

Statement of Qualifications

IDIQ Contracts for Geotechnical Services Statewide

Contract No.:

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

June 28, 2022

Louisiana DOTD

Michael Gorbaty, Contract Administrator
1201 Capitol Access Road
Baton Rouge, Louisiana 70802

Respondent

Fugro USA Land, Inc.
4233 Rhoda Drive
Baton Rouge, Louisiana, 70816
Mr. Jack Koban, PhD, PE



FUGRO USA LAND, INC.

4233 Rhoda Drive
Baton Rouge, Louisiana 70816
United States of America

June 28, 2022

Michael Gorbaty (Michael.Gorbaty@la.gov)

**Consultant Contract Services Administrator,
Louisiana Department of Transportation and Development**

1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802
USA

Dear Mr. Gorbaty:

Fugro USA Land, Inc. is pleased to submit our Statement of Qualifications for IDIQ Contracts for Professional Geotechnical Services Statewide to the Louisiana Department of Transportation and Development (DOTD). This letter is being written to confirm that we are qualified and dedicated to comply with the terms specified in response to the Request for Qualifications, dated April 21, 2022. The Fugro Team is excited and fully prepared to continue our support of DOTD by providing:

- Geotechnical Explorations (GE)
 - Drilling, Sampling and Corresponding Laboratory Testing
- Geotechnical Design (GD)
 - Soil Profile, Graphical Logs
 - Engineering Analyses and Recommendations
 - Subsurface Exploration and Engineering Report
- Geotechnical Construction Support (GC)
 - QA/QC of materials and construction activities
- Topographic Survey (LC)
- Contract Management (CM)
- Maintain continuous, open communications with designated DOTD staff on all geotechnical issues through monthly or otherwise requested reporting intervals; and
- Attendance at required meetings with DOTD throughout the duration of the contract for the purpose of review of reports and quality of work, Identification and resolution of any problems requiring DOTD input or attention, coordination of efforts in the interest of effectiveness and efficiency of services rendered, preservation of the relationship between DOTD and Fugro, and the maintenance of a mutual understanding of the contract policies and procedures.



Our team of geotechnical engineers and professionals have the recent, local project experience and resources to provide the quality services and results that we demand of ourselves and the DOTD expects.

With this letter, we confirm the following:

- Fugro is licensed by the State of Louisiana to perform engineering work;
- Principal engineer is a Professional Civil Engineer, currently licensed in the State of Louisiana for with at least ten (10) years' experience in Civil/Geotechnical Engineering;
- Supporting staff includes at least two (2) Professional Engineers employed full-time by Fugro and currently licensed in the State of Louisiana with at least five (5) years' experience in Geotechnical Engineering;
- At least one (1) Laboratory Manager with a minimum of five (5) years' experience in Geotechnical Laboratory Testing, and overseen by a licensed Professional Engineer
 - Laboratory maintains accreditations with AASHTO Resource (formerly AMRL), and is validated by LDEQ and USACE;
- At least one (1) Field Crew Driller/Supervisor with a minimum of ten (10) years' experience, and five (5) years demonstrated within the State of Louisiana;
- At least one (1) Professional Land Surveyor currently registered in the State of Louisiana with at least three (3) years' experience in conducting topographic surveys, property surveys, and preparing right-of-way maps.

Included with this submission are the key staff resumes, qualifications, and other supporting documentation demonstrating Fugro's ability to successfully deliver quality data and deliverables for potential projects associated with this contract. We strongly desire the opportunity to participate in this important endeavor and seek to be the preferred geotechnical engineering partner of the Louisiana Department of Transportation and Development. We appreciate your time and consideration and look forward to working with you in the near future.

Sincerely,
FUGRO USA LAND, INC.

A handwritten signature in blue ink, appearing to read 'Eric Marx'.

Eric Marx, P.E.

Vice President, Louisiana General Manager

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

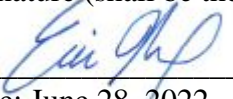
(Revised March 1, 2022)

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

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

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

1. Contract title as shown in the advertisement	IDIQ CONTRACTS FOR GEOTECHNICAL SERVICES STATEWIDE
2. Contract number(s) as shown in the advertisement	4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656 AND 4400024657
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	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 R. Marx, PE, Vice President 225.292.5084, emarx@fugro.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Eric R. Marx, PE, Vice President 225.292.5084, emarx@fugro.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has	

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

12. Past Performance Evaluation Discipline Table:

Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. (Add rows and columns as needed)							
Evaluation Discipline(s)	% of Overall Contract	Prime	Traffic Control Products	Firm C	Firm D	Firm E	Each Discipline must total to 100%
Geotech	98%	100%	0%	N/A	N/A	N/A	100%
Other (Traffic Control)	2%	0%	100%	N/A	N/A	N/A	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.							
Percent of contract	100%	98%	2%				-----

*The past performance evaluation disciplines are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other

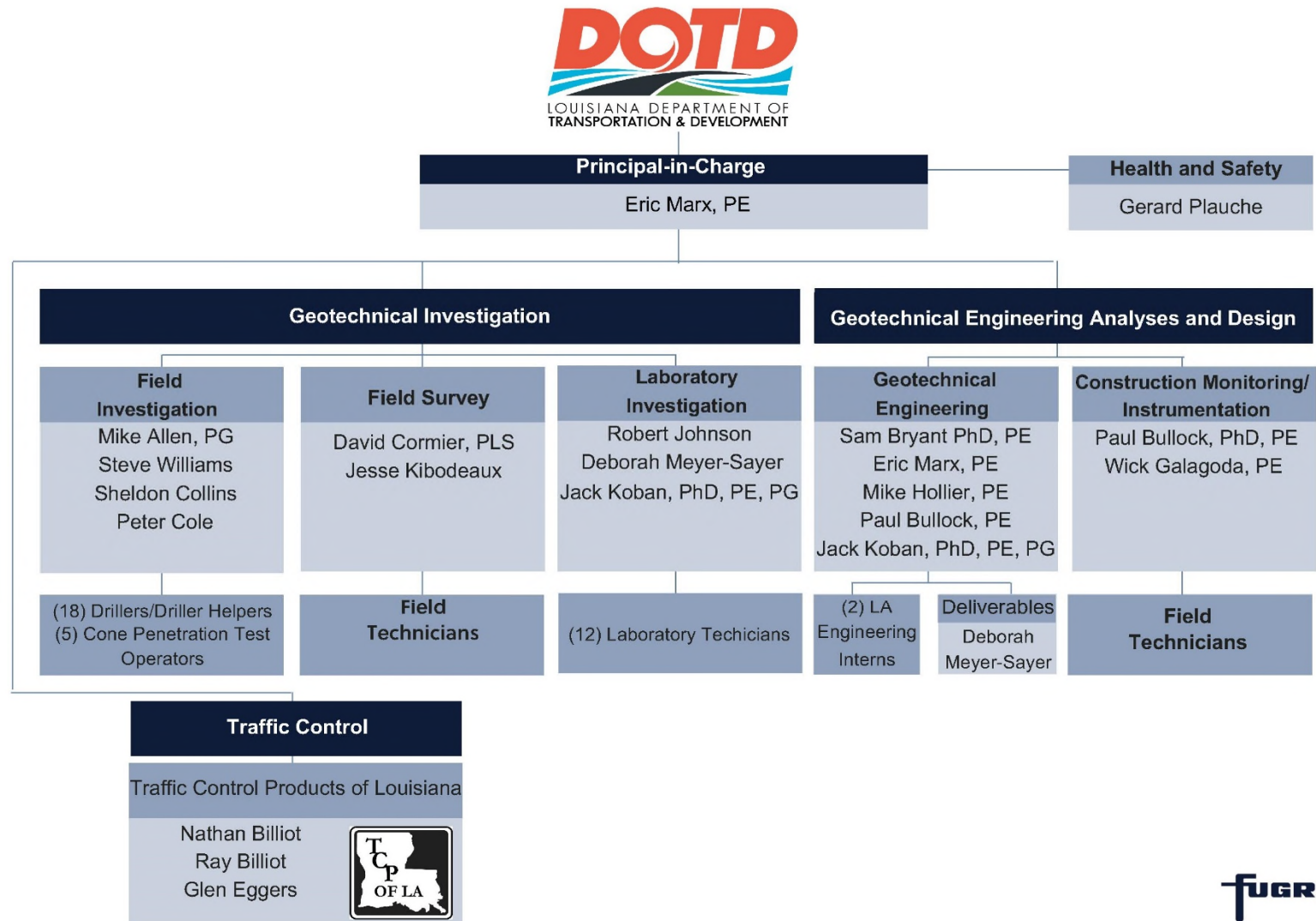
13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Fugro USA Land, Inc.	Principal	1	1
Fugro USA Land, Inc.	Supervisor-Engineer	2	5
Fugro USA Land, Inc.	Engineer Intern	2	2
Fugro USA Land, Inc.	Geologist	1	2
Fugro USA Land, Inc.	CADD-Operator	1	2
Fugro USA Land, Inc.	Driller	1	3
Fugro USA Land, Inc.	Technician	4	8
Fugro USA Land, Inc.	Administrative	1	2
Fugro USA Land, Inc.	Clerical	1	2
Fugro USA Land, Inc.	Party Chief	1	3
Fugro USA Land, Inc.	Surveyor	1	2
Traffic Control Products of Louisiana	Principal	1	1
Traffic Control Products of Louisiana	Supervisor (Traffic Control)	5	25
Traffic Control Products of Louisiana	Technician (Traffic Control)	5	25
Traffic Control Products of Louisiana	Laborer (Flagger)	5	25

(Add rows as needed)

14. Organizational Chart:

Organizational Chart of Key Personnel



15. Minimum Personnel Requirements:

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1, 2, 3	Eric Marx, PE	Fugro USA Land, Inc.	Professional Engineer, No. 31479 22 years' experience	LA	3/31/2023
4	Robert Johnson	Fugro USA Land, Inc.	11 years' experience	-	-
5	Mike Allen, PG	Fugro USA Land, Inc.	Professional Geoscientist, No. 165, 34 years' experience	LA	10/14/2022;



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 should be 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	21
Title	Vice President, Louisiana General Manager		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 / March 31, 2023	
Year registered	2004	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Geotechnical Principal-in-Charge, MPR No. 1, 2 and 3. Mr. Marx will provide engineering review and oversight 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 time 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 engineer and engineer-of-record on some of Louisiana’s high-profile transportation projects over the last 20 years, including the I-10 Twin Span Replacement Project, John J. Audubon Bridge, and numerous task orders, as part of previous retainer contracts. Eric’s role has involved managing and executing task orders, developing and overseeing field programs, achieving and maintaining laboratory certifications and performing and reviewing geotechnical engineering analyses. Many of the projects have required access in difficult site conditions and required advanced engineering evaluation.			
01/10 – 03/17 08/20 - Current	LADOTD Statewide Geotechnical Retainer Contract, Louisiana. Mr. Marx 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. Mr. Marx was Principal-in-Charge, negotiated and oversaw completion of task orders, and worked with DOTD to ensure client satisfaction on deliverables.			
04/04 – 04/19	Bridge Scour Analysis, Statewide Louisiana. Mr. Marx served as project engineer, project manager and is currently principal-in-charge for the project. 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, Mr. Marx 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.
09/17 – 04/21	Kansas Lane, Garrett Road Connector. Mr. Marx was Principal-In-Charge for Fugro and 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. Mr. Marx 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.
04/13 – current	Ambassador Caffery Interchange. Mr. Marx was Principal-In-Charge for Fugro and provided contract oversight for the project. Work included conducting geotechnical field investigations and geotechnical analyses for the roadway project. Mr. Marx 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.
03/15-08/19	Livingston Parish Road Improvement Program, Livingston Parish, LA Mr. Marx Served as 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 Mr. Marx oversaw the field operations and engineering analyses.
04/05-02/08	Twin Spans Replacement Project, Orleans and St. Tammany Parishes, Louisiana. Mr. Marx was a Project Engineer on the project to replace the Twin Spans bridge damaged during Hurricane Katrina. Mr. Marx 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. Mr. Marx helped develop the pile load testing program and performed axial and lateral pile capacity calculations using LRFD methodology.
Value Added to The Statewide Geotechnical IDIQ: As Principal-in-Charge for numerous DOTD projects completed by Fugro, Mr. Marx provides geotechnical expertise and first-hand experience in executing projects to DOTD's exacting geotechnical specifications.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.		
Name	Sam Bryant, PhD, PE		Years of relevant experience with this employer	37
Title	Senior Geotechnical Consultant		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			PhD / 1983 / Civil Engineering MS / 1979 / Civil Engineering BS / 1978 / Civil Engineering	
Active registration number / state / expiration date			40695 / LA / 9-30-2022	
Year registered	2016	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Senior Consultant, MPR No. 4. Dr. Bryant will guide engineering analyses and perform technical review on project 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 time specified in the applicable MPR(s).			
01/83 – current	Dr. Bryant joined Fugro in 1983 as a manager in geotechnical engineering. He has significant experience supervising all phases of geotechnical investigations including field exploratory programs, laboratory, engineering analyses and instrumentation. Since 2013, Dr. Bryant’s work has been focused on Louisiana infrastructure projects. He has performed advanced modeling for pile capacity, drilled shaft capacity, embankment stability and settlement, earth retaining structures, pavements, seepage, and soil structure interaction. Dr. Bryant is currently serving as the lead geotechnical engineer on an oversight team for CPRA to review geotechnical analyses on two large river diversion projects. (Mid-Breton and Mid Barataria Sediment Diversion projects.			
09/13 - 03/17 08/20 - Current	LADOTD Statewide Geotechnical Retainer Contract, Louisiana. Dr. Bryant served as Senior Consultant 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. Fugro was also retained to install geotechnical instrumentation. He provided technical guidance on select task orders.			
07/18 - Current	Ambassador Caffery Interchange H.002868 - Dr. Bryant served as Geotechnical Engineer-of-Record 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, LA			
09/17 - Current	Kansas Lane, Garrett Road Connector and I-20 Improvements, Ouachita Parish, Louisiana. Dr. Bryant served as Geotechnical Engineer-of-Record for the project. The project consisted of widening existing roadway with new approach embankments and bridge structures. During the project, he performed deep foundation calculations including axial capacity, lateral capacity and settlement;			

	performed pile length calculations for each bent along the structure; and performed settlement and stability calculations for new embankments up to 20-ft in height. Global stability and settlement were also performed on MSE walls.
09/14 - current	Bridge Scour Analysis, Statewide Louisiana. Dr. Bryant was a Senior Consultant for the project. 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. Dr. Bryant has assessed complex bridge structures, specifically large river crossings and performed engineering analyses including deep foundation evaluations for varying scour events and development of soil parameters.
02/17 – 09/17	<p>I-12 to Bush: LA 3241, I-12/LA 434 Interchange to LA 36, St. Tammany Parishes, Louisiana. Dr. Bryant served as Geotechnical Engineer-of-Record for the project. The project consisted of widening 2.2 miles of existing roadway and designing 6.1-miles of new roadway with several new bridges and culvert crossings.</p> <p>During the project, he performed the following tasks:</p> <ul style="list-style-type: none"> • supervised the geotechnical data collection for the project including deep soil borings for structures and shallow soil borings for pavement • performed deep foundation calculations including axial capacity, lateral capacity and settlement • performed pile length calculations for each bent along the structure <p>performed settlement and stability calculations for new embankments up to 20-ft in height</p>
<p>Value Added to The Statewide Geotechnical IDIQ: Over the course of Dr. Bryant’s career with Fugro, he has had abundant experience in the design of projects built in the challenging geologic environments of southern Louisiana and DOTD has repeatedly relied upon his expertise.</p>	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.		
Name	Paul Bullock, PhD, PE		Years of relevant experience with this employer	7
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 / 9-30-2022 (plus 20 other states)	
Year registered	2008	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Senior Consultant, MPR No. 4. Paul will provide technical oversight for task orders with deep foundation design, integrity testing, dynamic testing, and static testing.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/81 - current	Dr. 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. Dr. Bullock joined Fugro in 2011, mentoring staff on deep foundations for projects large and small. 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. Sample projects are included below:			
12/21-05/22	Plaquemines LNG, Plaquemines Parish, LA. Principal Engineer, PDA tests and setup capacity evaluation for driven pipe piles.			

03/19-03/20	Calcasieu LNG, Cameron Parish, LA. Principal Engineer, PDA tests and setup capacity evaluation for driven pipe piles.
1/19-12/20	Gordie Howe International Bridge, Windsor, ON and Detroit, MI. Chief Engineer, analyze/review/report CSL and TIP tests for 52 test and production drilled shafts, up to 10-ft in diameter.
05/15-07/17	Cameron LNG Liquefaction, Hackberry, LA. Senior Engineer, performing PDA and static tests for DeWaal Piles.
04/10-02/15	Permanent Canals & Closures Pumps Project, Orleans Parish, LA. Princ. Engineer, PDA, setup, static tests for steel/concrete piles.
04/14-07/14	Methanex G2 Plant, Geismar, LA. Principal Engineer, providing static/dynamic tests and drive criteria for prestressed concrete piles.
03/11-07/12	Baton Rouge SWWTP, East Baton Rouge Parish, LA. Principal Engineer, PDA and PIT for 14-inch DeWaal piles.
06/10-08/11	I-12 O'Neal Lane Overpass, East Baton Rouge Parish, LA. Branch Manager, drilled shaft design, H-piles, PDA/CSL, post grout.
08/10-10/11	I-10 KCS Bridge, East Baton Rouge Parish, LA. Branch Manager, drilled shaft/pile design, PDA/static/O-Cell/PIT/CSL tests.
03/10-05/10	IHNC Seabrook Gate, Orleans Parish, LA. Branch Manager, PDA and static tests, 30-in steel pipe piles.
Value Added to The Statewide Geotechnical IDIQ: Dr. Bullock provides the team with immense value in deep foundations experience and expertise. Engineers and DOTs around the country have referenced his over 20 publications on deep foundation testing and design.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.		
Name	Mike Hollier, PE		Years of relevant experience with this employer	18
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 / 3/31/2024	
Year registered	2009	Discipline	Civil	
Contract role(s) / brief description of responsibilities			Task Order Manager, MPR No. 4. Mr. Hollier 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 time specified in the applicable MPR(s).			
2003- current	Mr. Hollier serves as location manager for the Lake Charles office of 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 17 years of experience, Mr. Hollier 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. Mike 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. Mr. Hollier served as 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 Mr. Hollier includes 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 - 07/21	LADOTD, I-49 South: Ambassador Caffery and U.S. 90 Interchange, Duplantis Design Group, Lafayette Parish, Louisiana. Location Manager/Geotechnical Engineer of Record. 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. Mr. Hollier provided technical review and oversight for the project.
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. Mr. Hollier 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. Mr. Hollier 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 a new bridges supported on precast concrete pile foundations or box culverts. Mr. Hollier provided technical review and oversight for these projects.
Value Added to The Statewide Geotechnical IDIQ: Mr. Hollier provides the team with a wealth of local knowledge and geotechnical expertise in SWLA. For Task Order No. H.003931, managed by Mr. Hollier, positive remarks were received per LADOTD Technical Evaluation ID 4717 regarding the quality of deliverables, management and communication, and schedule.	

(Add rows as needed)

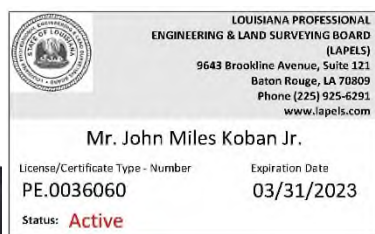


16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Peter Cole	Years of relevant experience with this employer	8
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		OSHA 40-hour HAZWOPER Emergency Response Certification, OSHA 40-hour HAZWOPER Supervisor	
Year registered	2006, 2008	Discipline	
Contract role(s) / brief description of responsibilities		Task Order Manager. Mr. Cole will manage and execute Geotechnical project phases including; proposal preparation, project initiation and coordination.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
12/13-Present	Mr. Cole currently services 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. Additionally, Mr. Cole serves as project manager for various geotechnical projects including infrastructure, buildings, and industrial developments		
05/15 – 03/17 08/20 – Ongoing	LADOTD Statewide Geotechnical Retainer Contract, Louisiana. Mr. 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. Fugro was also retained to install geotechnical instrumentation.		
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. Mr. Cole served as Project Manager for this project		

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. Mr. Cole provided Project Management services for this 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. Mr. Cole served as Project Manager to for this project
03/22-Present	Colewa-Deleamar Bayou Bridges Replacement (H.012032) This project consists of 6 boings between two separate bridge structures in northern Louisiana. Mr Cole is currently serving as Project Manager for this task order.
Value Added to The Statewide Geotechnical IDIQ: Mr. Cole provides the team with extensive environmental experience and an understanding of managing contracts with DOTD.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.		
Name	John M. “Jack” Koban, Jr., PhD, PE, PG		Years of relevant experience with this employer	7
Title	Project Manager/Business Development		Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization			PhD / 2017 / Earth Sciences MS / 2008 / Earth Sciences BS / 2003 / Geological Engineering	
Active registration number / state / expiration date			36060 / LA / March 31, 2021; 1045 / LA / May 10, 2020	
Year registered	2010; 2016	Discipline	Environmental; Geoscientist	
Contract role(s) / brief description of responsibilities			Task Order Manager, MPR No. 4. Dr. Koban will be responsible for the project management and engineering analysis as described in the advertisement and subsequent 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 time specified in the applicable MPR(s).			
05/15 – current	Dr. Koban joined Fugro as the Laboratory Manager with over 5 years of experience in environmental consulting and corrective action, over 4 years of experience in geotechnical engineering, and 6 years in environmental research. In addition to directing and overseeing laboratory operations for numerous DOTD projects over the past 6 years with Fugro, Dr. Koban has served to develop and strengthen relationships within the state by providing advocacy and engagement at the federal government and private level. As a board member of ASCE, he has helped to promote DOTD projects in the Engineering Community and served as a co-author for the 2017 Louisiana Infrastructure Report Card published by ASCE.			
05/15 - 03/17 08/20 – Ongoing	LADOTD Statewide Geotechnical Retainer Contract, Louisiana. Dr. Koban served as laboratory 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. As lab manager, Dr. Koban was responsible for assigning laboratory tests, running advanced testing procedures, and training and technical oversight of a team of laboratory technicians. Additionally, he reviewed results and developed boring logs for reporting. testing assignments, reviewed results and developed boring logs from various task orders under this contract.			

06/21-11/21	Interstate 10 Calcasieu River Bridge (Task Order No. H.003931). Business Development Manager. Dr. Koban served as a point of contact between Fugro and DOTD while also assisting in field coordination and data review for this marquee project which will help provide SWLA with a much-needed enhancement to one of its most critical pieces of infrastructure.
03/18 - 7/18	Kansas Lane, Garrett Road Connector and I-20 Improvements, Ouachita Parish, Louisiana. (H.004774.5 and H.007300.6). Dr. Koban served as laboratory manager for this project which included management of samples, test assignments, advanced testing, and engineering review of test results. Dr. Koban's background in both Engineering and Geology provided expertise in both the qualitative assessment of soils for visual classification and the more quantitative aspects in the laboratory allowing for detailed and accurate classifications needed for engineering analysis.
05/18 - 10/18	LA 44 to US 61, Germany Road Roadway Improvements (H.013793). Dr. Koban served as laboratory manager for this project which included management of samples, test assignments and engineering review of testing results. Dr. Koban's understanding of the geology of Louisiana and experience with DOTD projects acquired through the previous retainer projects allowed for effective and reliable engineering services in the geotechnical laboratory.
08/18 - 12/18	Proposed LNG Pre-FEED Geotechnical Study, Lafourche Parish. Dr. Koban served as the project manager and project engineer for the pre-FEED geotechnical investigation and study associated with a proposed LNG facility in south Lafourche Parish, Louisiana. Duties included preliminary site visit, field and lab coordination, pile capacity and settlement analysis in support of the project. The project's next phases are currently in early stages of planning. Dr. Koban's educational and professional experience in engineering geology particularly in coastal/nearshore environments was an asset for the pre-FEED study of this proposed major installation and associated infrastructure. The project offered tremendous experience in executing projects in the types of difficult environments and challenging soil conditions that many DOTD projects face in southern Louisiana.
Value Added to The Statewide Geotechnical IDIQ: Dr. Koban brings his experience as Lab Manager and Geotechnical Engineer for numerous Geotechnical task orders performed for DOTD over the course of his 7 years with Fugro. He provides value to the team through an understanding of DOTD's geotechnical design and data collection guidelines	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Robert Johnson	Years of relevant experience with this employer	3.5
Title	Laboratory Manager	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		High School Diploma	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Laboratory Manager, MPR No. 5. Mr. Johnson will perform advanced testing, oversees 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>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
2010 – current	<p>Robert Johnson has spent the last 10 years of his career dedicated to the management and performance of geotechnical laboratory functions in Louisiana. Starting in 2010, Robert started 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. Robert joined the Fugro Baton Rouge laboratory in 2018 as 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.</p> <p>Some of Robert’s specific DOTD experience includes soil testing for the Statewide Bridge Scour program and Kansas Lane project. Laboratory tests that Robert is proficient with include:</p>		

	<ul style="list-style-type: none"> pH of soils Unconfined Compression Organic Content Unconsolidated-Undrained Triaxial Compression Hydrometer Analysis Atterberg Limits Atterberg Limits <ul style="list-style-type: none"> Sieve Analysis Permeability Moisture Density Relationship (Proctor) Specific Gravity One Dimensional Consolidation Tests Cement and Lime-Treated Bench Scale Testing
06/21-11/21	Interstate 10 Calcasieu River Bridge (Task Order No. H.003931). Lab Manager. For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Mr. Johnson 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) This project consisted of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish. Mr. Johnson served as Laboratory Manager for this 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. Mr. Johnson served as Laboratory Manager for this project
03/22-Present	Colewa-Deleamar Bayou Bridges Replacement (H.012032) This project consists of 6 boings between two separate bridge structures in northern Louisiana. Mr. Johnson is currently serving as Laboratory Manager for this project
03/19-08/20	Calcasieu Pass LNG (CPLNG) – Kiewit, Cameron, Louisiana. Lab manager/representative. Venture Global (Kiewit) recently constructed an LNG export facility in Cameron, LA. Mr. Johnson has served an integral role in the planning, and initiation of the early soils scope related to the site stabilization and construction materials testing for the project. Part of his duties was to oversee sampling, testing, and providing daily data reporting and correspondence to project EPC, Kiewit.
Value Added to The Statewide Geotechnical IDIQ: Mr. Johnson provides the contract team with over a decade of laboratory experience and a familiarity with DOTD testing guidelines.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Mike Allen, PG	Years of relevant experience with this employer	19
Title	Geoscientist	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BS / 1986 / Geology OSHA 40-hour HAZWOPER Supervisor	
Active registration number / state / expiration date		165 / LA / 2022	
Year registered	2003	Discipline	Geoscientist
Contract role(s) / brief description of responsibilities		Field Crew Supervisor, MPR No. 6. Mr. Allen will supervise drilling operations for task orders and provide technical oversight of 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>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
2003 – Current	<p>Mike Allen has overseen the geotechnical field operations for high profile Fugro projects in Louisiana since 2003. He brings over 32 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.</p> <p>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</p>		
06/21-11/21	Interstate 10 Calcasieu River Bridge (Task Order No. H.003931). Field Manager. For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements. Mr. Allen provided field oversight and logging services in order to complete this project ahead of schedule and on budget.		
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
06/08 – 06/12 05/12 - 03/17 08/20 – Ongoing	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.
Value Added to The Statewide Geotechnical IDIQ: Mr. Allen’s decades of experience and extensive knowledge of geology in Louisiana provides the team with expertise to deliver excellence to DOTD.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.		
Name	David Cormier, PLS		Years of relevant experience with this employer	6
Title	Operations Manager		Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization			AS / 1984 / Civil Engineering Technology	
Active registration number / state / expiration date			PLS.00004715, State of Louisiana, Expires 09/30/2022	
Year registered	1994	Discipline	Professional Land Surveyor	
Contract role(s) / brief description of responsibilities			Professional Land Surveyor, MPR No. 7. Mr. Cormier will be responsible for managing tasks that include positioning and survey requirements. He will lead any tasks related to boundary surveys, topographic surveys and right-of-way determination.	
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
1985 – current		Mr. Cormier joined Fugro as a land surveyor in 2015 and has over 38 years professional land survey experience in Louisiana. Recent projects where he managed services related to the scope of services in the Advertisement are included below.		
05/16 – 03/17 08/20 – Ongoing		LADOTD Statewide Geotechnical Retainer Contract, Louisiana. Mr. Cormier has served as Professional Land Surveyor for this program which included performing over 20 task orders for bridge structures across Louisiana with a total program cost of over \$7M.		
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. Mr. Cormier has served as Professional Land Surveyor.		
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. Mr. Cormier has served as Professional Land Surveyor.		

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. Mr. Cormier has served as Professional Land Surveyor
03/22-Present	Colewa-Deleamar Bayou Bridges Replacement (H.012032) This project consists of 6 boings between two separate bridge structures in northern Louisiana. Mr. Cormier has served as Professional Land Surveyor.
Value Added to The Statewide Geotechnical IDIQ: Mr. Cormier provides value to the team through his decades of experience as a Professional Land Surveyor in Louisiana which allows him to plan and execute projects efficiently and effectively.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Jesse Kibodeaux, CST-1	Years of relevant experience with this employer	6
Title	Survey Party Chief/Project Manager	Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization		Associate of Applied Technology / Civil, Surveying & Mapping Technology / 2003	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Land Survey Services Project Manager Mr. Kibodeaux will be responsible for managing tasks that include positioning and survey requirements. He will lead any tasks related to boundary surveys, topographic surveys and right-of-way determination.	
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).	
1985 – current		Mr. Kibodeaux joined Fugro in 2003 as a Survey Technician. In March of 2008, Mr. Kibodeaux came to work for Fugro as an Survey Party Chief. He works in the field to ensure all surveys are in compliance and up to date with industry standards. He is responsible for survey oversight, coordination, schedule, budget, and QA/QC of deliverables. For the past few years he has performed conventional land and hydrographic surveys that include the use of GPS/RTK, acoustic side scan sonar, multi beam, single beam, magnetometer and sub-bottom profilers. He has performed exploration and production hazard surveys, unitization surveys, and government surveys. He has performed regulatory compliance and ecological services and U.S. DOT 5-year Waterway Compliance Inspections. Mr. Kibodeaux is especially adept at troubleshooting computer hardware and mechanical issues. From 2010 to 2011, Mr. Kibodeaux served as Acoustic Imaging Party Chief on a project for BP in response to the Deepwater Horizon BP Oil Spill. He supervised the collection of side scan sonar imagery of water bottoms to identify oyster reefs. He supervised hazard surveys to locate existing pipelines to identify routes for support vessels to enter and anchor the project site as needed to begin the oil spill clean-up work. Mr. Kibodeaux’s survey crew also performed hydrographic surveys during various phases of the emergency sand berm construction project the value of which was over \$5.5 million.	

05/16 – 03/17 08/20 – Ongoing	LADOTD Statewide Geotechnical Retainer Contract, Louisiana. Mr. Kibodeaux has served as Survey 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.
03/17-5/17	Bayou Dupont Marsh Creation (BA-0048) 2017 Monitoring Survey The purpose of this project was to collect survey data from the marsh creation area to assess the overall performance of the restoration. Survey data were collected using RTK surveying techniques. Jesse served as Survey Supervisor throughout the duration of this project, where he oversaw the data collection and processing efforts. Cost: ~\$50k.
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. Mr. Kibodeaux served as Survey Project Manager.
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. Mr. Kibodeaux served as Survey Project Manager
03/22-Present	Colewa-Delemar Bayou Bridges Replacement (H.012032) This project consists of 6 boings between two separate bridge structures in northern Louisiana. Mr. Cormier has served as Survey Project Manager.
Value Added to The Statewide Geotechnical IDIQ: Mr. Cormier provides value to the team through his decades of experience as a Professional Land Surveyor in Louisiana which allows him to plan and execute projects efficiently and effectively.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Wick Galagoda, PE	Years of relevant experience with this employer	10
Title	Project Manager - Deep Foundations	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		BS / 1978 / Civil Engineering	
Active registration number / state / expiration date		107314 / TX / 09/30/2022	
Year registered	2010	Discipline	Civil
Contract role(s) / brief description of responsibilities		Senior Engineer. Mr. Galagoda will provide technical oversight and coordinate technology to optimize project foundations	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
1978 – current	Mr. Galagoda joined Fugro in 2010 and has 12 years engineering experience. His responsibilities include the overall management of geotechnical and geotechnical construction (deep foundations) projects, which include: client interaction to determine the scope of geotechnical investigation, preparing proposals, visiting sites to evaluate surface conditions and access, arranging drilling and other applicable field services, supervising field activities, reviewing field logs and assigning laboratory tests. Mr. Galagoda oversees the preparation of final boring logs in gINT software to incorporate both field and laboratory classification and analyzes field and laboratory data. His duties regarding deep foundations extend to planning and executing field tests programs, interpreting test results, aiding pile startup and reporting, and developing practical solutions to pile installation problems. He is also a member of ASCE.		
05/19 - 08/19	Bayer Material Science Chemical Plant, SUSSE IIB & III, LC Building & Ancillary Facilities, Baytown, Texas. Geotechnical <i>Project Manager.</i> Mr. Galagoda served as project manager coordinating, overseeing, and developing final testing reports for deep foundation optimization services.		
04/19 - 05/19	Mayer Material Science Chemical Plant, New Caustic Tank Foundation Recommendation and Settlement Analysis, Baytown, Texas. <i>Project Manager.</i> Mr. Galagoda served as project manager coordinating, overseeing, and developing final testing reports for deep foundation optimization services.		

03/19 - 4/19	Harris County Improvement District No. 15, Jacintoport Wharf and Rail Terminal, Harris County, Texas. <i>Project Manager.</i> Mr. Galagoda served as project manager coordinating, overseeing, and developing final testing reports for deep foundation optimization services
08/18 – 10/18	Expand and Modification to the Houston Avenue Bridge over Buffalo Bayou and Allen Parkway, Houston, Texas. <i>Project Manager.</i> Mr. Galagoda served as project manager coordinating, overseeing, and developing final testing reports for deep foundation optimization services.
Value Added to The Statewide Geotechnical IDIQ: Mr. Galagoda provides a wealth of experience on deep foundations design and testing methods in the optimization of foundations for critical infrastructure.	

(Add rows as needed)

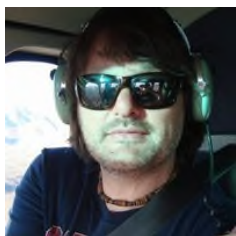


16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Deborah Meyer-Sayer	Years of relevant experience with this employer	14
Title	CADD Technician	Years of relevant experience with other employer(s)	31
Degree(s) / Years / Specialization			
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		<i>Deliverables.</i> Ms. Meyer-Sayer will be responsible for plotting laboratory results on projects and site drawings as well as data management for all projects	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
2008 – current	Ms. Deborah Meyer-Sayer joined Fugro in 2008 and has over 30 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. Debbie is leading the implementation of GIS tools for geotechnical applications in Louisiana. Debbie 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. Ms. Meyer-Sayer 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 pro-gram 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. Ms. Meyer-Sayer 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 - Current	Ambassador Caffery Interchange H.002868 – Ms. Meyer-Sayer serves 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, LA		

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. Ms. Meyer-Sayer 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 (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. Ms. Meyer-Sayer 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. Ms. Meyer-Sayer 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). Ms. Meyer-Sayer 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). Ms. Meyer-Sayer served as CADD Technician and Data Manager for this project which included management of test results and generation of logs and other report plates.
Value Added to The Statewide Geotechnical IDIQ: Ms. Meyer-Sayer has over three decades of experience in CADD and Data Management. Additionally, she has worked extensively with DOTD allowing her to provide the utmost quality deliverables.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Steve Williams	Years of relevant experience with this employer	34
Title	Exploration Service Line Director, Americas	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		A-Level – Geology, Helston Community College O-Levels in English, Physics, Geography and Biology, Mullion Comprehensive School CSE's in History, Mathematics, French, Spanish and English Literature, Mullion Comprehensive School	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Drilling Supervisor/Manager. Mr. Williams will perform oversight for geotechnical investigations.	
Experience dates (mm/yy–mm/yy)		Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).	
1986 – current		Mr. Williams has considerable operational and managerial experience in offshore, nearshore (coastal) and onshore geotechnical ground investigations, surveys and exploration drilling gained over a 33-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.	
03/21-10/21		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. Mr. Williams directed exploration activities.	
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. Mr. Williams 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. Mr. Williams 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. Project Fee - \$1.1M
05/2019 – 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, Project Fee - \$23M.
05/2019 – 09/19	Sabine Neches Channel Widening and Deepening, Sabine Neches Waterway. Project Manager. Seabed hazard survey, 123 geotechnical borings, laboratory testing and reporting. Project Fee - \$4M.
Value Added to The Statewide Geotechnical IDIQ: Mr. Williams brings with him decades of experience providing exploration services in some of the world's most challenging environments. This experience will allow for efficient and effective execution of task orders awarded through this contract.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Sheldon Collins	Years of relevant experience with this employer	31
Title	Service Line Manager - CPT	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			
Active registration number / state / expiration date		Licensed Driller: TX, OK, MI, LA	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		CPT Supervisor. Mr. 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>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time 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 30 years.		
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. Mr. Collins 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 air-boat 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-10 Twin 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 night time operations to safely capture the data.
Value Added to The Statewide Geotechnical IDIQ: Mr. Collins brings to the team decades of experience in coordinating and executing CPT scopes in a variety of challenging environments and has extensive knowledge of the gulf coast.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Viet Le	Years of relevant experience with this employer	4
Title	Project Professional	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2015 / Civil Engineering	
Active registration number / state / expiration date		EI 43721 / Louisiana / January 30, 2020	
Year registered	2020	Discipline	Civil
Contract role(s) / brief description of responsibilities		Mr. Le joined the Fugro team in June 2018 as a part-time Staff Engineer for the Kenner, Louisiana facility, was promoted to full-time Staff Engineer in 2019 for the Baton Rouge, Louisiana facility. For this contract, he will provide 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>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).	
05/18–Present		Since joining Fugro in 2018, Mr. 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 renewable energy, coastal resilience, and infrastructure.	
03/21–10/21		LA Highway 16 Bridges (Isabel to Sun) St. Tammany Parish, LA (H.013984) Project Professional. This project consisted of 10 borings and 10 CPT soundings covering 5 separated bridge structures along LA Hwy 16 in St. Tammany Parish. Mr. Le developed the laboratory testing plan, 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. Mr. Le provided laboratory testing programs for select 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. Mr. Le 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, LA. Staff Professional. Entergy Services, Inc. planned for the design and construction of a new substation in Chackbay, Louisiana. Mr. Le 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, LA. 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. Mr. Le 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, LA. Staff Professional. Praxair plans for the improvements to an existing pipe bridge at the Praxair facility in Geismar, Louisiana. Mr. Le 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.
Value Added to The Statewide Geotechnical IDIQ: Mr. Le provides the team with significant experience in project coordination, scope development, field execution, and engineering analysis. Over the course of his young career with Fugro, he has gained extensive knowledge of Louisiana geotechnical conditions and applies that knowledge and experience to provide our clients with quality, reliable geotechnical consulting.	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Andrew Bull, E.I.	Years of relevant experience with this employer	4
Title	Project Professional	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2017 / Civil Engineering	
Active registration number / state / expiration date		EI 33645 / LA / 09/30/2022	
Year registered	2018	Discipline	Civil
Contract role(s) / brief description of responsibilities		Project Professional. Mr. Bull will execute geotechnical project phases including project initiation/planning, coordination, review of field data collection, laboratory assignments, geotechnical engineering analyses, and report generation	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
05/18–Present	Since Joining Fugro in 2018, Mr. Bull has had experience in the Louisiana and Southeast Texas region on nearshore and onshore sampling, field coordination, field project management, construction monitoring (HDD, Deep Soil Mixing, and roadways), data acquisition/interpretation/utilization, reporting, and analysis. Experience in engineering including deep/shallow foundations for structures, Hydro-fracture analysis, and structural steel design, Geotechnical Lab applications		
6/21 – 12/21	LADOTD – Interstate 10 (I-10) Calcasieu River Bridge (H.003931), Calcasieu Parish, Louisiana. Project Professional. LADOTD is currently planning for the design and construction of a new I-10 bridge crossing at the Calcasieu River. For this project, 72 soil borings, laboratory testing, and data reporting were performed for the main bridge structure, overpasses, and pavements Mr. Bull provided coordination of all drilling/field exploration activities, reviewed field and laboratory data, and aided in the data reporting.		
1/21 – 3/21	Calcasieu Parish Police Jury (CPPJ), Aucoin & Associates, Inc. North Perkins Ferry Road Bridge, Calcasieu Parish, Louisiana. Staff Professional. CPPJ is currently replacing the existing bridge located on North Perkins Ferry Road near Moss Bluff in Calcasieu Parish with a new slab span bridge supported on precast concrete piles. Mr. Bull provided field PDA data collection for this project.		

10/18 – 12/18	<p>Interstate 20 (I-20) – Kansas Lane – Garrett Road Connector, Monroe, Louisiana.</p> <p>Staff Engineer. LADOTD plans to modify and improve the Kansas Lane to Garrett Road connection at the intersection of I-20 in Monroe, Louisiana with the addition of a new overpass bridge, roundabouts, and new interstate entrance and exit ramps. Mr. Bull provided field coordination services and support.</p>
<p>Value Added to The Statewide Geotechnical IDIQ: Mr. Bull provides the team with a demonstrated history of smooth and safe coordination/execution of field operations. Additionally, Mr. Bull has significant technical experience for providing geotechnical and foundation engineering recommendations and field oversight of installations.</p>	

(Add rows as needed)



16. Staff Experience:

Firm employed by		Fugro USA Land, Inc.	
Name	Gerard Plauche	Years of relevant experience with this employer	21
Title	QHSSE Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2004 / Industrial Technology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Health and Safety. Mr. Plauche will provide Health and Safety support to project and personnel conducting work on site. Health and safety related training, project-specific safety meetings and risk assessments, and incident response will be supported by Mr. Plauche.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
2001- current	Mr. Plauche serves as Quality, Health, Safety, Security and Environmental (QHSSE) Manager for Fugro USA, Inc. Mr. Plauche works to support the Geotechnical group maintains all proper safety and health related training to execute their projects safely, and ensures projects have safety & emergency response plans in place. Mr. Plauche maintains the Fugro Health and Safety Policies manual to ensure it maintains regulatory compliance and promotes industry best practice for safe work practices. Mr. Plauche leads incident response for health and safety incidents and leads medical case management for all injured/ill Fugro workers.		
Value Added to The Statewide Geotechnical IDIQ: Mr. Plauche brings 21 years of health and safety experience and delivers consistent Health and Safety support to all Geotechnical task orders.			

(Add rows as needed)



16. Staff Experience:

Firm employed by		Traffic Control Products of Louisiana, Inc.		
Name	Nathan Billiot		Years of relevant experience with this employer	3
Title	Project Manager/Estimator		Years of relevant experience with other employer(s)	26
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities			Project Manager. Mr. Billiot will manage and execute traffic control scopes for applicable task orders. This will consist of scoping, pricing and coordination.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
02/19-Present	Project Manager/Estimator for Traffic Control Products Company of Louisiana			
08/09-02/19	Project Manager/Estimator for Precision Construction – Gretna, LA – estimated and managed commercial building projects, Coast Guard Station in Algiers, LA, Concessions Facility in Kenner, LA			
05/07 – 06/09	Project Manager/Estimator for Constructrite Construction LLC in Holden, LA – Managed commercial building projects for state and local governments			
09/96 – 05/07	Project Manager/Estimator for United Rentals Hwy Technologies – Baton Rouge, LA – Duties consisted of managing day-to-day operations, managed project I-110 in Baton Rouge installing 5 million dollars of overhead sign installation, guard rail maintenance projects in six districts statewide, mentor and trainer implementing Rental Man software in several district locations nationwide.			
04/86 – 09/96	Commercial Fisherman (Boat Owner/Captain) Two year appointment to serve on the GOM Fisheries Management Council in Mississippi			
Value Added to The Statewide Geotechnical IDIQ: Mr. Billiot brings over 2 decades of experience in construction and safety and is a certified Traffic Control Technician and Supervisor				

16. Staff Experience:

Firm employed by		Traffic Control Products of Louisiana, Inc.		
Name	Ray Billiot		Years of relevant experience with this employer	4
Title	Project Manager		Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization			N/A	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities			Project Manager. Mr. Billiot will manage and execute traffic control scopes for applicable task orders. This will consist of scoping, pricing and coordination.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
07/17-Present	Project Manager/Estimator for Traffic Control Products Company of Louisiana			
11/16 - 07/17	Project Supervisor/Foreman for Ozark Safety Services – Montgomery, LA			
11/14 – 10/16	Manager/Estimator for Workzone LLC			
04/13 – 11/14	Manager/Estimator for Specialty Demolition – New Orleans, LA			
09/09 – 04/13	General Superintendent Command Construction LLC – Metairie, LA			
09/03 – 06/09	Project Superintendent/Estimator Constructrite Construction LLC – Holden, LA			
01/95 – 08/03	Project Superintendent United Rentals Hwy Technologies – Baton Rouge, LA			
Value Added to The Statewide Geotechnical IDIQ: Mr. Billiot brings over 3 decades of experience in construction and safety.				

16. Staff Experience:

Firm employed by		Traffic Control Products of Louisiana, Inc.	
Name	Glen Eggers	Years of relevant experience with this employer	0.5
Title	Project Manager/Estimator	Years of relevant experience with other employer(s)	38
Degree(s) / Years / Specialization		BA / 1978 / Business Administration	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Project Manager. Mr. Eggers brings more than 38 years of experience to the traffic field. He has prepared reliable, detailed, and well-documented cost estimates and bid proposals for various projects. He schedules, coordinates, and supervises the overall delivery and installation traffic control field operations. He also works closely with contracts and state agencies to help resolve field issues and discuss value added engineering. Glen taught Traffic Control Supervisor and Technician Courses for AGC and ATSSA for 13 years. He attends State and Federal Traffic Safety Meetings regularly to assist in shaping Louisiana Traffic Control Specifications.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
01/22-Present	Project Manager/Estimator for Traffic Control Products Company of Louisiana		
08/09 - 1/22	Project Manager/Estimator for Traffic Solutions		
05/08 – 08/09	Project Manager/Estimator for QPL		
09/07 – 08/08	Project Manager/Estimator for Highway Technologies		
05/06 – 09/07	Project Manager/Estimator for United Rentals		
02/86 – 08/06	Project Manager for Work Zone		
05/84 – 01/86	Traffic Safety Professional for Hy-Co Safety Lights		
Value Added to The Statewide Geotechnical IDIQ: Mr. Eggers’ decades of experience in traffic safety through practice and as an instructor allow him to apply a unique expertise to each project.			

17. Firm Experience:

Firm name	Fugro USA Land, Inc.		Past Performance Evaluation Discipline(s)*	Geotechnical
Project name	Kansas Lane, Garrett Road Connector and I-20 Improvements		Firm responsibility (prime or sub?)	Sub
Project number	H.004774 & H.007300.6	Owner's name	State of Louisiana, DOTD	
Project location	Ouachita Parish, Louisiana		Owner's Project Manager	Unknown
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)	09/17	Total consultant contract cost (\$1,000's)		2,853
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		279

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 planning to widen Garrett Road and provide a connection from I-20 to Kansas Lane in the City of Monroe, Ouachita Parish. The project includes widening Garrett Road 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 includes 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 a field study, 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
- MSE wall considerations
- 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

Project Team: Sam Bryant, PhD, PE, PG, Eric Marx, PE, Jack Koban, PhD, PE, PG, Mike Allen, Deborah Meyer-Sayer

17. Firm Experience:

Firm name	Fugro USA Land, Inc.		Past Performance Evaluation Discipline(s)*	Geotechnical
Project name	LA DOTD Statewide Geotechnical Retainer IDIQ Contract (multiple)		Firm responsibility (prime or sub?)	Prime
Project number	700-66-0507	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, 01/20	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	05/17, 01/23	Cost of consultant services provided by this firm (\$1,000's)		6,000

As part of a Statewide Geotechnical retainer contract awarded multiple times, Fugro performed geotechnical exploration and engineering related services for statewide projects under individual Task Orders for DOTD. The contracts have included over 25 task orders have covering a wide geographical area of Louisiana. The geotechnical investigations, sampling, and testing services provided for this contract include:

Field reconnaissance for equipment access	Drafting of subgrade soil surveys
Land clearing for equipment access	Instrumentation installation – LA 70 (Bayou Corne sinkhole)
Deep and shallow soil borings	Exploration location survey
ECPT soundings	Laboratory testing
Drafting of boring and ECPT logs	

As principal-in-charge, Mr. Marx negotiated and oversaw completion of task orders the work for which was performed in accordance with DOTD protocols.

Fugro was once again selected for this contract in 2020 and has been awarded 4 task orders between 2021 and 2022 the largest of which, the I-10 Calcasieu River Bridge (H.003931) included over 70 borings utilized multiple rigs and a number of Fugro professionals to complete on budget and ahead of schedule.

TCPL was utilized for a number of task orders related to this contract.

Project Team: Eric Marx, PE; Jack Koban, PhD, PE, PG; Sam Bryant, PhD, PE; Deborah Meyer-Sayer; Mike Allen, PG; Mike Hollier, PE; Viet Le, EI; Andrew Bull, EI; Sheldon Collins;

STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT CONSULTANT TECHNICAL EVALUATION

Evaluation ID 4717	Discipline GeoTech
Approved By Nickel, Chris J.	Task Order Number H.003931
Technical Evaluator Christopher Nickel	Rating Date 1/10/2022
Project Manager Smith, Kristy H.	
Consultant Fugro USA Land, Inc.	<input checked="" type="radio"/> Prime <input type="radio"/> Sub
Project Number H.003931 - CALCASIEU RIVER BRIDGE (HBI)	Complex: <input checked="" type="radio"/> Yes <input type="radio"/> No
Contract Number 44/19015	Contract Value \$ 101,000 - \$ 1,000,000

1. Provide a brief description of the project and the evaluated deliverables.

This project consisted of performing 42 deep Geotechnical soil borings and 30 shallow subgrade soil survey borings for the I-10 Calcasieu preliminary Geotechnical Investigation. This project had a tight schedule with a demanding work load. Fugro completed the borings, lab testing and data report exactly how we asked and delivered well before the due date.

2. Explain the technical accuracy of the consultant's deliverables throughout the project.

The deliverables were provided exactly how the Geotech section requested.

3. Describe all notable aspects, positive and negative, of the consultant's participation in the project.

Fugro completed the proposal very quickly, which allowed for the early delivery of the Notice to Proceed. They also delivered the final Data Report a month before the due date. Fugro did an excellent job with this task order.

4. If the consultant was the prime summarize the management of the project.

The project was well managed. Michael Hollier kept our section informed of progress and did a good job communicating, he was well-organized and was ahead of schedule.

17. Firm Experience:

Firm name	Fugro USA Land, Inc.		Past Performance Evaluation Discipline(s)*	Geotechnical
Project name	I-12 to Bush Corridor, LA 3241 (I-12 to LA 36)		Firm responsibility (prime or sub?)	Prime
Project number	H.004774 & H.007300.6	Owner's name	State of Louisiana, DOTD	
Project location	St. Tammany Parish, Louisiana		Owner's Project Manager	Unknown
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)	03/17	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	09/17	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 Louisiana Department of Transportation and Development (LADOTD) was planning to widen 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 a field study, 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.

- 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: Sam Bryant, PhD, PE, PG, Eric Marx, PE, Jack Koban, PhD, PE, PG, Deborah Meyer-Sayer

17. Firm Experience:

Firm name	Fugro USA Land, Inc.		Past Performance Evaluation Discipline(s)*	Geotechnical
Project name	Livingston Parish Capital Improvements Program 2016-2019		Firm responsibility (prime or sub?)	Sub
Project number		Owner's name	Livingston Parish c/o McLin Taylor, Inc.	
Project location	Livingston Parish		Owner's Project Manager	
Owner's address, phone, email	28339 South Frost Road, Livingston, LA, 225- 686-1444, billy@mcclintaylor.com			
Services commenced by this firm (mm/yy)	01/16	Total consultant contract cost (\$1,000's)		unknown
Services completed by this firm (mm/yy)	06/19	Cost of consultant services provided by this firm (\$1,000's)		700

McLin Taylor, Inc. was selected by Livingston Parish to oversee the engineering design, construction bidding and construction oversight for a 25-road overlay program in the Parish in 2018. Fugro has been selected to be the geotechnical subconsultant on this program since 2016. Fugro has provided geotechnical, pavement and construction materials testing. Our tasks for these services included the following:

- Coordinating the traffic control for performing soils borings on select higher speed roads.
- Consulting with LA One Call prior to mobilizing drilling equipment.
- Drilling a series of shallow borings on 25 of the roads in order to obtain soil samples on which to perform laboratory testing.
- Performing soils cement testing on recovered soil samples so that required cement percentages could be determined.
- Providing engineering oversight for the roadway overlay projects.
- Providing construction materials technicians for quality assurance (QA) services during the pavement construction.



Project Team: Eric Marx, PE, Jack Koban, PhD, PE, PG, Carol Brewer, Deborah Meyer-Sayer

17. Firm Experience:

Firm name	Fugro USA Land, Inc.		Past Performance Evaluation Discipline(s)*	Geotechnical
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 PENSCO)	
Project location	Lafayette Parish, Louisiana		Owner's Project Manager	Al Martin, PE (PENSCO)
Owner's address, phone, email	411 Wall Street, Lafayette, LA 70506-3029			
Services commenced by this firm (mm/yy)	05/12	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)		266

DOTD planned to design and construct 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 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 a field study, laboratory testing, engineering analysis and data reporting to assist Duplantis Design Group, the prime design consultant, in the design 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.

Project Team: Eric Marx, PE, Sam Bryant, PhD, PE, PG, Jack Koban, PhD, PE, PG, Mike Allen, PG, Carol Brewer, Deborah Meyer-Sayer

17. Firm Experience:

Firm name	Traffic Control Products of Louisiana		Past Performance Evaluation Discipline(s)*	Other/Traffic Control
Project name	I-10 Canal St.			Firm responsibility (prime or sub?) Sub
Project number	SP# H.013586.6	Owner's name	State of Louisiana, DOTD	
Project location	New Orleans, LA		Owner's Project Manager	Unknown
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)	09/19	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	09/19	Cost of consultant services provided by this firm (\$1,000's)		239

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

Traffic Solutions of Louisiana provided temporary signs, barricades, and general traffic control services for this project

Project Team: Glen Eggers, Nathan Billiot, Ray Billiot

17. Firm Experience:

Firm name	Traffic Control Products of Louisiana		Past Performance Evaluation Discipline(s)*	Other/Traffic Control
Project name	I-10 BR Twin Spans Bridge			Firm responsibility (prime or sub?) Sub
Project number	SP# H.014296	Owner's name	State of Louisiana, DOTD	
Project location	New Orleans, LA		Owner's Project Manager	Unknown
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)	08/21	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)	08/21	Cost of consultant services provided by this firm (\$1,000's)		15

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

Traffic Solutions of Louisiana provided temporary signs, barricades, and general traffic control services for this project

Project Team: Glen Eggers, Nathan Billiot, Ray Billiot

17. Firm Experience:

Firm name	Traffic Control Products of Louisiana		Past Performance Evaluation Discipline(s)*	Other/Traffic Control	
Project name	US 190 Bayou Teche			Firm responsibility (prime or sub?)	Sub
Project number	SP# H.014296	Owner's name	State of Louisiana, DOTD		
Project location	St. Landry, LA		Owner's Project Manager	Unknown	
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)		08/20	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm (mm/yy)		03/21	Cost of consultant services provided by this firm (\$1,000's)		138

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

Traffic Solutions of Louisiana provided temporary signs, barricades, Mail Boxes, and general traffic control services for this project

Project Team: Glen Eggers, Nathan Billiot, Ray Billiot

18. Approach and Methodology:

Fugro will conduct Cone Penetrometer Test (CPT) Soundings and/or soil borings and subsequent laboratory testing in general accordance with Louisiana Department of Transportation & Development (LA DOTD) 2016 Standard Specifications for Roads and Bridges Manual and applicable Geotechnical Guidelines. Sheldon Collins is the licensed water well driller and his certification is included in Section 20.

Fugro understands that the success of a project and satisfaction of stakeholders depends on a 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 Louisiana-based drillers, loggers, technicians, and engineers have demonstrated over the course of our current Geotechnical retainer contract, 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.



Preliminary Site Visit, HSE Plan, Subsurface Hazard Mitigation, Traffic Control:

- Prior to the start of exploration for each potential task order, Fugro will conduct a detailed site visit in to assess equipment accessibility and applicability to select the most efficient rig(s) and methodology(s) for each project.
- Subsequently, Fugro will use Louisiana One-call and other means to clear buried hazards and ensure the safest possible execution of exploration
- Finally, Fugro will coordinate traffic safety through DBE/SBE subcontractor, Traffic Control Products of Louisiana to provide adequate barricades, flaggers, traffic control technicians and supervisors to enhance safety and efficiency of field activities

Cone Penetration Test Methodology:

- A Fugro field manager will be present to maintain oversight and documentation of field activities at all times.
- 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

Soil Boring Methodology

- As with CPT scopes, Fugro will precede soil boring activities with a detailed site visit to ensure proper equipment selection(s) based on project scale and site accessibility.
- Borings will be completed using truck-, track-, or ATV-mounted drilling equipment based on accessibility, and will employ a combination of dry auger and wet rotary techniques
- Borings to be sampled continuously from existing grade to a depth of 16-ft, then at 5-ft intervals to 100-ft or completion whichever comes first, and logged in general accordance with the *Standard Practice for Description and Identification of Soils (Visual-Manual Procedures)* (ASTM D2488).
- Cohesive soils will be sampled using a thin-wall tube sampler in general accordance with the *Standard Practice for Thin-Walled Tube Sampling of Soils for Geotechnical Purposes* (ASTM D1587).
 - Tube samplers will be a minimum of 3 inches and sample length will be 24-inches
- Granular soils will be sampled using a split-spoon sampler in general accordance with the *Standard Test Method for Standard Penetration Test and Split-Barrel Sampling of Soils* (ASTM D1586).
 - Split-spoon samples will be collected for 18-inch sample length unless SPT indicates refusal to be defined as greater than 25 blows per 6 inches or 100 total blows per 18 inches.
- Estimate cohesive soil shear strengths in the field using a pocket penetrometer and/or Torvane.
- Record SPT N-values in granular soils.
- Measure short-term depth-to-water in open boreholes during drilling.
- Backfill the borings with cement-bentonite grout upon completion of drilling and sampling activities.
- Undisturbed samples will be capped and sealed to preserve natural moisture conditions and will then transported to our lab for extrusion and laboratory testing.

Quantity	Rig	Drill Method				Drill Mount					Normal Drilling Capability
		Hollow-Stem	Rotary Wash	Air Rotary	Hydraulic Sampling	Truck	Buggy/Track	Skid	Portable	Trailer	
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

Laboratory Methodology

Fugro maintains current AASHTO accreditations for the test methods listed in the advertisement at our Baton Rouge laboratory. Current certificates are included in Section 20. 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 (ASTM D2166).
 - At least 75% of cohesive samples will be tested for strength, index properties, and classification in accordance with Louisiana DOTD 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

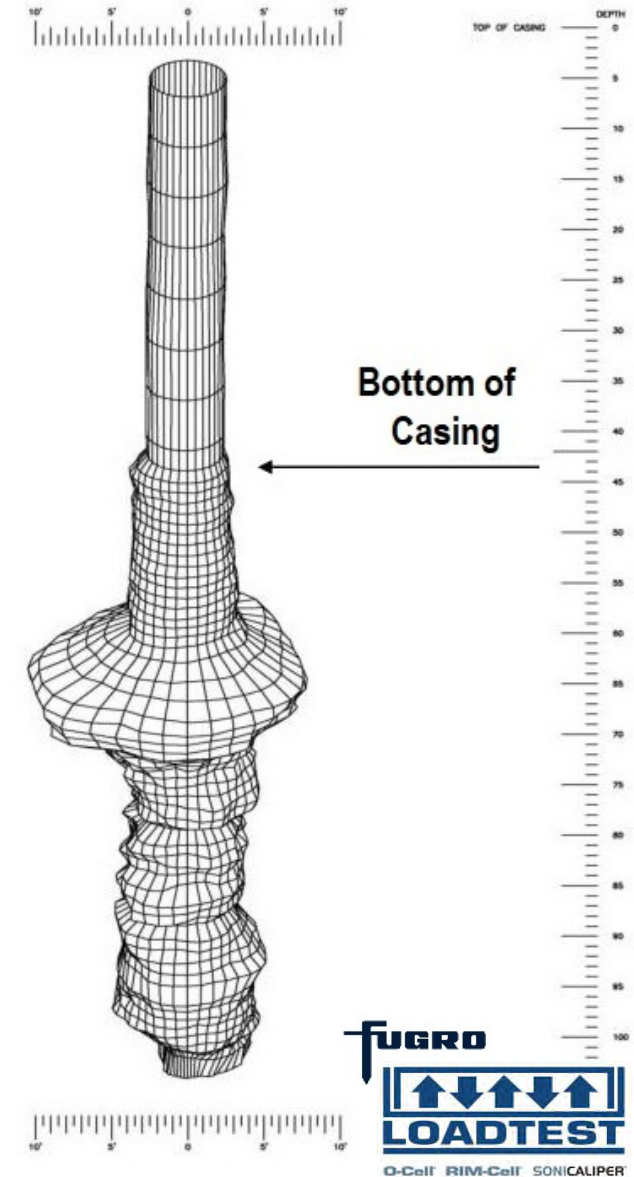
Deep Foundations Optimization Methodology

Using its 30 years of experience and world-renowned technology to gather optimization information, Fugro provides foundation performance measurement with the pioneering Osterberg Cell (O-Cell) bi-directional static testing on drilled shafts (caissons), continuous flight auger (CFA), barrettes, and driven prestressed piles.

- For driven pile foundations Fugro employs evaluation of dynamic conditions starting with WEAP analysis, Pile Driving Analyzer (PDA) monitoring during driving with subsequent CAPWAP analysis of dynamic data. Fugro employs world experts on dynamic measurement and interpretation. Traditional top-down testing is also applied for deep foundations when appropriate to develop the information needed to optimize foundation performance.

Fugro foundation testing experts are familiar with Louisiana soils and understand the behavior of various types of foundations typically used on Louisiana projects. In addition to that expertise is the understanding of the importance of construction quality in foundation performance.

- To establish construction quality confidence, Fugro inspects drilled shaft excavations for verticality, alignment, shape and volume with slurry behavior indications using the SONICaliper. For post construction control checks of placed concrete placement checks Fugro employs tools such as Cross-Hole Sonic Logging (CSL) and Thermal Integrity Profiling (TIP) for both drilled shafts and CFA foundations.
- Quality control for driven piles is approached through stress control.
- As proof of performance ensuring that construction methods or site geotechnical materials changes are not detrimentally impacting production foundations capabilities, Fugro implements approaches unique to the foundation types. This is key part of foundation optimization for efficient foundation to be provided to a project. For drilled shaft or CFA foundation Fugro uses the RIM-Cell to proof load the foundations to 1.3 time the employed design load to ensure performance. For driven piles the PDA is employed in a similar manner through production pile installation monitoring and re-strikes to assure that piles are achieving the design loads needed.



19. Workload:

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

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

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

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

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Fugro USA Land, Inc.	Environmental	440006176	IDIQ Contract for Corrective Action Plan Development and Implementation (Most Recent Task Order Complete)	\$0
Fugro USA Land, Inc.	Geotechnical	H.012032.5	LA 2 Colewa Bayou and Delmar Bayou Bridges (5% complete)	\$114,362
Fugro USA Land, Inc.	Geotechnical	H.012071.5	US 51: Yellow Water Bridge (91% complete)	\$5,862
Traffic Control Products of Louisiana	Other/Traffic Control			\$0

(Add rows as needed)

DO NOT SUM

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

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

20. Certifications/Licenses:

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

Professional Licensing

Name: Public Address:
Fugro USA Land, Inc. 6100 Hillcroft Avenue
Houston, Texas 77081

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003154	Active	06/08/2004	09/30/2022	Mr. Eric Robert Marx # PE.0031479 - Active ; Mr. Morgan Dewey Reed # PE.0024224 - Active





CERTIFICATE OF ACCREDITATION



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


Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 02/03/2022 at 8:44 AM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



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

Aggregate

Standard:	Accredited Since:
C29 Bulk Density ("Unit Weight") and Voids in Aggregate	12/31/2013
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/18/2012
C127 Specific Gravity and Absorption of Coarse Aggregate	01/18/2012
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	01/18/2012
C136 Sieve Analysis of Fine and Coarse Aggregates	03/09/2009

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
D1556 Density of Soil In-Place by the Sand Cone Method	12/31/2013
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
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	03/09/2009



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)

Traffic Control Products Co. of LA, Inc.

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

NC237310, NC238110, NC238990

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

Certificate Eligibility: February 2022 to February 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development



Dear Certified Flagger:

Enclosed, please find your card signifying you as a Certified ATSSA Flagger. This card should be carried and presented to employers while performing work on our roadways. Please be aware that the card is not valid without a Photo I.D.

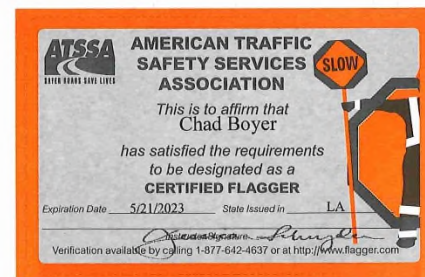
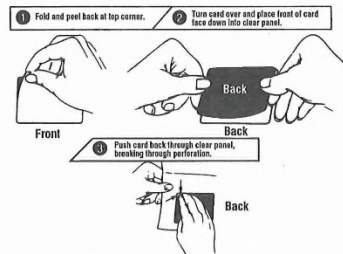
American Traffic Safety Services Association (ATSSA) commends you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the "Leader in Roadway Safety" and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any changes in name or address so we may keep our records up to date.

Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses or for any of our products created for use in a work zone.

Sincerely,

Jessica Hyngher
Director of Training

Laminating the front of your card with Dual Laminate:



American Traffic Safety Services Association
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Angela L Connella

has attended


Traffic Control Technician-LA State Specific

Training Course

3/4/2022 to 3/4/2026
Training Valid Through

Denham Springs, LA
Location


Director of Training


President, CEO

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



American Traffic Safety Services Association ATSSA.com

*The American Traffic Safety
Services Association*

Hereby recognizes that

Nathan Billiot

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course



03/06/2017

Date

New Orleans, LA

Location

Doreen M. Clark
Training & Products Dept. Director

Ryan A. Wentz
President, CEO

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

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

DOTD requires the selected consultant and all sub-consultants to develop a Quality Assurance/Quality Control (QA/QC) program in order to provide a mechanism by which all deliverables will be subject to a systematic and consistent review. The selected consultant shall address in its plan the review of all sub-consultant work and deliverables. The selected consultant must submit their QA/QC plan to the DOTD PM within 10 business days of the award notification to the consultant.

Fugro has prepared a QA/QC plan and will submit promptly upon notice of contract award

22. Sub-consultant information:

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

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
Traffic Control Products of Louisiana, Inc.	2230 Tower Street Denham Springs, LA 70726	Suzanne Albin Suzanne@tcpofla.com	225-665-7950

(Add rows as needed)

23. Location:

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



We provide the people, equipment, expertise and technology that support the exploration, development, production and transportation of our world's natural resources. We'll give you the technical data and information required to design, construct and maintain your structures and infrastructure in a safe, reliable and efficient manner.

