of Site Investigation. Field work began in March, 2025, and Steve is providing management oversight for the field investigation. Field scope includes over 75 borings with a total footage of over 8,000-ft and 31 Cone Penetration Test soundings with a total footage of over 4,500-ft.
03/21 – 10/21	**LA Highway 16 Bridges (Isabel to Sun) St. Tammany Parish, LA (H.013984)** Director of Site Investigation. Steve provided management oversight for this project consisting of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish.

06/21 – 11/21	**Interstate 10 Calcasieu River Bridge (Task Order No. H.003931)** Exploration Manager. For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Steve served as exploration director for this project which utilized multiple rigs and drilling crews simultaneously in order to meet the deadline for the project.
11/21 – 01/22	**US 51 Yellow Water Bridge Tangipahoa Parish, LA (H.012071.5)** This project consisted of 4 borings across a bridge structure near Hammond Louisiana. Steve directed exploration activities.
11/19 – 01/20	**Houston Ship Channel Widening, Houston, Texas** Project Manager. Seabed hazard survey and 103 geotechnical borings for the Port of Houston. Steve managed the project execution for Fugro which included marine based borings and logistics with ports and the Coast Guard.
05/19 – 11/19	**Enbridge Line 5 Crossing. Straits of Mackinac, Lake Michigan** 18 geotechnical borings, downhole geophysical and insitu testing, laboratory testing and reporting. Steve managed the project execution and client interface.
05/19 – 09/19	**Sabine Neches Channel Widening and Deepening, Sabine Neches Waterway** Project Manager. Seabed hazard survey, 123 geotechnical borings, laboratory testing and reporting.

(Add rows as needed)

Staff Experience:

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Firm employed by **Fugro USA Land, Inc.**			
Name	**Sheldon Collins**	Years of relevant experience with this employer	**34**
Title	**CPT Manager**	Years of relevant experience with other employer(s)	**0**
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities	**CPT Supervisor/Water Well License Holder.** Sheldon will guide scopes of work and access capabilities for CPT task orders and be responsible for the day-to-day operations of CPT tasks.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
1990 - current	**Sheldon Collins** has devoted his career to the development and execution of site characterization using Cone Penetration Testing (CPT) technology. His project experience covers geotechnical and environmental services for transportation, industrial, coastal and commercial applications across the United States. Locally, Sheldon has been a consultant to DOTD on operational issues with CPT equipment that Fugro built for the department, including calibrating the DOTD cones for the last 34 years.
03/25 – current	**LA1/LA415 Connector Project – LADOTD (H.005121) West Baton Rouge Parish, Louisiana** Serving as CPT Supervisor. Field work began in March 2025, and Sheldon managed and supervised the CPT field scope which included 31 Cone Penetration Test soundings with a total footage of over 4,500-ft.
03/21 – 10/21	**LA Highway 16 Bridges (Isabel to Sun) St. Tammany Parish, LA (H.013984)** This project consisted of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish. Sheldon directed CPT activities.
2003 - 2004	**LA1 Relocation, Lafourche Parish, Louisiana** DOTD was having trouble acquiring CPT data to target depths as part of the geotechnical exploration program for the LA1 Relocation project. DOTD reached out to Fugro to develop a system where CPT data could be captured to the desired depths. Sheldon managed the CPT operation of using airboat mounted equipment that was sunk for additional pushing capacity. Due

	to the very soft soil conditions, three levels of casing were needed to provide the rod rigidity needed to capture CPT data to depths of 200-ft below the mudline. The acquired data helped DOTD design an efficient foundation alternative while reducing field costs.
11/05 – 12/08	**I-10 Twin Spans Replacement Project, Orleans and St. Tammany Parishes, Louisiana** As part of the replacement of the I-10Twin Spans damaged during Hurricane Katrina, an extensive geotechnical data collection campaign was conducted. The program included performing over 260 CPT soundings to depths of 175-ft below the mudline. The CPTs were performed in up to 15-ft of open water using lift-boat mounted equipment. Sheldon managed the CPT data acquisition which required close communication with DOTD as piles were being ordered within days of obtaining the data. The data provided reliability for accurate casting of pile foundation order lengths that could not be done with conventional means.
05/04 – 06/19	**Statewide Louisiana Bridge Scour Program** DOTD was performing evaluations of bridge scour Statewide. At select bridge locations, CPTs were performed to acquire data where gaps were noted. Sheldon managed the CPT operations for this program which has lasted over 15 years and required access of land- and marine based equipment.
06/12 – 06/15	**Statewide Louisiana Retainer Contract, Cable Barriers** As DOTD embraced the use of cable barriers to address safety concerns, Fugro was tasked with acquiring CPT data within interstate corridors to develop the data needed to finalize design. Sheldon managed the operations which included traffic control and even nighttime operations to safety capture the data.

(Add rows as needed)

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Firm employed by **Fugro USA Land, Inc.**			
Name	**Viet Le, PE**	Years of relevant experience with this employer	**7**
Title	**Project Engineer**	Years of relevant experience with other employer(s)	**0**

Degree(s) / Years / Specialization			**BS / 2015 / Civil Engineering**
Active registration number / state / expiration date			**49806 / LA / 09-30-2025**
Year registered	**2025**	Discipline	**Civil**
Contract role(s) / brief description of responsibilities			**Project Engineer.** Viet will coordinate field exploration services, geotechnical engineering analysis, design, and reporting for task orders issued.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
05/18 - current	**Viet Le** has served in a variety of capacities ranging from field coordination and execution to engineering analysis and reporting. His project experience similarly spans many markets and industries including but not limited to transportation, energy, coastal resilience, and infrastructure.
2023 - current	**LA1/LA415 Connector Project, LADOTD (H.005121) West Baton Rouge Parish, Louisiana** Serving as Project Engineer for Fugro. Since 2023, work included development of field, lab and engineering program for a new 2.7-mile roadway connecting I-10 and LA-1. Field work began in March 2025 and Viet is currently coordinating the field investigation, reviewing field data, assigning laboratory testing and providing engineering design calculations and consultation to advance the project. Field scope includes over 75 borings with a total footage of over 8,000-ft and 31 Cone Penetration Test soundings with a total footage of over 4,500-ft. Engineering scope includes deep foundation design (axial and lateral driven piles), retaining wall design (slope stability and settlement) and subgrade surveys.
10/24 – 8/25	**Zeagler Cutoff, LaSalle Parish, Louisiana (H.015015.5)** Project Engineer. This project consisted of 2 borings for a new bridge structure along Zeagler Cutoff in LaSalle Parish. Viet coordinated the field investigation, developed the laboratory testing plan according to DOTD protocols, data review and generated logs for the resulting data report deliverable.
1/24 – 6/24	**Lemon Road Over Drainage Bayou, East Baton Parish, Louisiana (H.014993)**

	Project Professional. This project consisted of 2 borings for a new bridge structure along Lemon Road over Drainage Bayou in East Baton Rouge Parish. Viet coordinated the field investigation, developed the laboratory testing plan according to DOTD protocols, data review and generated logs for the resulting data report deliverable.
06/21 – 11/21	**Interstate 10 Calcasieu River Bridge (Task Order No. H.003931)** Project Professional. For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Viet developed the laboratory testing programs for select borings, and developed the final boring log deliverables for the project.
11/21 – 01/22	**US 51 Yellow Water Bridge Tangipahoa Parish, LA (H.012071.5)** This project consisted of 4 borings across a bridge structure near Hammond Louisiana. Viet served as field logger and also developed the laboratory testing program and deliverable logs.
09/19 – 11/19	**City of Chackbay, Chackbay Substation – Entergy Services, Inc., New Orleans, Louisiana** Staff Professional. Entergy Services, Inc. planned for the design and construction of a new substation in Chackbay, Louisiana. Viet coordinated and logged field exploration activities, reviewed soil laboratory testing results, and performed geotechnical engineering analyses for foundation support of the new substation.
02/19 – 07/21	**City of New Orleans, St. Catherine Island Marsh Creation and Shoreline Protection, Coastal Protection and Restoration Authority (CPRA), Baton Rouge, Louisiana** Staff Professional. The Louisiana Coastal Protection and Restoration Authority (CPRA) is planning to install approximately 19,479 linear feet of shoreline protection along the Lake Ponchartrain shoreline protecting 120 acres of marsh. In addition, 219 acres of marsh will be created/nourished on the landward side of the planned shoreline protection. Viet logged field exploration services and assisted with reviewing the soil laboratory testing results.
10/19 – 12/19	**City of Geismar, Praxair Pipe Bridge Improvements, Praxair, Geismar, Louisiana** Staff Professional. Praxair plans for the improvements to an existing pipe bridge at the Praxair facility in Geismar, Louisiana. Viet coordinated and logged field exploration activities, reviewed soil laboratory testing results, and assisted with performing geotechnical engineering analyses for additional foundation support of the existing pipe bridge.

(Add rows as needed)

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

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).**
06/25 - ongoing	**Bayou Grand Cane Bridge Replacement Project NO H.016093; Baton Rouge, LA** **VenuTammineni** is the AME geotechnical engineer for the proposed project that includes replacement of bridges at three locations located on route US 84 in District 04, 0.265 miles apart. Mr. Tammineni is coordinating all aspects of the project including but not limited to preparation of the proposal for the project, discussion with the design team, and will be assigning laboratory tests, performing laboratory testing QA/QC, performing pavement analyses, and preparing the geotechnical report. Field exploration for the project is slated for the fourth quarter of 2025.
03/22 - 04/22	**City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA** Mr. Tammineni provided pavement design recommendations for the proposed pavement improvements for various streets throughout the City of Patterson. Mr. Tammineni coordinated all aspects of the project including but not limited preparation of the proposal for the project, discussion with the design team, assigning laboratory tests, laboratory testing QA/QC, performing pavement analyses, and preparing the geotechnical report.
01/18 - 02/18	**City of Youngsville, Chemin Metairie Parkway and Détente Road Roundabout; Youngsville, LA** The City of Youngsville planned to construct a roundabout at the existing intersection of Chemin-Metairie Parkway and Détente Road. The roundabout will have a larger footprint than the intersection and will require installation of additional fill to

	match grades. Planned and executed field exploration and provided recommendations for rigid and flexible pavements for the project. (Experience with previous employer)
01/20 - 12/21	**City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004; Baton Rouge, LA** Mr. Tammineni provided pavement design recommendations for the proposed pavement expansion for the Highland Road at Siegen Lane/Burbank Drive intersection. As a consultant to Fourrier & de Abreu Engineers, LLC (FDAE), Mr. Tammineni coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team.

(Add rows as needed)

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

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/24- 06/24	**H.001970-LA 561 Bridge Replacement over Boeuf River** **Justin Ator** performed managed all testing for the project and performed numerous strength tests for the project. Additionally, he input the data into gINT and produced all lab reports for the project.
03/22 - 04/22	**City of Patterson, Patterson 2022 Street Improvements; St. Mary Parish, LA** Mr. Ator provided geotechnical laboratory testing and oversight for the project. He generated boring logs and performed QA/QC on all testing performed.
01/22 - 03/22	**1,4Group, Inc Proposed Warehouse and Plant Facility; Ascension Parish, LA** Mr. Ator performed geotechnical laboratory testing and QA/QC for 8 soil borings and 15 CPTs. The project involved rigid and flexible pavement design for a proposed warehouse facility.
8/20 - 10/20	**Flat Lake Sedimentation Study, St. Mary Parish, LA** Mr. Ator performed moisture content, density, Atterberg limits, fines content, hydrometer analysis, organics, column-settling and low-stress consolidation test.
08/19	**Premier Geotech and Testing, LLC., Arbor Walk Subdivision; Walker, LA** Mr. Ator managed subconsultant laboratory testing of 72 soil samples for USCS classification, moisture content, density, Atterberg limits, and unconfined compressive strength.
05/19 - 06/19	**Weeks Marine, Inc., Jack and Bore for Dredge Pipeline and Booster Pump Stations; Cameron Parish, LA**

	Mr. Ator managed and performed laboratory testing for undisturbed samples including USCS classification, moisture content, density, Atterberg limits, fines content, hydrometer analysis, and unconsolidated-undrained triaxial shear strength.
6/18 - 8/18	**Bayou Long Pump Station, Atchafalaya Basin, LA** Mr. Ator performed field investigation, transported soil samples to the laboratory, completed extrusions and performed moisture content, density, Atterberg limits, fines content, hydrometer analysis, and unconsolidated-undrained triaxial shear strength on samples assigned by the project engineer.

(Add rows as needed)

17. Firm Experience:

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

Firm name	**Fugro USA Land, Inc.**		Discipline(s)*	**Geotech**	
Project name	**LADOTD IDIQ Contract for Geotechnical Services**		Firm responsibility (prime or sub?)	**Prime**	
Project number	**4400024650 (current)**	Owner's name	**State of Louisiana, DOTD**		
Project location	**Statewide, Louisiana**		Owner's Project Manager	**Kristy Smith**	
Owner's address, phone, email	**1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1387, Kristy.smith2@la.gov**				
Services commenced by this firm (mm/yy)	**07/10**	Total consultant contract cost ($1,000's)	**6,500**		
Services completed by this firm (mm/yy)	**Current**	Cost of consultant services provided by this firm ($1,000's)	**6,000**		

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

As part of a Statewide Geotechnical retainer contract awarded multiple times, Fugro has performed geotechnical exploration and engineering related services for statewide projects under individual Task Orders for DOTD. The contracts have included over 30 task orders covering a wide geographical area of Louisiana. The geotechnical investigations, sampling, and testing services provided for this contract include:

- Field reconnaissance for equipment access
- Land clearing for equipment access
- Deep and shallow soil borings
- CPT soundings
- Drafting of Boring and CPT logs
- Drafting of subgrade soil surveys
- Instrumentation installation
- Exploration location survey
- Laboratory testing
- Traffic Control for Safe Project Execution

Fugro has developed a comprehensive understanding of LADOTD requirements through execution of these task orders. Fugro's most recent award was in 2023 has included an additional 4 task orders. One of the largest task orders spanned between 2021 and 2022 included the I-10 Calcasieu River Bridge (H.003931), comprised of over 70 borings, utilizing multiple rigs and a number of Fugro professionals to complete on budget and ahead of schedule.

Project Team: Eric Marx, Robert Johnson, Mike Allen, Peter Cole, Mike Hollier, Viet Le, Steve Williams, Sheldon Collins

Firm Experience:

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

Firm name	**Fugro USA Land, Inc.**		Discipline(s)*	**Geotech**	
Project name	**I-49 S: US 90 & Ambassador Caffery Interchange**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H002868.5**	Owner's name	**DOTD (sub to Duplantis Design Group)**		
Project location	**Lafayette Parish, Louisiana**		Owner's Project Manager	**Ryan Morvant (DOTD), Heather Klingman (DDG)**	
Owner's address, phone, email	**314 E. Bayou Rd, Thibodaux, LA 70301 (DDG) 985-447-0090; hklingman@ddgpc.com**				
Services commenced by this firm (mm/yy)	**05/12**		Total consultant contract cost ($1,000's)		
Services completed by this firm (mm/yy)	**12/24**		Cost of consultant services provided by this firm ($1,000's)	**486**	

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

The project included a new interchange at the intersection of US 90 and Ambassador Caffery in Lafayette Parish, Louisiana as part of the I-49 corridor. The section of the interchange for this project includes a 2,000 ft long by 140 ft wide bridge structure, a new 2 lane approach from the north, a new 2 lane approach from the south, about 5,500 feet of new 2 lane frontage road, extensions to tie-in to Sugarfield Rd and Corne Rd, and 2 Future Fly- Over Lanes. Fugro provided geotechnical services that included geotechnical explorations, laboratory testing, engineering analysis, data reporting, and construction monitoring and instrumentation to assist DDG, the prime design consultant, in the design and construction of the new additions. Fugro's specific scope of work included:

- Development of a traffic control plan
- Drilling 21 soil borings to a depth of 150-ft
- Performing 21 CPTs to 150-ft
- Subgrade soil surveys along the alignment
- Pile capacity and pile data tables for various pile sizes of prestressed concrete piles
- Development of a test pile program
- MSE Wall Evaluations
- Development of Surcharge/Settlement Monitoring programs
- Development of Pile Driving Criteria
- Construction Monitoring of Deep Foundation Installation including PDA Testing and CAPWAP
- Review of Surcharge Monitoring Data and Recommendations for Surcharge Removal

Project Team: Eric Marx, Paul Bullock, Marty Skyrman, Mike Hollier, Mike Allen

Firm Experience:

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

Firm name	**Fugro USA Land, Inc.**		Discipline(s)*	**Geotech**	
Project name	**Kansas Lane, Garrett Road Connector and I-20 Improvements**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.004774 & H.007300**	Owner's name	**DOTD (sub to Lazenby and Associates)**		
Project location	**Ouachita Parish, Louisiana**		Owner's Project Manager	**Catherine Mastin (DOTD), Ryan Spillers (Lazenby)**	
Owner's address, phone, email	**2000 N. 7th Street, West Monroe, LA 71291 (Lazenby) 318-387-2710; rspillers@lazenbyengr.com**				
Services commenced by this firm (mm/yy)	**09/17**		Total consultant contract cost ($1,000's)	**Unknown**	
Services completed by this firm (mm/yy)	**Current**		Cost of consultant services provided by this firm ($1,000's)	**330**	

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

The project includes the widening of Garrett Road and a connection from I-20 to Kansas Lane in Monroe. Garrett Road is planned to widen to four lanes from the intersection with Huntington Drive, north to Millhaven Road. The existing overpass along Garrett Road over I-20 will be straightened. A second overpass will be added south of I-20 and extending across the I-20 interchange. Garrett Road improvements include a second two-lane bridge beginning south of Millhaven Road, passing over Millhaven Road and the Kansas City Southern (KCS) railroad (KCS) and ending north of Millhaven Road. The southern bridge approach will consist of an embankment, mechanically stabilized earth wall (MSEW) structure. Fugro provided a geotechnical study that included geotechnical exploration, laboratory testing, engineering analysis and data reporting to assist Lazenby & Associates, Inc., the prime design consultant, in the design of the new additions. Fugro's specific scope of work included the following:

- Developed a traffic plan and implemented traffic control for the field
- Drilled 22 pavement borings for a subgrade soil survey program
- Drilled 26 soil borings ranging from 70 to 120-ft each using LADOTD protocols
- Performed external stability and settlement calculations for MSEW
- Embankment settlement and slope stability calculations for various fill heights and surcharge evaluations
- Performed deep foundation engineering analysis and developed pile order lengths using AASHTO LRFD specifications
- Evaluated group settlement effects for deep foundations

Project Team: Eric Marx, Viet Le, Mike Allen

Firm Experience:

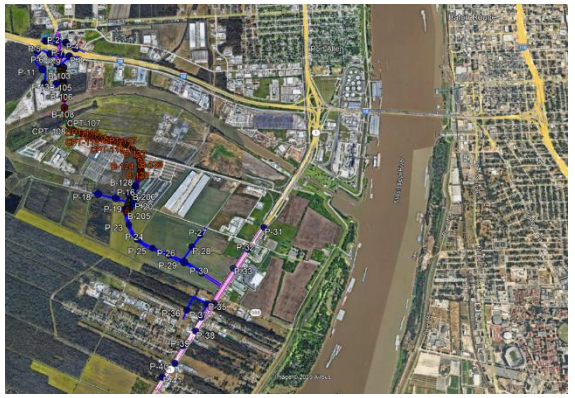
Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects*** should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If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

Firm name	**Fugro USA Land, Inc.**		Discipline(s)*	**Geotech**	
Project name	**LA1/LA 415 Connector Project**			Firm responsibility (prime or sub?)	**Sub**
Project number	**H.005121**	Owner's name	**DOTD (sub to TRC Engineers, Inc.)**		
Project location	**West Baton Rouge Parish, Louisiana**		Owner's Project Manager	**Mike Paul (DOTD), Nick Olivier (DOTD)**	
Owner's address, phone, email	**4545 Sherwood Common Blvd, Building 3A, Baton Rouge, LA 70816 225-372-1336; mpaul@trccompanies.com (TRC Engineers)**				
Services commenced by this firm (mm/yy)	**06/24**		Total consultant contract cost ($1,000's)		
Services completed by this firm (mm/yy)	**current**		Cost of consultant services provided by this firm ($1,000's)		**2,416**

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

The project includes a connector roadway between LA1 (near LA 988 Beaulieu Lane) and I-10 at the LA 415 interchange in West Baton Rouge Parish. The connector roadway is approximately 2.7 miles in length, consists of a 4-lane roadway and includes modifications to the I-10 ramps at LA415, bridges at the Intracoastal Waterway and Sun Plus Parkway and interchange at LA1. TRC Engineers is the designer and Fugro is the geotechnical subconsultant. Fugro's work began in 2023 to develop the specific scope of work and field work began in March 2025. Fugro's scope of work includes the following:

- Developed a traffic plan and implemented traffic control for the field
- Coordinate site clearing for difficult access borings
- Drilling 41 pavement borings for a subgrade soil survey program
- Drilling 34 deep soil borings to 150-ft each using LADOTD protocols
- Performing 31 CPT soundings to 150-ft each
- Performing external stability and settlement calculations for MSEW
- Embankment settlement and slope stability calculations for various fill heights and surcharge evaluations
- Performed deep foundation engineering analysis/developed pile order lengths using AASHTO LRFD specifications
- Subgrade soil surveys



Project Team: Eric Marx, Peter Cole, Robert Johnson, Viet Le, Mike Allen, Marty Skyrman, Steve Williams, Sheldon Collins

Firm Experience:

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

Firm name	**Fugro USA Land, Inc.**		Discipline(s)*	**Geotech**	
Project name	**I-12 to Bush Corridor, LA 3241 (I-12 to LA 36)**		Firm responsibility (prime or sub?)	**Sub**	
Project number	**H.004957**	Owner's name	**DOTD (sub to Evans-Graves Engineers, Inc.)**		
Project location	**St. Tammany Parish, Louisiana**		Owner's Project Manager	**Gerald Menard (Evans-Graves)**	
Owner's address, phone, email	**9029 Jefferson Highway, Suite 200, Baton Rouge, LA 70809 (Evans-Graves) 225-926-1620; gmenard@evans-graves.com**				
Services commenced by this firm (mm/yy)	**03/17**		Total consultant contract cost ($1,000's)		
Services completed by this firm (mm/yy)	**07/21**		Cost of consultant services provided by this firm ($1,000's)	**390**	

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

The project included the widening of LA 434 from the current two-lane section to a four-lane section from the Interstate I-12 interchange northeast for about 2.2 miles, then adding a new four-lane alignment with an 18-ft-wide median northeast for about 6.1 miles, terminating at LA 36. The project included a 195-ft-long, three-span bridge over Firetower Road, with AASHTO type III girders spaced at 65 ft on center. Planned cross drains and metal side drains along LA 434 and near LA 36 range from 24- to 42-inch-diameter pipes, consisting of single, double, and triple barrel configurations.

Fugro provided a geotechnical study that included geotechnical exploration, laboratory testing, engineering analysis and data reporting to assist Evans-Graves Engineers, Inc., the prime design consultant, in the design of the new additions. Fugro's specific scope of work included the following:

- Developed a traffic plan and implemented traffic control for the field
- Drilled 33 pavement borings for a subgrade soil survey program
- Drilled 64 soil borings ranging from 8 to 110-ft each using LADOTD protocols
- MSE wall considerations
- Embankment Settlement calculations for various fill heights and surcharge evaluations
- Performed deep foundation engineering analysis and developed pile lengths using AASHTO LRFD specifications
- Developed test pile program

Project Team: Eric Marx, Marty Skyrman, Viet Le, Peter Cole

Firm Experience:

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

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

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

The Louisiana Department of Transportation and Development (LADOTD) is performing engineering and design for the replacement of the Route LA 561 bridge over the Boeuf River in Herbert, Louisiana. GeoEngineers was requested to perform the geotechnical exploration and laboratory testing services. As part of the GeoEngineers team, AME is currently performing a full suite of laboratory testing services for the project, per DOTD requirements. Justin Ator and Stephannie Campbell are overseeing the testing and QA/QC for the project. A laboratory summary will be provided for LADOTD after overall review from Mr. Mattson and Mr. Tammineni. This project was completed on time and within budget.

Geotechnical Laboratory Testing

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

Project Team: Venu Tammineni, Justin Ator

18. Approach and Methodology:

Fugro's mission is to create a safe and liveable world. To accomplish this mission, Fugro's values include the following:

We are determined to deliver
We build trust
We do what's right
We prepare for tomorrow

Over the past 20 years, Fugro has applied these values to develop a strategic partnership with LADOTD that has resulted in executing geotechnical programs for some of the largest infrastructure projects in Louisiana. This experience has resulted in a comprehensive understanding of the LADOTD requirements included in this advertisement. In addition, Fugro has delivered complex transportation projects across the United States with partnerships at the local, state and federal level.

Fugro understands that the success of a project and satisfaction of stakeholders depends on proper planning and efficient execution. These cannot be accomplished without a capable and professional workforce equipped with the tools necessary to complete a task to the level of quality we expect of ourselves and that our clients demand. Our drillers, loggers, technicians, and engineers have demonstrated over the course of our Geotechnical retainer contracts that we will deliver quality field work, reliable geotechnical data, and valuable engineering consultation in a safe and timely manner on behalf of DOTD. The following sections detail how we have accomplished these goals and how we will continue to do so.

We understand the scope of services for this advertisement includes Geotechnical Investigations, Laboratory Testing, Geotechnical Reporting, Geotechnical Engineering, Constructional Monitoring and Instrumentation. Details of our approach for executing task orders for these services is detailed below:

Task Order Development, Preliminary Site Visit, HSE Plan, Subsurface Hazard Mitigation, Traffic Control

- Requests for Work typically come from the LADOTD Geotechnical Section. As part of task order development, Fugro will work with the Project Manager to develop a Subsurface Investigation Plan that includes schedule, landowner coordination, health and safety requirements, equipment accessibility requirements, traffic control requirements, schedule for execution, and project budget.
- Upon Notice to Proceed, Fugro will begin task order execution including utility clearance with Louisiana One-Call and other means to clear buried hazards and ensure the safest possible execution of exploration.
- Fugro will coordinate traffic safety through traffic control technicians and supervisors to enhance safety and efficiency of field activities.
- Exploration activities performed under the supervision of ***Licensed Water Well Driller, Sheldon Collins.***

Soil Boring Methodology

- Borings will be completed for land-based projects using truck, track, or ATV-mounted drilling equipment based on accessibility, and will employ a combination of dry auger and wet rotary techniques.
- Borings for marine-based projects include mounting drilling rigs on barges, lift boats, marsh buggies, and pontoon vessels.
- Experienced engineers, geologists, and field technicians supervise field tasks to verify work is performed in accordance with LADOTD guidelines for Thin-Walled Tube Sampling, Standard Penetration Tests and Split-Barrel Sampling, sample intervals, sample classification, equipment calibration, sealing of boreholes, survey requirements and preservation/transportation of soil samples.

Fugro owns a fleet of drilling assets that can be utilized to execute soil boring programs. A summary of owned equipment is included below:

		Drill Method				Drill Mount					
Quantity	Rig	Hollow-Stem	Rotary Wash	Air Rotary	Hydraulic Sampling	Truck	Buggy/Track	Skid	Portable	Trailer	Normal Drilling Capability
2	CME 850	✓	✓				✓				150' (augers) and 300' (wet rotary)
5	CME 75	✓	✓			✓					150' (augers) and 300' (wet rotary)
1	CME 750	✓	✓				✓				150' (augers) and 300' (wet rotary)
3	CME 55	✓	✓	✓		✓					100' (augers) and 500' wireline
1	CME 55	✓	✓					✓			100' (augers)
1	CME 75	✓	✓					✓			150' (augers)
1	Failing 1500		✓			✓					1000'
1	Little Beaver	✓	✓						✓		50'

Fugro Drilling Equipment (left to right): Summary of available Drilling Rigs, Truck, Track, ATV Rigs

Cone Penetration Test Methodology

- CPT soundings will be conducted using a truck-, buggy- or track-mounted CPT unit that uses the weight of the vehicle to push a cylindrical steel probe into the ground. Data is obtained by pushing a series of cylindrical rods with an instrumented probe at the base into the soil at a constant rate. The probe consists of a cone tip element and a side friction sleeve element. Continuous measurements of penetration resistance at the cone tip and friction on the friction sleeve are recorded during the penetration. The side friction and tip resistance measurements are used in conjunction with the soil boring information to directly determine the in-situ soil properties. The use of CPTs reduces the overall project time due to a higher production rate (ft/day) compared to soil borings and through a reduction in overall lab testing (no lab tests are conducted for the CPTs).
- Maintaining project schedule while providing high quality CPT data will require availability of equipment and Fugro is prepared to deliver.

CPT Equipment	
Qty	Mount
13	Truck
4	Track
2	Skid
19	**Total**

Fugro CPT Equipment (left to right): Truck-Mounted CPT, Total CPT equipment Track-Mounted CPT

Laboratory Methodology

Quality laboratory data is paramount in providing the accurate information engineers need to provide design recommendations. Fugro staffs experienced laboratory management and technicians familiar with LADOTD requirements to perform laboratory testing. Fugro maintains current AASHTO accreditations for the test methods listed in the advertisement and will perform laboratory testing at our ***Baton Rouge laboratory***. Current certificates are included in Section 20.

Fugro has also teamed with **Adaptive Management and Engineering, LLC** to supplement laboratory capacity and provide DBE support for task order execution.

The actual laboratory testing to be performed will be developed once the field logs have been reviewed. At this time, we anticipate performing the following laboratory work:

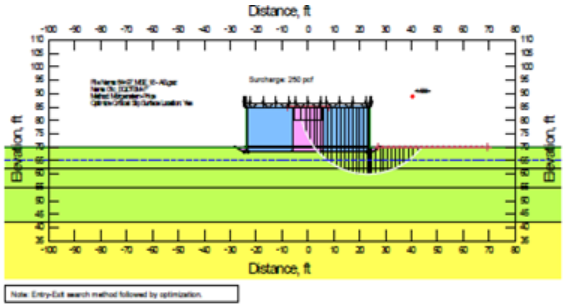
- Soil classification tests, including but not limited to, natural moisture contents & unit weights (ASTM D2216), liquid and plastic limits (ASTM D4318), grain-size analyses (ASTM D1140/D6913/D422), and organic content (ASTM D2974) (if necessary).
- Strength tests including unconsolidated-undrained triaxial compression tests (ASTM D2850) and unconfined compression tests (ASTMD2166).
    - At least 75% of cohesive samples will be tested for strength, index properties, and classification in accordance with LouisianaDOTD Geotechnical Guidelines.
    - Grain size testing will be conducted at a rate sufficient to classify soils.
- One-dimensional consolidation tests (ASTM D2435), if necessary.

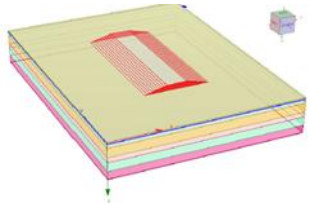
Laboratory Extrusion, Specimen Selection and Storage, Atterberg Limits, Consolidation, and Strength Testing

Geotechnical Engineering Analysis and Design

A wide range of engineering services means that we can respond professionally to DOTD's geotechnical engineering requirements. Using advanced exploration tools, field and laboratory testing and analytical/computer methods we identify, evaluate and resolve geotechnical design challenges.

Slope Stability: Fugro performs slope stability analyses using the computer program SLOPE/W developed by GeoStudio. Fugro has routinely performed these analyses for DOTD on embankments and MSE wall configurations including most recently the Kansas Lane-Garrett Road Connector, I-49 Ambassador Caffery Interchange and I-12 to Bush projects.





Embankment Settlement: Fugro performs embankment settlement computations with the assistance of the computer program Settle 3D developed by Rocscience. If analyses indicate unacceptable values of post-construction settlement, surcharge programs are developed to accelerate settlement prior to final construction. Fugro has performed surcharge evaluations on the Kansas Lane and I-12 to Bush projects.

Pile Foundations: Most bridge structures in south Louisiana are founded on pile foundations. Fugro utilizes the computer software APILE developed by Ensoft for pile capacity determination. LRFD factors are incorporated based on the amount of field verification and data acquired. Pile data tables are provided to design consultants for incorporation into the plans and load test programs are developed, as appropriate. Fugro has performed pile foundation calculations for most DOTD projects where engineering analyses are performed.

Drilled Shafts: In central and north Louisiana, drilled shafts are more common alternatives for bridge foundations. Fugro utilizes the computer software SHAFT developed by Ensoft for pile capacity determination.

Earth Retaining Structures/MSE Walls: Conventional earth pressure theory is used when developing recommendations for earth retaining structures, with additional guidance from DOTD Design Guidelines. Global stability and settlement are computed using methodologies previously discussed.

Geotechnical Construction Monitoring/Instrumentation

Fugro's geotechnical specialists provide consultancy and supervisory services to solve the complex problems that arise during construction activities. Our specialist services, such as geotechnical site management; quality monitoring of earthworks and bearing layers; supply, installation and operation of specialized geotechnical measurement technologies; and integrated monitoring systems support all construction processes.

Through construction monitoring we provide you with valuable feedback; by observing all activities the impact of unforeseen events is reduced, quality is assured, and associated costs and delays can be minimized. Professional installation and performance of instrumentation systems are complemented by our professional consultancy services.

Typical construction monitoring on DOTD projects for driven pile foundations is provided through static load tests and dynamic monitoring using the Pile Driving Analyzer. Fugro employs world experts on PDA interpretation ***(Paul Bullock)*** who are familiar with Louisiana soils and have established good correlations between dynamic and static response. We routinely use WEAP and CAPWAP for analysis of PDA data.

For drilled shafts, Fugro is the world leader and pioneer of bi-directional load testing using the Osterberg Cell. Fugro performs this testing worldwide and continues to innovate to develop tools to efficiently measure soil capacity to create improvements in design. DOTD has utilized the O-cell in numerous projects in Louisiana and has created risk reduction and design verification efficiently.

LOADTEST
O-Cell RIM-Cell SONICALIPER

Fugro has also experience in the installation of geotechnical instrumentation to monitor the long-term performance of geotechnical construction. We have installed vibrating wire piezometers, settlement plates, inclinometers, borros anchors to calibrate field performance to design calculations. Fugro installed horizontal inclinometers for DOTD under LA70 to monitor performance of the roadway adjacent to the Bayou Corne sinkhole in 2015.

19. Workload:

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

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

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Fugro USA Land, Inc.	**Geotech**	**4400017033/H.005121.5**	**LA1/LA415 Connector**	**$1,832,444**
Fugro USA Land, Inc.	**Geotech**	**4400019015/H.015015.5**	**Zeagler Cutoff Over Creek**	**$1,965**
Adaptive Management and Engineering, LLC	**Geotech**	**H.016093**	**Bayou Grand Cane Bridge Replacement**	**$130,000**
	Choose an item.			
	Choose an item.			
	Choose an item.			
	Choose an item.			

(Add rows as needed) DO NOT SUM

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

** Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: **ALL** FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

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

Fugro USA Land, Inc. Certificates

AASHTO Accreditation

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Fugro USA Land, Inc.

in

Baton Rouge, Louisiana, USA

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

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

Jim Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 07/25/2025 at 10:10 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Fugro USA Land, Inc. Certificates

AASHTO Accreditation

Scope of AASHTO Accreditation for:

Fugro USA Land, Inc.

in Baton Rouge, Louisiana, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	03/09/2009
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 (Soil)	Standard Specification for Agencies Engaged in the Testing and/or Inspection of Materials Used in Construction	12/31/2013

Page 1 of 2

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Fugro USA Land, Inc. Certificates

AASHTO Accreditation

Scope of AASHTO Accreditation for:

Fugro USA Land, Inc.

in Baton Rouge, Louisiana, USA

Soil

Standard:	Accredited Since:
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	03/09/2009
D422 Particle Size Analysis of Soils by Hydrometer	03/09/2009
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	03/09/2009
D854 Specific Gravity of Soils	01/18/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75-µm) Sieve	01/18/2012
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	03/09/2009
D2166 Unconfined Compressive Strength of Cohesive Soil	03/09/2009
D2216 Laboratory Determination of Moisture Content of Soils	03/09/2009
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/31/2013
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/31/2013
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/31/2013
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	03/09/2009
D2974 Determination of Organic Content in Soils by Loss on Ignition	01/18/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	03/09/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	03/09/2009
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	12/31/2013
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	12/31/2013
D4972 pH Testing of Soils	12/31/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/31/2013
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/06/2016

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Fugro USA Land, Inc. Certificates

Water Well License

Office of Conservation
Department of Energy and Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

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

hereby certifies that

FUGRO USA LAND , INC.

SHELDON COLLINS

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

This License is non-transferable and expires *June 30, 2026* unless
renewed, revoked or suspended by the licensing authority as prescribed by statue.

Signed and sealed this *10th* day of *June* , *2025*

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

License No. WWC- *# 291*

Adaptive Management and Engineering, LLC

AASHTO Certification

AASHTO ACCREDITED

CERTIFICATE OF ACCREDITATION

AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AASHTO

Adaptive Management and Engineering, LLC

in

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

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

Jim Tymon,
AASHTO Executive Director

Matt Linneman,
AASHTO COMP Chair

This certificate was generated on 08/01/2025 at 10:59 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory

Adaptive Management and Engineering, LLC

AASHTO Certification

SCOPE OF AASHTO ACCREDITATION FOR:

Adaptive Management and Engineering, LLC

in Baton Rouge, Louisiana, USA

Quality Management System

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

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Adaptive Management and Engineering, LLC

AASHTO Certification

Scope of AASHTO Accreditation for:

Adaptive Management and Engineering, LLC

in Baton Rouge, Louisiana, USA

Soil

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

Page 2 of 2

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Adaptive Management and Engineering, LLC

DBE Certificate

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

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 & 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 2025 to February 2026

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

Adaptive Management and Engineering, LLC

Traffic Control and Flagger

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Venu Tammineni

has attended

Louisiana Traffic Control Technician

Training Course

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

Vice President of Education and Technical Services

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Fugro USA Land, Inc. Licenses

Louisiana Secretary of State

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
FUGRO USA LAND, INC.	Business Corporation (Non-Louisiana)	HOUSTON	Active

Adaptive Management and Engineering, LLC Licenses

Louisiana Secretary of State

Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
ADAPTIVE MANAGEMENT AND ENGINEERING, LLC	Limited Liability Company	BATON ROUGE	Active

21. <u>QA/QC Plan:</u>

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

22. Sub-consultant information:

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

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	**Address**	**Point of Contact and email address**	**Phone Number**
Adaptive Management and Engineering, LLC	**9131 Amber Dr. Baton Rouge, LA 70809**	**Venu Tammineni, P.E. venut@amesouth.com**	**(225) 424-7869**

23. Location:

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