

Louisiana Department of Transportation & Development

IDIQ Contracts for Professional Geotechnical Services Statewide Contract Nos. 4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656, and 4400024657

June 28, 2022

Submitted by:





BATON ROUGE

316 Highlandia Drive Baton Rouge, LA 70810 225.752.4790

NEW ORLEANS

101 Teal Street St. Rose, LA 70087 504.835.2593

SHREVEPORT

7222 Greenwood Road Shreveport, LA 71119 318.636.3673

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	IDIQ Contracts for Geotechnical		
	Services Statewide		
2. Contract number(s) as shown in the advertisement	4400024650, 4400024651, 4400024652, 4400024653, 4400024654, 4400024655, 4400024656, and 4400024657		
3. State Project Number(s), if shown in the advertisement			
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Ardaman & Associates, Inc. Ardaman & Associates, 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.1680		
6. Prime consultant mailing address	P.O. Box 83710 Baton Rouge, LA 70884-3710		
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	316 Highlandia Drive, Baton Rouge, Louisiana 70810		
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Robert Jewell, PE, Project Engineer / Branch Manager P. (225) 752-4790 E. rjewell@ardaman.com		
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Robert Jewell, PE, Project Engineer / Branch Manager P. (225) 752-4790 E. rjewell@ardaman.com		

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Signature (shall be the same person as #8):

Date: June 27, 2022

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s): Traffic Control Products of LA, Inc. Firm(s)' %: 2%

12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert the completed table here. 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.

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 Disciplines	% of Overall Contract	Prime: Ardaman & Associates, Inc.	Firm B: Traffic Control Products of LA, Inc.	Firm C	Firm D	Firm E	Each Discipline must total to 100%
Geotech	91%	100%	0%				100%
CE&I / OV	5%	100%	0%				100%
Survey	2%	100%	0%				100%
Traffic*	2%	0%	100%				100%

Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each subconsultant.

Percent of Contract	100%	98%	2%		100%

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. The crosswalk from the old categories to the new categories can be found at the link below: http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf. (same link as in the advertisement)

^{*}This evaluation discipline listed as traffic pertains to traffic safety.

13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (xxxx)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside LaDOTD/Divisions/Engineering/CCS/Job Qualification/Job%20Classifications%20with%20Descriptions.pdf

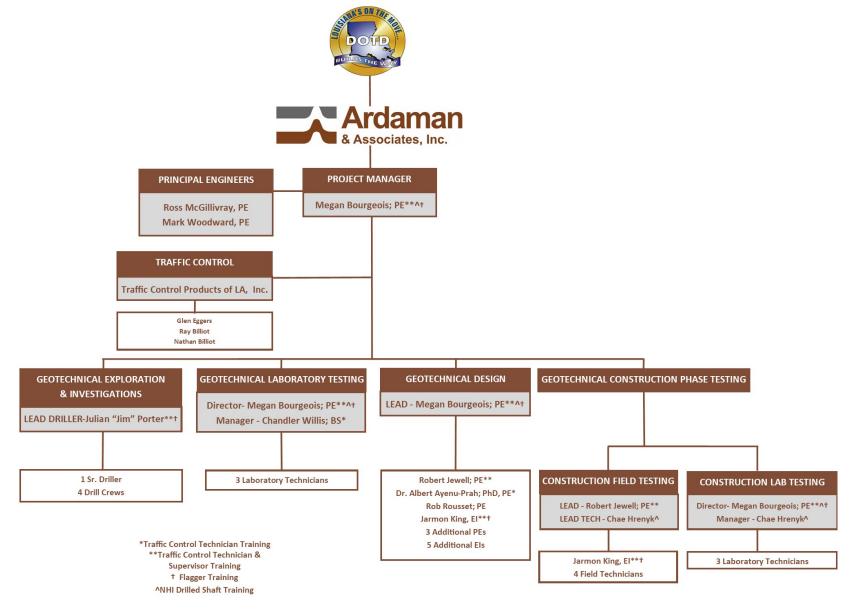
Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Ardaman & Associates, Inc.	Administrative	1	1
Ardaman & Associates, Inc.	Clerical	1	1
Ardaman & Associates, Inc.	Engineer	2	4
Ardaman & Associates, Inc.	Engineer Intern	3	6
Ardaman & Associates, Inc.	Principal	2	2
Ardaman & Associates, Inc.	Senior Technician	7	9
Ardaman & Associates, Inc.	Supervisor-Engineering	3	3
Ardaman & Associates, Inc.	Supervisor-Other	3	3
Ardaman & Associates, Inc.	Technician	9	13
Traffic Control Products Co. of LA, Inc.	Principal	2	2
Traffic Control Products Co. of LA, Inc.	Supervisor – Other	3	3
Traffic Control Products Co. of LA, Inc.	Supervisor – Eng.	10	20
Traffic Control Products Co. of LA, Inc.	Technician	20	40

14. Organizational Chart:

Provide an organizational chart showing ALL relevant prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13.

If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.

It is acceptable to use an 11x17 format for Section 14.



15. Minimum Personnel Requirements:

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

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	Mark Woodward, PE	Ardaman & Associates, Inc.	Civil Engineer / PE.0024206	LA	PE.0024206 / 09/30/2023
2	Megan Bourgeois, PE	Ardaman & Associates, Inc.	Civil Engineer / PE.0036725	LA	PE.0036725 / 03/31/2024
3	Megan Bourgeois, PE	Ardaman & Associates, Inc.	Civil Engineer / PE.0036725	LA	PE.0036725 / 03/31/2024
4	Megan Bourgeois, PE		Civil Engineer / PE.0036725	LA	PE.0036725/ 03/31/2024
		Ardaman & Associates, Inc.			
	Chandler Willis, BS		N/A	N/A	N/A
5	Jim Porter	Ardaman & Associates, Inc.	Water Well Driller	LA	Water Well Driller WWC #212

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	y: Ardaman & Associat	tes, Inc.	
Name Albert A	yenu-Prah, Jr., PhD, PE		Years of relevant experience with this employer 7
Title PROJECT E	NGINEER		Years of relevant experience with other employer(s) 7
Degree(s) / Years	/ Specialization		PhD / 2007 / Civil Engineering
			MS / 2004 / Civil Engineering
			BS / 2001 / Civil Engineering
	n number / state / expira		37402 / LA / 03-31-2023
Year registered	The state of the s	Discipline	Civil
	brief description of resp		Project Engineer
Experience dates			evant to the proposed contract; i.e., "designed drainage", "designed girders", "designed
(mm/yy-mm/yy)			s should cover the time specified in the applicable MPR(s).
			r with 14 years of experience in pavement and geotechnical engineering. His expertise in rigid and
	1		design methodologies (both empirical and mechanistic-empirical), asphalt and concrete materials,
	1 -	•	anagement systems, drainage design, pavement roughness and ride quality, GPR, and FWD. Dr. Ayenu-
		•	t systems encompasses highway pavements, airport pavements, industrial pavements, and heavy-duty
		_	nical engineering includes foundations, embankments, stability of slopes, retaining walls, settlement,
		_	d movement instrumentation, ground improvement, and various aspects of construction. Dr. Ayenu- les in various projects pertaining to pavement systems and geotechnical engineering. He has also
			d several publications, and has been a technical reviewer for several peer-reviewed papers, particularly
			he is proficient in most geotechnical engineering software including Slope/W, Seep/W, DRIVEN, gINT,
	'	•	EAP, and development of pavement design analysis spreadsheets.
07/21-Ongoing			SSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Project Engineer. Leads technical reviews
, , ,			hes, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure
		_	nd load testing recommendations. This is a Construction Management at Risk (CMAR) project which
	includes widening of th	ne east and we	estbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Bator
	Rouge Parish to Essen L	ane on I-10 ar	nd I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
04/21-Ongoing	SP Nos. 700-29-0112, 70	00-29-0130, H	.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE
			a, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Engineer. Leads technical reviews
		_	aches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and
		-	mendations. This project consists of the replacement of multiple small two-lane bridges throughout
	rural areas of Southeast	t Louisiana wh	ich generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.

12/20-Ongoing	SP No. H.013897 / COLLEGE DRIVE FLYOVER RAMP I-10/I-12 WEST: East Baton Rouge Parish, LA. Project Manager. Leads technical reviews pertaining to Owner Verification (OV) of geotechnical design for various structures, as well as pavement design along the project alignment. This is a Design-Build project which includes modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits., and Ardaman's scope consists of OV services.
03/19-07/20	SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Engineer. Evaluated the laboratory test results, including consolidation testing, and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report.
06/18-Ongoing	SP No. H.004791 / LA 23 BELLE CHASSE BRIDGE AND TUNNEL: Plaquemine Parish, LA. Project Manager. Leads geotechnical and pavement engineering design reviews pertaining to Owner Verification (OV) during design and construction phases. This is a P3 Project, consisting of replacing the Belle Chasse bridge and tunnel, and Ardaman's scope consists of OV services.
05/19-Ongoing	SP No. H.003370 / I-220/I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE ACCESS ROAD: Bossier Parish, LA. Project Engineer. Responsible for pavement design for all roadways. This Design-Build project consists of construction of an interchange and direct access road to I-20 from the Barksdale Air Force Base just outside of Bossier City. Structures include twin overpass bridges and access ramps.
09/17 – 06/18	RODDY ROAD SAFETY WIDENING: Ascension Parish, LA. <i>Project Engineer</i> . Responsible for pavement and deep foundation design for the safety widening along Roddy Road from LA 935 to LA 621. The project consisted of providing two 12-foot lanes, 4-foot shoulders, and a defined side ditch for roadside drainage, as well as the design of various turn lanes at the intersection locations.
01/15-Ongoing	PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. <i>Project Engineer.</i> Performed geotechnical engineering analyses, including embankment settlement and slope stability of earth retaining structures, and deep foundations. The project consists of the construction of an interchange with multiple through and turn lanes, entrance and exit ramps in a congested area, replacing two existing overpass bridges, as well as roadway widening and extension. Mr. Ayenu-Prah is currently involved with the construction phase services including review of the pile driving system and high-strain dynamic testing.
07/15-Ongoing	SP No. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT): Lafayette Parish, LA. Project Engineer. Responsibility includes geotechnical design and technical review for various structures along the project alignment. The project includes frontage roads, and elevated mainline viaduct structure, interchanges with associated ramps, and bridges over a total length of 5 miles. Mr. Ayenu-Prah helped characterize all of the soil borings and CPT soundings into various design reaches using an Ardaman created database across the 5 mile alignment and oversaw the pile foundation design, earth retained structures, slope stability, and embankment settlement. He is also helping to develop the preliminary geotechnical report.
11/15-Ongoing	SP No. H.011309 / MCARTHUR INTERCHANGE COMPLETION PHASE II, US 902: Jefferson Parish, LA. Project Engineer. Responsible for geotechnical analyses and recommendations pertaining to elevated ramps and associated at-grade approaches. Performed design recommendations including deep foundations, pile group analyses, embankment settlement, and pile supported approach slab design for the construction of ramps entering and exiting Westbank Expressway. Project consists of horizontal and vertical design for widening the south frontage road from Peters Road and east bound Harvey Tunnel to Manhattan Boulevard, including four eastbound on and off ramps of the Westbank Expressway.

Firm employed by	Firm employed by: Ardaman & Associates, Inc.							
Name Megan Bourgeois, PE Years of relevant experience with this employer								
	NGINEER / ASSISTANT BI	RANCH MANAGER		Years of relevant experience with other employer(s)	16 0			
Degree(s) / Years			BS / 2006 / Civil Engineerin					
	n number / state / exp	oiration date	36725 / LA / 03-31-2024					
8	1		Traffic Control Supervisor	Refresher / LA / 8-7-2024				
			DOTD Flagger / LA / 8-8-20	024				
			Certified NHI Drilled Shaft	Inspector				
Year registered	2011	Discipline	Civil					
	brief description of r		Contract Role: Project Mai	-				
Experience dates				ontract; i.e., "designed drainage", "designed girders", "o	designed			
(mm/yy-mm/yy)			.	pecified in the applicable MPR(s).				
		•		ow foundation design, embankment settlement analysis, pile ar				
	-	•		kment and excavation), pipeline and pump station recomme				
	-			onstruction phase testing and laboratory management. She has i	_			
	_	_	_	managed laboratory testing programs, while also serving as Al				
	' ' ' '	•		dways throughout Louisiana. Ms. Bourgeois also serves as the d role, she supervises the laboratory manager, oversees testing,	-			
		-	,	followed and deadlines are met in addition to providing training	•			
	-		cations, including AMRL, CCF		material			
10/09 - Ongoing			-	Eksburg, MS. <i>Project Manager</i> . Ms. Bourgeois manages this mult	i-million-			
				nsisting of investigating the movement of the I-20 Bridge in V				
				emia, outside experts, including internationally recognized geo				
				geotechnical modeling experts. She managed and personally o				
	comprehensive labo	ratory testing pr	ogram and was involved in	refining the geotechnical site characterization for the bank/blu	ıff where			
	there was evidence	of shifting creati	ng movement in the bridge	structure. The specialized testing, she personally performed or	managed			
	included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing pla							
			9	les of critical strata. She was instrumental in designing the geo				
				zometers, Casagrande type piezometers, In-place inclinomet				
				Bourgeois performed seepage and drawdown analyses, slope	•			
	1		•	nically feasible solutions. She co-authored the geotechnical and	•			
	1 .	•		nat included upgrading the entire instrumentation communicatio	in system			
	and will be monitori	ing tims system co	munuousiy.					

07/21-Ongoing	SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Project Engineer. Leads technical reviews
	pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure
	interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which
	includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton
	Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE
	INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Engineer. Leads technical reviews
	pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and
	construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout
	rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-01/22	SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Project Manager. Managed all aspects of this project pertaining
	to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A
	majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed
	from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program,
	processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and
	submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict
	deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure
	and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
10/18- 01/20	SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Project Manager. Managed and oversaw all aspects
	of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high
	flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of
	deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.
10/15- Ongoing	SP NO. H.013579 / PECUE LANE I-10 INTERCHANGE I-10: East Baton Rouge Parish, LA. Project Manager. Managed all aspects of the project
	that included field investigations, laboratory testing, and engineering design. This interchange consists of twin bridges with MSE wall
	abutments for both bridges crossing Interstate I-10 and on/off-ramps in south Baton Rouge. Ms. Bourgeois performed analyses including
	settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, MSE Wall design, slope
	stability and pavement section recommendations; all completed according to DOTD standards. She is currently assisting with the field
	construction monitoring.
03/19-07/20	SP NO. H.004100.5-2 / I-10 WIDENING (LA 415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Manager. Managed all aspects of
	the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of
	interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The
	geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity imaging along the
	entire alignment, laboratory testing and the preparation of a geotechnical data report.
12/12- Ongoing	SP NO. H.009266 / I-10 Widening LA 73 to LA 30: Ascension Parish, LA. Project Manager. Managing all aspects of the project that include
	field investigations consisting of 13 deep soil borings and 26 shallow soil borings, laboratory testing, and engineering design in support of
	the widening of the East and Westbound lanes and elevated structures along I-10 between LA 73 and LA 30 spanning approximately 5
	miles. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design
	including down drag considerations, and pavement section recommendations; all completed according to DOTD standards.

Firm employed by	y: Ardaman & Associates, Inc.				
Name Chae Hre	enyk	Years of relevant experience with this employer	15		
Title CONSTRUC	CTION MATERIALS TESTING MANAGER	Years of relevant experience with other employer(s)	0		
Degree(s) / Years	/ Specialization				
Active registration	n number / state / expiration date	Certified NHI Drilled Shaft Inspector			
Year registered	Discipline				
Contract role(s) /	brief description of responsibilities	Contract Role: Construction Testing Technician Supervisor			
Experience dates		evant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "design	led		
(mm/yy-mm/yy)	· •	s should cover the time specified in the applicable MPR(s).			
	Mr. Hrenyk serves as the Construction Materials Testing (CMT) Manager in the Baton Rouge office. He is an experienced technicia 15 years of experience in the field and laboratory who has successfully performed construction materials testing and QA inspection for of our projects. He has experience with all aspects of pile monitoring including pile driving analyzer (PDA), pile logging and vib monitoring. Mr. Hrenyk has experience with all aspects of drilled shaft construction inspection. He also has extensive geotect instrumentation installation and monitoring experience. He is also responsible for training and supervising all field technicic instrumentation reading and/or monitoring. Mr. Hrenyk also has experience running field resistivity imaging using state of the equipment that provides 2D and 3D geophysical survey transects. Mr. Hrenyk has served as client coordinator where he communicated information to the client and/or engineers for evaluation. He is experienced in conducting field testing, reading and verifying largesty project specification packages, laboratory analyses and inspection of concrete and he has taken the NHI Drilled Shaft Found Construction course and is certified in inspection of drilled shaft installation. He also has specific experience providing laboratory to for LADOTD projects according to required test procedures and submitting data through the required LADOTD Materials Testing database (LIMS). Mr. Hrenyk is also in responsible charge of all aspects of maintaining the certifications for the CMT Laboratory income a vast scope of test methods under AMRL, CCRL, USACE and LDEQ. His duties in this role include but are not limited to maintain equipment maintenance and calibration, supervising and training all technicians on proper test methods, maintaining all documents.				
07/09-08/11		L: Lafourche Parish, LA: Construction Monitoring Inspector. Served in the field as on-site technici southeast Louisiana. He assisted the Engineer with PDA testing and pile logging.	ian		
SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Senior Field Technician. Ardaman's scope of work consist coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A mof the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed marsh buggy over shallow water and thick marsh grass. Mr. Hrenyk assisted in completing the ER surveys. Ardaman's scope of wo consisted of a laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data undextremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, existence roads.					
01/15-Ongoing	PECUE LANE / I-10 INTERCHANGE: E	ast Baton Rouge Parish, LA. Construction Monitoring Inspector. Assisted in performing PDA testi tressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge.	ing		

10/18-Ongoing	SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Construction Monitoring Inspector. Mr. Hrenyk helped oversee the installation of driven piles drilled shafts and helped perform PDA testing
	and static load tests.
10/18- 01/20	SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Senior Field Technician. Ardaman's scope of work for this project consisted of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water, a laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, a field resistivity testing program, and a data report. Mr. Hrenyk assisted with completion of the electrical resistivity surveys.
06/18-Ongoing	SP No. H.004791 / LA 23 BELLE CHASSE BRIDGE AND TUNNEL: Plaquemine Parish, LA. CMT Laboratory Manager. Ardaman's scope for
	this project consists of geotechnical and pavement engineering design reviews pertaining to Owner Verification (OV) during design and
	construction phases. This is a P3 Project, consisting of replacing the Belle Chasse bridge and tunnel, and Ardaman's scope consists of OV
	services. Mr. Hrenyk manages the laboratory testing program portion of this project including internal QC data review and input of the data results into LIMS as required by LADOTD.
10/09 - Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Senior Field Technician. Mr. Hrenyk assisted with many aspects of this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. Ardaman managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. Ardaman managed a comprehensive laboratory testing program and refined a geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing planes, stress-reversal direct shear tests to determine true residual angles of critical strata. He was instrumental in designing and installing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In
	addition, Ardaman performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. A geotechnical analysis and design report was prepared and submitted. Currently, he is assisting with a phase of the project that includes upgrading the entire instrumentation communication system and will be monitoring this system continuously.

16. Staff Experien	<u>ce:</u>		
Firm employed by	r: Ardaman & Assoc	ciates, Inc.	
Name Robert Je	ewell, PE		Years of relevant experience with this employer 15
Title PROJECT E	NGINEER / BRANCH MAN	NAGER	Years of relevant experience with other employer(s) 0
Degree(s) / Years	/ Specialization		BS / 2009 / Civil Engineering
Active registration	n number / state / exp	oiration date	38579 / LA / 09-30-2022
			Traffic Control Supervisor / LA / 9-25-2024
Year registered	2013	Discipline	Civil
	prief description of re		Contract Role: Project Engineer
Experience dates	Experience and qu	ualifications re	levant to the proposed contract; i.e., "designed drainage", "designed girders", "designed
(mm/yy-mm/yy)	1		es should cover the time specified in the applicable MPR(s).
			our Baton Rouge office and as project manager for various geotechnical engineering projects which
	,	•	led shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. He has
		, -	rotechnical field investigations, including shallow and deep borings, CPT soundings, and performed
		-	mendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase
			amic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and
10/18- 01/20	geotechnical instrum		UR PASS BRIDGE & APPROACH: Orleans Parish, LA. Project Engineer. Helped manage and oversee all
10/18-01/20			gation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet
	1 .	-	also helped develop the soil boring logs and preparation of the data report.
10/18-Ongoing			CHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Project
	_		design and planning report for this Design Build project which provides direct access to Interstate I-20
			BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana.
	Mr. Jewell oversaw	the field const	ruction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement
	monitoring.		
03/19-07/20			NG (LA 415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Engineer. Comanaged all aspects
	_	-	support of the widening of the East and Westbound lanes, elevated structures, and construction of
	_	•	d lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical
	_	•	orings and 11 cone penetrometer (CPT) soundings, field resistivity testing, and associated laboratory
			echnical data report.
07/21-Ongoing	·		ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Project Manager. Leads all aspects of
			election of design reaches, geotechnical design of deep foundations, earth retaining structures, slope
			ith existing structures and load testing recommendations. This is a Construction Management at Risk ning of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from
	1		o Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
	LA 413 III WEST DATO	i Nouge i alisti ti	o Essen Lane on 1 10 and 1-12 in Last Daton Rouge 1 ansh spanning approximately 2.3 innes.

04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE
	INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Manager. Leads all aspects of engineering
	analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses
	and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges
	throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-01/22	SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Project Engineer. Lead technical review of all aspects of this project
	pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey
	transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were
	completed from a marsh buggy over shallow water and thick marsh grass. Mr. Jewell also assisted with review of the laboratory testing
	program, processing and analyzing of the ECPT and ER data. He also assisted with development of a geotechnical database and preparation
	and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict
	deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure
07/17 0	and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
07/15-Ongoing	SP NO. H.004273.5 / I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Project
	Manager. Manages the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings. The
	design was for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach
	slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. He will be
	the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project. In addition, he will also
	oversee and coordinate the Phase 2 field and laboratory program which will include a total of more than 400 borings including deep borings,
10/15 Onnaina	shallow borings, and CPT soundings.
10/15-Ongoing	SP No. H.013579 / PECUE LANE I-10 INTERCHANGE I-10: East Baton Rouge Parish, LA. Project Engineer. This interchange consists of twin
	bridges with MSE wall abutments for both bridges crossing Interstate I-10, and on/off-ramps in south Baton Rouge. Mr. Jewell helped perform analyses including settlement estimates with recommendations for monitoring, driven pile and drilled shaft design including down
	drag considerations, MSE Wall design, slope stability and pavement section recommendations; all completed according to DOTD standards.
	Mr. Jewell is currently overseeing the construction phase which includes dynamic testing and settlement monitoring.
04/14-Ongoing	SP No. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241 (LA 36-LA435): St. Tammany Parish, LA. <i>Project Manager</i> . Oversaw and coordinated
04/ 14-Oligoling	the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling,
	and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou
	Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations
	for the bridge structures and shallow foundation design for the culverts. Mr. Jewell is currently overseeing the construction phase which
	includes dynamic testing and settlement monitoring.
10/14-12/16	SP NO. H.010601.5 / I-10 Widening (E. JET. I-49 TO LA 328): St. Martin Parish, LA. Project Engineer. Oversaw and coordinated the
10/11/12/10	geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and
	preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning
	approximately 7 miles.
07/09-08/11	SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA: Assistant Project Engineer. Served in the field as on-site geotechnical engineer
,,	during construction for this project in southeast Louisiana. He conducted dynamic monitoring using the Pile Driving Analyzer, performed
	CAPWAP analyses, reviewed drive logs, and supervised field technicians.

Name Jarmon King, E.I. Years of relevant experience with this employer 3	Firm employed by	r: Ardaman & Asso	ciates, Inc.				
Degree(s) / Years Specialization BS / 2019 / Civil Engineering	Name Jarmon k	(ing, E.I.			Years of relevant experience with this employer	3	
Active registration number / state / expiration date El 34348/ LA / 03-31-2024 Traffic Control Supervisor / LA / 9-4-2024 DOTD Flagger / LA / 3-10-2024 Year registered 2019 Discipline Civil Contract role(s) / brief description of responsibilities Contract Role: Assistant Project Engineer Experience dates Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed (mm/yy-mm/yy) Intersection", etc. Experience dates should cover the time specified in the applicable MPR(s). Jarmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing sofety of employees on the job site in accordance with OSHA where he was responsible for corrying out company safety standards and making any changes to ensure a safe and productive environment. O3/19-07/20	Title ASSISTANT				Years of relevant experience with other employer(s)	1	
Year registered 2019 Discipline Civil Contract role(s) / brief description of responsibilities Contract Role: Assistant Project Engineer Experience dates 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). Jamon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil birning logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Sofety Coordinator and has experience assessing sofety of employees on the job site in accordance with O5HA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. O3/19-07/20 SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Hel	Degree(s) / Years	/ Specialization		BS / 2019 / Civil Engineeri	ng		
Year registered 2019 Discipline Civil Contract role(s) / brief description of responsibilities Contract Role: Assistant Project Engineer Experience dates 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). Jarmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Sofety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and t	Active registration	n number / state / exp	iration date				
Year registered Contract role(s) / brief description of responsibilities Contract Role: Assistant Project Engineer Experience dates (mm/yy-mm/yy) Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed (mm/yy-mm/yy) Intersection", etc. Experience dates should cover the time specified in the applicable MPR(s). Jarmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. O3/19-07/20 SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetromete				·			
Experience dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed (mm/yy-mm/yy) Isrmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. A					2024		
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). Jarmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing sofety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. 93/19-07/20 SP NO. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assi							
(mm/yy-mm/yy) intersection", etc. Experience dates should cover the time specified in the applicable MPR(s). Jarmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing sofety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the lata report. SP NO. H.0003					•		
Jarmon King serves as an Assistant Project Engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geatechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. O3/19-07/20 SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish,	_					esigned	
conducting geotechnical investigations. Mr. King also prepares soil boring logs; analyzes, processes, and plots Cone Penetration Test (CPT) soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. 10/18-Ongoing PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of	(mm/yy–mm/yy)	· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	. ,	
soundings, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project E				, ,		-	
operations. Mr. King also has a great deal of field engineering experience including all aspects of pile driving monitoring, including performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct			_				
performing Pile Driving Analyzer (PDA) during construction, performing field resistivity imaging, and completing industrial facility inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construction during the test			•			,	
inspections. Mr. King also oversees several long-term geotechnical instrumentation monitoring programs where he assists technicians in gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000363 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test		1 -				_	
gathering and processing various types of instrumentation data. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test						-	
assessing safety of employees on the job site in accordance with OSHA where he was responsible for carrying out company safety standards and making any changes to ensure a safe and productive environment. SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test							
SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test				_			
evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. O1/15-Ongoing PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test				_			
construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. O1/15-Ongoing PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test	03/19-07/20	SP No. H.004100.5-2	2 / I-10 WIDEN	ING (LA415 TO HOWARD S	ST): East Baton Rouge Parish, LA. Assistant Project Engineer. I	Mr. King	
The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report. O1/15-Ongoing PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test		evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and					
preparation of a geotechnical data report. O1/15-Ongoing PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test							
O1/15-Ongoing PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test							
for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge. SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test							
10/18-01/20 SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test	01/15-Ongoing						
boring logs and CPT soundings in LADOTD format. Assisted with development of the data report. 10/18-Ongoing SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test	10/10 01/20				·		
SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test	10/18-01/20				· · · · · · · · · · · · · · · · · · ·	icea soii	
Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test	10/19 Ongoing						
provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test	TO/ TO-OHROHIS	· ·	· · · · · · · · · · · · · · · · · · ·			-	
Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test		_					
		pile program.					

07/24 0 :	
07/21-Ongoing	SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Assistant Project Engineer. Assists in
	engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope
	stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk
	(CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from
	LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE
	INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Assistant Project Engineer. Assists in engineering
	design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses
	and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges
	throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-01/22	SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Assistant Project Engineer. Assisted with all aspects of this project
	pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey
	transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were
	completed from a marsh buggy over shallow water and thick marsh grass. He also assisted with the laboratory testing program, processing
	and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data
	report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase
	of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-
	210 interchange and various other interchanges including entrances, exits and service roads.
	210 interchange and various other interchanges including entrances, exits and service roads.

Firm employed by	r: Ardaman & Associates, Inc.					
Name Ross McC	Gillivray, PE		Years of relevant experience with this employer	25		
Title PRINCIPAL	ENGINEER		Years of relevant experience with other employer(s)	29		
Degree(s) / Years	/ Specialization	BCE / 1966 / Civil Engineer	ing			
		MS / 1968 / Civil Engineeri	ng (Soil Mechanics)			
Active registration	n number / state / expiration date	17920 / FL / 02-28-2023				
Year registered	1998 Discipline	Civil				
Contract role(s) / l	prief description of responsibilities	Contract Role: Principal En	-			
Experience dates			ontract; i.e., "designed drainage", "designed girders", "d	lesigned		
(mm/yy-mm/yy)	intersection", etc. Experience dat	1				
	, , ,		n, Mr. McGillivray provides technical review and consultation on			
		· •	erials engineering for port facilities, pavement systems, earth st			
		•	nd remediation. He has provided engineering review or design on	projects		
	with Ardaman offices in Florida as w	ell as for offices in Baton Rou	ge and New Orleans, Louisiana.			
	Mr. McGillivray managed the operat	ions of the soil mechanics lab	oratory as a Research Engineer at MIT from 1968 to 1970, and co	nducted		
	-		oducts while at MIT, He worked as a staff engineer on projects			
		-	nc. of Cambridge, Massachusetts, including the evaluation of soil			
	, , ,		tral' project in Caracas, Venezuela and the development of a per	-		
			ivray was the branch geotechnical and materials engineer for Pi			
	, ,		rised the completion of site exploration programs for building four			
		,	hosphate processing from 1972 to 1974. He founded ARMAC Er on and remediation, mine slope stability and earthen dam proje			
			· · · · · · · · · · · · · · · · · · ·			
joined Ardaman & Associates, Inc. in 1996 as a Senior Engineer, working on mining, building foundation and bridge for 09/01 – 11/01 I-10/12 Sound Walls, Wall 6-Design Lateral Load Test on Drilled Shafts / Sound Wall Shaft CLS Evaluation, Baton						
33,62 ==,62	Engineer. Mr. McGillivray performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and					
	performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses					
	performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Mr.					
	McGillivray also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when					
	procedures were accepted by LADOTD for the project.					
07/18 – Ongoing			se Access Road, Bossier Parish, LA SP No. H.003370. Principal E	-		
	, ,	•	aft Load Tests and Static Capacity for this Design Build project co	-		
	of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from I-20 in Shreveport,					
	Louisiana.					

7/15 –Ongoing	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange), Lafayette Parish, LA, SP No. H.004273.5. Principal Engineer.
, 0	Mr. McGillivray helped review all of the geotechnical design including deep foundations, lateral load analyses, earth retaining structures in
	support of the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs,
	pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. Mr. McGillivray
	will help with review and preparation of the Phase 1 preliminary Geotechnical Design Report.
11/15 –Ongoing	MacArthur Interchange Completion Phase II Route US 90-Z Jefferson Parish, SP No. H.011309. Principal Engineer. Mr. McGillivray
	reviewed and evaluated the capacity of tip-grouted Drilled Shafts utilizing Cone Penetrometer Test (CPT) sounding data for Phase II of the
	MacArthur Interchange consisting of construction ramps entering and exiting Westbank Expressway.
5/05 – 11/05	I-10 Bridges over Escambia Bay, Pensacola, FL (AAI 05-40-1149) Principal Engineer. The I-10 bridge over Escambia Bay was damaged by
	Hurricane Ivan in 2004. The two bridges were three lanes, 2.6 miles long with 103 spans for each bridge. Ross T. McGillivray, PE (FL)
	worked as the Lead Geotechnical Engineer with Ardaman's Tallahassee, Florida office for the design of foundations for the replacement
	bridges. The project was the first project since 1972 in Florida to use 36-inch voided Prestressed Concrete Piles. The soil conditions
	consisted of deep, soft silt and clay sediments over loose sand underlain by medium dense to dense sand. Driving criteria were established
	for two different pile hammers with maximum driving energy of 150 kip-ftlbs. but with ram weights of 30 and 60 kips. Wave Equation
	Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Both Vertical and Lateral
	Load tests were performed for the project, with good correlation between the Vertical Load test results and the Static Capacity and
	PDA/CAPWAP analyses. Lateral load performance analyses showed that the soils strengths projected from Cone Penetrometer Tests were
- / /	required to model the results of the load test.
6/09-2/10	SR 686 Overpass Bridge, St. Petersburg, Florida, 2009-10 (AAI 0-55-9627) Principal Engineer. The SR 686 Overpass Bridge is 1,500 feet in
	length and crosses over a solid waste landfill with a slurry wall confinement and the in-situ clay stratum as a liner system. The initial
	foundation design by another firm consisted of 24-inch Prestressed Concrete Piles driven inside of 36-inch diameter steel casings, with the
	piles to be grouted into the casings. Ardaman & Associates, Inc. was asked to evaluate the foundation options and to provide an alternative foundation design for the project. Mr. Ross T. McGillivray, PE was the Lead Geotechnical Engineer for the project. He proposed using
	non-redundant drilled shafts to reduce the number of penetrations of the underlying clay stratum confining stratum. The additional
	foundation explorations included rock coring and Pressure Meter Testing in the intermediate geo-material (weathered limestone)
	underlaying the site. The results of Unconfined Compression Tests and Split Tensile tests on rock cores were analyzed with the results of
	the Pressure Meter Tests to optimize the design of the drilled shafts. The final design consisted of 36, 48 and 60-inch diameter drilled
	shafts. Two load tests were specified using the Osterberg Cell (O-Cell), each with a 2-inch Styrofoam toe to allow measurement of the
	fully mobilized skin friction on the shaft above and below the O-Cell. Ardaman performed pilot borings at each drilled shaft for final design,
	and inspected the installation of all the drilled shafts for the project.
07/21-Ongoing	SP No. H.004100.5 / I-10: LA 415 TO ESSEN LANE ON I-10 & I-12 (CMAR) Baton Rouge Parish, LA. Project Engineer. Leads technical reviews
	of pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-
	structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project
	which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West
	Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.

16. Staff Experies				
Firm employed b				
Name Julian "J	im" Porter	Years of relevant experience with this employer 48		
Title DRILLING	SUPERVISOR	Years of relevant experience with other employer(s) 4		
Degree(s) / Years	s / Specialization	Attended LSU / USL 1969 - 1970		
Active registration	n number / state / expiration date	Water Well Driller's License No. WWC-212 / LA / 6-30-23		
		Traffic Control Supervisor Refresher / LA / 9-6-2023		
		DOTD Flagger / LA / 3-10-2024		
Year registered	Discipline			
	brief description of responsibilities	Contract Role: Drilling Supervisor		
Experience dates (mm/yy-mm/yy)		levant to the proposed contract; <i>i.e.</i> , "designed drainage", "designed girders", "designed es should cover the time specified in the applicable MPR(s).		
	primarily in the State of Louisiana. assessments. These projects have in inclinometer installations, settlement and utilizing specialized drilling equip. Mr. Porter has guided as many as 10 paper mill. He has been acknowledg 1985 for Soil Borings and Water Well techniques, soil boring abandonment, is still involved with most of the CPT of	experience in performing soil borings and monitor well installations throughout the Southeastern U.S., He has overseen thousands of projects pertaining to geotechnical and environmental engineering included performing soil borings on land and over water, Cone Penetrometer (CPT) soundings, slope at plate installations, two-stage field permeability testing, geotechnical instrumentation installation, ament for difficult access sites. In drilling rigs with crews on projects ranging from two soil borings to a \$600 million-dollar grass roots and by the Water Resources Section of the LADOTD for his contributions to the guidelines adopted in all Installation Procedures. Mr. Porter has assisted both the LADOTD and the LADEQ regarding drilling and Geoprobe sampling. Mr. Porter was involved with our initial investment in CPT technology. He operations. He has personally performed CPT soundings on numerous projects since 1990. Obridge investigation projects. He has arranged right of entry, utility locations, site clearing, arranging affic control/crew safety, and coordinating between engineering staff and drill crew.		
07/15-Ongoing	SP NO. H.004273.5 / I-49 CONNEC	TTOR, GEOTECHNICAL INVESTIGATION: Lafayette Parish, LA. Drilling Supervisor. Supervised the tigation consisting of 116 deep and shallow borings and 15 cone penetrometer test (CPT) soundings.		
04/14-Ongoing	SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241: St. Tammany Parish, LA. <i>Drilling Supervisor</i> . Oversaw the completion of 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings and sampling along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2.			
08/08-02/12	SP NO. 700-09-0166 & H.003886.5 /	I-49 SEGMENTS E-J: Caddo, LA. <i>Drilling Supervisor</i> . Conducted field reconnaissance, which included ess and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow		
02/12-11/13		I-220 TO MLK): Caddo Parish, LA. <i>Drilling Supervisor</i> . Conducted field reconnaissance, which included ess and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow standards.		

10/09 - Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Drilling Supervisor. Mr. Porter assisted with many aspects of this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. He was instrumental in designing and installing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. Currently, he is assisting with a phase of the project that includes upgrading the entire instrumentation communication system and will be monitoring this system continuously.
04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. <i>Drilling Supervisor</i> . Assisted with all aspects of this project pertaining to coordination of fieldwork including 31 deep soil borings. Some of these borings were performed through the middle of bridges and at hard access locations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-01/22	SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. <i>Drilling Supervisor</i> . Assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
03/19-07/20	SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. <i>Drilling Supervisor</i> . Helped manage and oversee all aspects of an extensive field investigation program which included 58 deep soil borings and 11 cone penetrometer (CPT) soundings for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile.
10/18- 01/20	SP NO. H.000263.5-1 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. <i>Drilling Supervisor</i> . Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ardaman also developed soil boring logs and prepared a geotechnical data report.

Firm employed by	: Ardaman & Associat	tes, Inc.			
Name Robert R	ousset, PE		Ye	ars of relevant experience with this employer	16
Title PROJECT E	NGINEER / NEW ORLEANS B	BRANCH MANA	SER Ye	ars of relevant experience with other employer(s)	0
Degree(s) / Years	/ Specialization		BS / 2008 / Civil Engineering		
Active registration	n number / state / expira	ation date	38637 / LA / 9-30-2022		
Year registered	2014 I	Discipline	Civil		
Contract role(s) / l	prief description of resp	onsibilities	Contract Role: Project Engineer	•	
Experience dates				act; i.e., "designed drainage", "designed girders", "	designed
(mm/yy-mm/yy)		1	s should cover the time specifi	11 ()	
	I .			ind as project manager for various geotechnical engineerin	
	I .	-	•	anaged projects that have included pile and drilled shaft fou	
	-	-		y. Mr. Rousset also has extensive experience with all aspe	
). Mr. Rousset also achieved Intermediate Level Certificatio	n for High
07/44 05/40			<u> </u>	on for Dynamic Measurement and Analysis Proficiency.	N Duningt
07/14-05/18			-	41 (LA 435 TO LA 40/LA 41): St. Tammany Parish, LA	•
	_		_	hich included 26 soil borings, sampling, and laboratory testreek. Oversaw geotechnical analyses and preparation	
				slabs and pile foundations for the bridge structures and	- 1
	foundation design for the		aca pile supported approach	and the pile roundations for the bridge structures and	a shahow
05/12-03/13			BRIDGE ROUTE LA 45: Lafitte, LA	. Assistant Project Engineer. Managed geotechnical investi	gation for
	the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling				
	equipment under difficult access conditions. Assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.				
07/09-08/11	SP NO. 700-29-0112 / L	LA 1 – PHASE	L: Lafourche Parish, LA. Assistan	t Project Engineer. Served in the field as onsite engineer	for Phase
				nsisted of 17 miles of elevated roadway with low-level br	-
	medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Conducted dynamic				
			<u> </u>	ogs, and supervised field technicians.	
03/11-02/12				oject Engineer. Mr. Rousset planned the geotechnical inv	- 1
	'			boratory test results, classified soil types based on laborat	tory tests,
00/00 43/00	and compiled soil borin			Tanimaan Danfannaad DDA taatina are san attaasaad are san	
08/09-12/09	I .	ast Baton Kou	ge Parisn, LA. Assistant Project E	Engineer. Performed PDA testing on pre-stressed, pre-cast	concrete
	piles for various bents.				

03/19-07/20	SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Project Engineer. Ardaman's scope of work for this project consisted of evaluating laboratory test results, including consolidation testing, and producing soil boring logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity geophysical surveys, associated laboratory testing and the preparation of a geotechnical data report. Mr. Rousset assisted with the fieldwork portion of this project.
2020 - Ongoing	RURAL BRIDGES REPLACEMENT INITIATIVE: Avoyelles and Webster Parishes, (Multiple SP No.'s) Project Engineer. This project consisted of the replacement of multiple small rural bridges throughout Central and North Louisiana. He oversaw the field investigation, lab testing, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses.

Firm employed by	y: Ardaman & Associates, Inc.					
Name Chandle	r Willis	Years of relevant experience with this employer				
Title LABORATO	DRY MANAGER	Years of relevant experience with other employer(s)				
Degree(s) / Years	/ Specialization	BS / 2004 / Marketing				
Active registration	n number / state / expiration date	NICET / Generalist, Laboratory No. 135280 / Exp. 11-01-2024				
		Traffic Control Technician / LA / 12-1-2024				
		Traffic Control Supervisor / LA / 12-3-2024				
Year registered	Discipline					
	brief description of responsibilities	Contract Role: Laboratory Manager				
Experience dates	1	evant to the proposed contract; i.e., "designed drainage", "designed girders", "designed				
(mm/yy-mm/yy)		s should cover the time specified in the applicable MPR(s).				
	1	ager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Profession				
	,	s operations of our AMRL Certified, and DEQ Accredited USACE-validated laboratory and performs a				
	, ,	ents, organizes and schedules testing, trains and develops technicians, and supervises four full-tin				
		ns. Mr. Willis is experienced in conducting soil mechanics laboratory testing in accordance wi				
	1	testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size, Sieve Testin				
		er tests, Moisture Content, Permeability Testing and Strength testing (Unconfined, Unconsolidate				
	Undrained Triaxial (UU), Direct Shear (DS), Consolidated Undrained (CU)). In addition, Mr. Willis has experience running field resistivity imaging using state of the art equipment that provides 2D and 3D geophysical survey transects.					
10/18-01/20		JR PASS BRIDGE AND APPROACH: Orleans Parish, LA. Laboratory Manager. Supervised and assiste				
10/10-01/20		laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classificatio				
		l Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Si				
	Analysis (Hydrometer), and UU Strength Tests. Assisted in performing field resistivity testing along the alignment.					
10/15-Ongoing						
, , , , , ,	completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines					
	Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer),					
	Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests.					
11/15-Ongoing	SP NO. H.011309 / MACARTHUR INTERCHANGE COMPLETION PHASE 2, ROUTE US 90-Z: Jefferson Parish, LA. Laboratory Manager.					
	Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content					
	and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation,					
	Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.					
04/14-Ongoing		EGMENT 2, LA 3241: St. Tammany Parish, LA. Laboratory Manager Supervised and assisted wi				
		atory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fin				
	•	eability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analys				
	(Hydrometer), and UU Strength Tests	•				

05/12-03/13	SP NO. H.002260.5 / GOOSE BAYOU BRIDGE GEOTECHNICAL INVESTIGATION, ROUTE LA 45: St. Tammany Parish, LA. Laboratory
	Manager. Project subconsultant to T. Baker Smith, the third segment, LA 435 – LA 40/LA 41 included 26 soil borings, sampling, and
	laboratory testing along with engineering analyses along an alignment that includes one bridge LA 435 over Talisheek Creek.
10/09-Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Laboratory Manager. Supervised and assisted with
	completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines
	Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unconfined Compressive Test and
	Unit Weight, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests and
	Consolidated-Drained Direct Shear Tests.
04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / RURAL BRIDGE
	INITIATIVE PHASE II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Laboratory Manager. Ardaman's scope of work
	for this project consists of geotechnical engineering pertaining to selection of design reaches, geotechnical design of pile foundations,
	drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the
	replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100
	to 400 feet, mainly over small rivers and creeks. Mr. Willis managed all aspects of the laboratory program for this project.
03/19-07/20	SP No. H.004100.5-2 / I-10 WIDENING (LA415 TO HOWARD ST): East Baton Rouge Parish, LA. Laboratory Manager & Senior Field
	Technician. Ardaman's scope of work for this project consisted of evaluating laboratory test results, including consolidation testing, and
	producing soil boring logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and
	ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation
	included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity geophysical surveys, associated laboratory
	testing and the preparation of a geotechnical data report. Mr. Willis assisted with all aspects of the laboratory program for this project as
	well as completion of the electrical resistivity surveys along the alignment.

Firm employed by		ciates. Inc.			
1 , ,	oodward, PE	0.0000, 1.10.		Years of relevant experience with this employer	4
Title PRINCIPAL	· · · · · · · · · · · · · · · · · · ·			Years of relevant experience with other employer(s)	36
Degree(s) / Years	/ Specialization		BS / 1982 / Civil Engineerin MS / 1986 / Civil Engineerin MS / 2019 / Risk Managen	ng ng	
Active registration	n number / state / exp	oiration date	24206 / LA / 9-30-2023		
Year registered	1991	Discipline	Civil		
Contract role(s) / 1	brief description of re	esponsibilities	Contract Role: Principal Er	gineer	
Experience dates (mm/yy-mm/yy)	intersection", etc.] Mr. Woodward is the	Experience date e Principal Engin	es should cover the time speer of our New Orleans offic	ontract; <i>i.e.</i> , "designed drainage", "designed girders", " secified in the applicable MPR(s). e, overseeing and reviewing work of Professional Engineers and	l Assistant
	includes but are not i	limited to slope s	tability, seepage, settlemen	mily homes to large industrial and government civil projects. Th t, pile capacity, down drag, dewatering, excavations, etc. eputy Chief of the Geotechnical Branch and Levee Safety Program	·
	and drilled shaft found drains, dewatering sy shallow and deep bo	ndations, shallow ystems, settleme rings, CPT sound ral engineer for s	foundations, static and dynd nt, seepage and slope stabil lings geophysical surveys, an	ect manager for numerous geotechnical engineering projects inclandic pile testing, ground improvement, deep excavations, relief vity. He has coordinated many geotechnical field investigations, diperformed analyses and prepares design recommendation rejuithin the Hurricane and Storm Damage Risk Reduction System	wells, wick including ports. He
07/18-Ongoing	Engineer. This Design	n Build project co n Interstate 20 in	onsisted of direct access to In Shreveport, Louisiana. Mr.	BARKSDALE AIRFORCE BASE ACCESS ROAD: Bossier Parish, LA. terstate I-20 from the Barksdale Air Force Base (BAFB) and an int Woodward provided quality assurance for this project, reviewin	terchange
05/18-09/19	oversight for this pro the Bogue Falaya Riv lanes of southbound	oject which includer will be constructed traffic. The new	des the widening of US 190 tucked adjacent to, and east c	mmany Parish, LA. Principal Engineer. Mr. Woodward provided to a four-lane boulevard between US 437 and US 190. A new brown of, the existing bridge. The existing bridge will remain and function with three 12-foot travel lanes for 2 northbound traffic with an existing bridge.	ridge over on as two
06/16-07/16	decision maker as Ch	nief of Structura		VENUE PAVING: Orleans Parish, LA. Chief of Structural Design. s, for asphalt or concrete paving, looking at factors such as coronstruction duration, etc.	

05/18-Ongoing	SP NO. H.008226/ CHENIERE SPILLWAY & BRIDGE REPLACEMENT: Ouachita Parish, LA. Senior Geotechnical Engineer. Mr. Woodward serves as the Principal Geotechnical Engineer for this project which includes the replacement of the current damaged spillway and bridge structure in Ouchita Parish, Louisiana. The scope of the proposed spillway and bridge replacement project involves demolishing the existing spillway and bridge and replacing them with a larger spillway northeast of the existing spillway and replacing the spillway with a drawdown structure. Mr. Woodward oversaw geotechnical design, reviewed contractor submittals and requests for information during ongoing construction.
2020 - Ongoing	RURAL BRIDGES REPLACEMENT INITIATIVE: Avoyelles and Webster Parishes, (Multiple SP No.'s) Project Engineer. This project consisted of the replacement of multiple small rural bridges throughout Central and North Louisiana. He provided oversight of the field investigation, lab testing, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses.
05/18-08/19	SP NO. H.011152.5/ I-12 WIDENING (US 190 to LA 59): St. Tammany Parish, LA. Principal Engineer. Mr. Woodward provided technical oversight for this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. Soil boring logs were created in LADOTD format. Mr. Woodward provided oversight for an effort to perform additional soil borings, lab testing and engineering analyses for a retaining wall for one of the bridge abutments.
05/18-07/18	IMTT ACCESS ROAD PAVEMENT, AVONDALE: Jefferson Parish, LA . <i>Principal Engineer</i> . Served as senior engineer for 2,200-foot long x 50 - foot wide rigid and flexible roadway design for AASHTO loading per LADOTD guidelines, including subsurface exploration and testing, California Bearing Ratio, subbase material and thickness recommendations, wearing course thicknesses, and construction recommendations.

Firm employed by: Traffic Control Products Company of Louisiana, Inc. Name Glen Eggers Years of relevant experience with this employer	•								
Name Glen Eggers Years of relevant experience with this employer									
	.33								
Title ESTIMATOR Years of relevant experience with other employer(s)	37								
Degree(s) / Years / Specialization BA / 1978 / Business Administration, Louisiana State University									
Active registration number / state / expiration date N/A									
Year registered N/A Discipline N/A									
Contract role(s) / brief description of responsibilities									
Experience dates Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "des	igned								
(mm/yy-mm/yy) intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).									
Mr. Eggers brings more than 38 years of experince to the traffice field. He has prepared reliable, detailed, and well-documented co	st								
estimates and bid proposals for various projects. He schedules, coordinates, and supervises the overall delivery and installation traf									
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.									
2022 – Present Traffic Control Products of Louisiana									
2009 – 2022 Traffic Solutions									
2008 – 2009 QPL									
2007 – 2008 Highway Technologies									
2006 – 2007 United Rentals									
1886- 2006 Work Zone, LLC									
1984 – 1986 Hy-Co Safety Lights									

Firm employed by: Traffic Control Products Company of Louisiana, Inc.							
Name Ray A. Bi	lliot			Years of relevant experience with this employer			
Title PROJECT	MANAGER		Years of relevant experience with other employer(s)				
Degree(s) / Years	/ Specialization		General Studies / 2004 / C	onstruction Management			
Active registration	n number / state / exp	iration date	N/A				
Year registered	N/A	Discipline	N/A				
Contract role(s) / 1	orief description of re	esponsibilities					
Experience dates	Experience and qu	ualifications rel	levant to the proposed c	ontract; i.e., "designed drainage", "designed girders", '	'designed		
(mm/yy-mm/yy)	intersection", etc. 1	Experience date	es should cover the time sp	pecified in the applicable MPR(s).			
07/17 – Current	Project Manager / Es	timator, Traffic (Control Products Company C	Of Louisiana			
11/16 – 07/17	Project Supervisor / I	Foreman, Ozark S	Safety Services – Montgome	ery, LA			
11/14 – 10/16	Manager / Estimator	, Work Zone, LLC					
4/13 – 11/14	Manager / Estimator	, Specialty Demo	lition – New Orleans, LA				
09/09 – 04/13	General Superintendent, Command Construction, LLC – Metairie, LA						
09/03 – 06/09	Project Superintende	ent / Estimator, C	Construct-Rite Construction,	LLC – Holden, LA			
01/95 – 08/03	Project Superintende	ent, United Renta	als Highway Technologies – I	Baton Rouge, LA			

TOT STUTE EMPETICAL		
Firm employed by	7: Traffic Control Products Company	y of Louisiana, Inc.
Name Nathan E	Billiot	Years of relevant experience with this employer 3
Title PROJECT I	MANAGER / ESTIMATOR	Years of relevant experience with other employer(s) 26
Degree(s) / Years	/ Specialization	N/A
Active registration	n number / state / expiration date	N/A
Year registered	N/A Discipline	
Contract role(s) / 1	brief description of responsibilities	
Experience dates	Experience and qualifications re-	levant to the proposed contract; i.e., "designed drainage", "designed girders", "designed
(mm/yy-mm/yy)	intersection", etc. Experience date	es should cover the time specified in the applicable MPR(s).
02/19 – Current	Project Manager / Estimator – Traffic	Control Products Company of Louisiana
08/09 – 02/19	Project Manager / Senior Estimator,	, Command Construction Industries, LLC - Metairie, LA – Responsible for day to day operations of
		projects ranging from 1 to 5 million dollars installing permanent highway signage and guard rail
	installations statewide	
06/09 – 09/09		on Construction – Gretna, LA – Estimated and managed commercial building projects COast Guard
	Station Algiers, LA, Concessions facili	•
05/07 – 06/09		ruct-Rite Construction, LLC – Holden, LA- Managed commercial building projects for state and local
20/05 25/25	governments.	
09/96 – 05/07		ed Rentals Highway Technologies – Baton Rouge, LA – Duties consisted of managing day to day
		10 in Baton Rouge installing 5 million dollars of overhead sign installations, guard rail maintenance
04/05 00/05		entor and trainer implementing Rental Man software in several district locations nationwide.
04/86 – 09/96	_	/Captain) – two-year appointment to serve on the Gulf of Mexico Fisheries Management Council for
	the state of Mississippi	

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

Firm name	Ardama	n & Associate	es, Inc.	Past Performa	Past Performance Evaluation Discipline(s)*	
Project name	Rural Bridge Initiative Phase II	(113-21-80-3711)		Firm responsi	bility (prime or sub?)	Sub
Project number	SP No. 700-29-0112,	Owner's na	ame LADOTD			
	700-29-0130					
	H.012565, H.012891,					
	H.014251, H.014252,					
	H.014253, H.014254,					
	H.014256, H.014257					
Project location	West Feliciana, East Feliciana	, Livingston,	St. Bernard Owner's Proj	ect Manager	Amanda Ranck	
	Parish, LA					
Owner's address,	ohone, email 1201 Capitol A	ccess Road, B	aton Rouge, LA; 225.379.1338	3; Amanda.Ranck	@la.gov	
Services commend	eed by this firm (mm/yy)	04/21 7	Total consultant contract cos	st (\$1,000's)		\$5,332
Services complete	d by this firm (mm/yy)	Ongoing (Cost of consultant services p	provided by this	firm (\$1,000's)	\$460

PROJECT DESCRIPTION

This project consisted of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana (Districts 02, 03, 07, 61, and 62) which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.

Ardaman was retained by the LADOTD through a Civil Engineering Prime at the beginning of the project in 2020. Our portion of work on the project began in early 2021 and the project is currently ongoing. The scope of services include:

- Geotechnical field exploration (field reconnaissance, utility location, mobilization/demobilization, GPS location/elevation); consisting of 31 borings to about 110 ft. below existing ground surface or pavement surface.
- Geotechnical laboratory testing services;
- Geotechnical design and construction testing program recommendations.



In addition to the vast scope of field investigation that included deep borings and laboratory testing, the scope of services for this project also included pile foundation design, slope stability, drivability, and settlement analyses to be provided in multiple geotechnical design reports.

FIRM MEMBERS

Robert Jewell, Megan Bourgeois, Dr. Albert Ayenu-Prah, Jarmon King, Jim Porter, Chandler Willis

Firm name	Ardaman & Associates, Inc.					Past Performance Evaluation Discipline(s)*		s)*	Geotech	
Project name	I-20 Mississip	pi River Brid	ge Review				Firm responsibi	Firm responsibility (prime or sub?)		Prime
Project number	SP No. H.00464	16 09-L1049	Owner's r	name	LADOTD					
-	H.010603.6 13	-3720								
	H.010612.6 20	-3729								
Project location	Madison Par	ish, LA				Owner's Pro	oject Manager	Chris Nickel		
Owner's address,	phone, email	1201 Capitol	Access Road	l, Baton	Rouge, LA	; 225.379.110	00; Chris.Nickel@la	a.gov		
Services commenced by this firm (mm/yy) 10,				Total consultant contract cost (\$1,000's)				7,326		
				Cost	Cost of consultant services provided by this firm (\$1,000's)				7,326	

PROJECT DESCRIPTION

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has

retained several consultants who have studied the problem, but no viable solution was identified.



Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining extremely sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation such as Shape Accelerator Arrays,

inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses.

his cal for ng ric all ng cal ys, nd

As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

Ardaman is currently managing a phase of the project which involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspects of the site and monitoring changes in topography by obtaining periodic survey data.

FIRM MEMBERS

Megan Bourgeois, Robert Jewell, Ross McGillivray, Dr. Albert Ayenu-Prah, Robert Rousset, Jim Porter, Chandler Willis, Chae Hrenyk

Firm name	Ardam	an & Associates, Ir	ıc.	Past Perfo	Past Performance Evaluation Discipline(s)*		
Project name	I-10: LA 415 to Essen Lane	on I-10 & I-12 (C	CMAR)		Firm responsibility (prime or sub?)		
Project number	SP No. H.004100.5	Owner's name	LADOTD				
Project location	East Baton Rouge Parish, L	A	Owner's	s Project Mana	ger Nicholas Olivier		
Owner's address,	phone, email 1201 Capitol	Access Road, Bato	on Rouge, LA; 225.379	.1133; nicholas	.olivier@la.gov		
Services commenced by this firm (mm/yy) 07/21 Total consulta				t cost (\$1,000'	s)	\$20,800	
				ees provided by	y this firm (\$1,000's)	\$692	

PROJECT DESCRIPTION

The Construction Management at Risk (CMAR) project scope consists of widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 mile. Ardaman is the Geotechnical Consultant on the CMAR team and is currently providing geotechnical support for Segment 1 which starts near the I-10 and I-110 split between Napoleon and St Joseph Streets to Acadian Thruway entrance and exit ramps.

Ardaman previously completed 58 soil borings and associated laboratory testing based on LADOTD standards, and 11 electronic cone penetration tests (ECPT) in the preliminary portion of the widening project between Napoleon Street and Louise Street under our current retainer contract in support of the project. In addition, Ardaman performed geophysical surveys along the entire alignment, which allowed for survey of the subsurface conditions between the boring locations. Ardaman is currently performing 37 additional soil borings along the Segment 1 area to supplement existing data along the alignment.



Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile and analyze all the supplied soil boring data provide by LADOTD and the additional borings that are currently being performed. The engineering analyses consist of detailed selection of design reaches and design soil parameters, slope stability and settlement of earth retained structures, soil-structure interaction with existing structures, deep foundation design, and load testing recommendations. A preliminary geotechnical assessment report was prepared, and a final geotechnical design report will be submitted.

FIRM MEMBERS:

Robert Jewell, Megan Bourgeois, Ross McGillivray, Dr. Albert Ayenu-Prah, Jarmon King, Robert Rousset, Mark Woodward, Jim Porter, Chandler Willis

Firm name	Ardama	n & Associates,	, Inc.	Past Performa	s)* Geo	otech	
Project name	I-10 Calcasieu River Bridge			Fir	Firm responsibility (prime or sub?)		
Project number	SP No. H.003931	Owner's nan	ne LADOTD				
Project location	Project location Calcasieu Parish, LA				Kristy Smith		
Owner's address,	phone, email 1201 Capitol	Access Road, B	aton Rouge, LA; 225.379.138	37; Kristy.Smith	@la.gov		
Services commenced by this firm (mm/yy) 07/21			Total consultant contract cost (\$1,000's)			\$1	1,695
Services complete	ed by this firm (mm/yy)	01/22 C	ost of consultant services	provided by thi	s firm (\$1,000's)	\$1	1,695

PROJECT DESCRIPTION

Ardaman conducted a Geotechnical Investigation to provide preliminary field data to be used in the design phase of a project that consists of replacing the existing I-10 Calcasieu River Bridge with a new structure. The proposed alignment of the project is approximately 9 miles in length and includes improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.

Ardaman's scope of work for this phase of the project included drilling and laboratory testing of a total of 37 deep soil borings to depths up to 220 feet below ground surface and 39 ECPTs to depths up to 80 feet below ground surface, most with difficult access. Additionally, 13 electrical resistivity (ER) geophysical survey transects up to 1,100' feet in length were performed along the alignment producing soil profiles with depths up to 219 feet below ground surface.

A total of 23 of these soil borings were performed while the drill rig was mounted on a barge in water depths up to approximately 40 feet. A total of 4 of these soil borings were completed from a drill rig mounted onto a marsh buggy in shallow water depths with thick marsh grass. A detailed safety plan was developed and adhered to throughout drilling



operations. Additionally, coordination and permits with the US Coast Guard was completed in order to gain access to some of the soil boring locations while others (along with the ER surveys) located within LADOTD right-of-way near the interstate had to be coordinated with the local LADOTD district office, LA State Troopers and a certified Traffic Control Contractor.

Laboratory testing which was performed based on LADOTD standards included strength, appropriate classification testing and consolidation testing. Engineering services included supervision of the field program, development of the laboratory testing program, quality control review, development of a geotechnical database and preparation and submittal of a geotechnical data report including soil boring logs, ECPT sounding logs in the LADOTD format and soil profiles.

FIRM MEMBERS

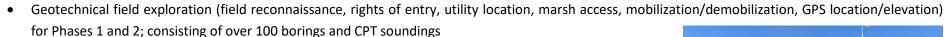
Robert Jewell, Megan Bourgeois, Dr. Albert Ayenu-Prah, Robert Rousset, Jarmon King, Chandler Willis, Chae Hrenyk, Jim Porter,

Firm name	Ardaman & Associates, Inc.						Past Performance Evaluation Discipline(s)*			(s)*	Geotech
Project name	LA-1 Phases 1	and 2					Firm responsibility (prime or sub?)			sub?)	Prime
Project number	SP No. 700-29- 29-0130	0112, 700-	Owner's n	ame	LADOTD						
Project location	Port Fourchon to Leeville; and Leeville to Golden Meadow, LA				Owner's Proj	ject Manaş	ger	Ching Tsai (Phase I) Timothy Nickel (Phase 2)			
Owner's address,	phone, email	1201 Capitol	Access Road	, Baton	Rouge, LA	٦; 225.379.1100); Timothy.	Nickel@	@la.gov		
Services commenced by this firm (mm/yy) 01/03 Total consultar				consultar	nt contract cost	t (\$1,000's	s)			\$3,400	
				ant services pr	rovided by	y this f	irm (\$1,000's)		\$3,400		

PROJECT DESCRIPTION

The project consisted of the construction of a replacement highway between Port Fourchon and Golden Meadow, Louisiana consisting of 17 miles of elevated roadway with pile supported approaches, low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Once completed, the new highway will be almost as long as the Pontchartrain Bridge near New Orleans, generally regarded as the world's longest bridge. Ardaman faced an additional challenge of drilling in the sensitive marsh environment under jurisdiction of LA's Dept. of Natural Resources. This concern was addressed by developing an environmentally sensitive drilling program that included custom designing airboats mounted with drilling equipment.

Ardaman was retained by the LADOTD at the beginning of the project in 2003 and was involved through the end of 2011. The scope of services included:



- Geotechnical laboratory testing services for Phases 1 and 2;
- Geotechnical design of Phase 1; and
- Pile quality assurance testing and resistance verification services during construction of Phase 1, consisting of over 400 piles.

In addition to the vast scope of field investigation that included deep borings, shallow borings and ECPT soundings and laboratory testing, the scope of services for this project also included pile foundation design, testing, and inspection services.

FIRM MEMBERS:

Robert Jewell, Megan Bourgeois, Robert Rousset, Jim Porter



Firm name	Traffic Control Products Co of LA, Inc.				Past Performance Evaluation Discipline(s)*				Traffic
Project name	LA 1 – LA 413 &	415					Firm responsib	ility (prime or sub?)	Sub
Project number	713-01-00100 -	Temporary	Owner's n	ame	LADOTD				
	signs and Barric	ades for							
	Project H.013747								
Project location	Pointe Coupe	e, LA				Owner's Pro	ject Manager	Ray Billiot	
Owner's address,	phone, email	1201 Capitol	Access Road	, Bato	n Rouge, LA	; 225.379.110	0; Ray.Billiot@la.	gov	
Services commenced by this firm (mm/yy) 04/21 Total				tal consultant contract cost (\$1,000's)			\$71		
Services complete	ed by this firm	(mm/yy)	Ongoing	Cost	of consult	ant services p	provided by this	firm (\$1,000's)	

PROJECT DESCRIPTION

This project consisted of lane closures and flagging operations according to Louisiana Department of Transportation & Developments Guidelines.

17. Firm Experience:

17. Thin Experience:									
Firm name	Traffic Control Products Co of LA, Inc.			Past Perfor	Past Performance Evaluation Discipline(s)*			Traffic	
Project name	LA 23 Tunnel Job				Firm responsib	ility (prime or sub?)	Sub		
Project number	713-01-00100 -	Temporary	Owner's	name	LADOTD				
_	signs and Barric	ades for							
	Project H.01256	50							
Project location	Plaquemines I	Parish, LA				Owner's Pro	ject Manager	Corbet Hollier	
Owner's address,	phone, email	1201 Capitol	Access Roa	d, Batc	n Rouge, LA	x; 225.379.110	0; Corbett.hollier	@la.gov	
Services commenced by this firm (mm/yy) 04/21 Total c			consultant	contract cost	t (\$1,000's)		\$322		
			Cost	of consulta	nt services pi	rovided by this fi	rm (\$1,000's)	\$322	

PROJECT DESCRIPTION

This project consisted of lane closures and flagging operations according to Louisiana Department of Transportation & Developments Guidelines.

17. Firm Experience:

Firm name	Traffic Control Products Co of LA, Inc. Past Performance Evaluation Discipline(s)*					(a)*	Tro	affic	
riiiii iiaiiie	Traffic Control Products	CO OI LA, IIIC.		rasi remon	mance Evalu	ation Discipline	(s)·	110	anne
Project name	US 90 @ LA 3046				Firm responsib	ility (prime or sub?)		Sub	
Project number	713-01-00100 – Tempor	ary Owner's	name	LADOTD					
_	signs and Barricades for								
	Project H.013757								
Project location	Jefferson Parish, LA				Owner's Pro	ject Manager	Kevin Rizzo		
Owner's address,	phone, email 1201 Ca	pitol Access Roa	d, Bato	n Rouge, LA;	225.379.110	0; kevin.rizzo@la.	gov		
Services commen	ced by this firm (mm/yy	7) 02/21	Total	consultant	contract cost	(\$1,000's)		\$	\$190
Services completed by this firm (mm/yy) Ongoing Cost of consultant services provided by this firm (\$1,000's)			rm (\$1,000's)	\$	\$190				

PROJECT DESCRIPTION

This project consisted of lane closures and flagging operations according to Louisiana Department of Transportation & Developments Guidelines.

18. Approach and Methodology:

Provide a description of how the work will be performed and provide the proposed project schedule. Include any additional information or description of unique resources that are planned to be used to produce the deliverables. Include any proprietary technologies, methods or approaches that will be used on this project to improve quality or efficiency. If the proposal is for an IDIQ contract, the consultant should review the scope of services in Attachment A to the advertisement to obtain a general understanding of what a typical task order would entail. Based upon that understanding, the consultant should provide a sample schedule that identifies the major milestones, deliverables, tasks, etc., to demonstrate sufficient understanding of a typical task order. The duration of the task order is not required. This section shall be limited to four pages. If more than four pages are included, all pages after the fourth page will not be evaluated.

Ardaman & Associates, Inc. (Ardaman) specializes in geotechnical engineering consulting including field investigations and laboratory testing, foundation evaluation and development of design criteria, geotechnical performance monitoring, and construction quality assurance inspection and testing. Ardaman brings a wealth of experience in the transportation and infrastructure arena with our long-standing relationship with the Louisiana Department of Transportation & Development (LADOTD). Ardaman maintains offices in Baton Rouge, New Orleans, and Shreveport, Louisiana.

Ardaman has conducted geotechnical exploration and investigations for roadway and bridge foundations for many decades. From public service projects, to private, commercial, and industrial structures, we are proud of our work and the development of transportation infrastructure throughout the State.

Our Louisiana operations include a staff of 68 professionals and support personnel that perform a wide variety of geotechnical investigations each year throughout the State. Virtually all these investigations include soil borings or some other type of field exploration method, field tests, laboratory tests, geotechnical engineering analyses, report preparation, and construction phase testing and/or instrumentation installation and monitoring.

Our field and laboratory staff, working under the direction of experienced professional engineers, are adept in sampling and testing the soft soils unique to much of Louisiana and are knowledgeable of LADOTD standards for geotechnical field exploration and laboratory testing standards and protocols.

Our geotechnical testing laboratories are operated under a certified quality assurance system implemented and maintained by engineers serving as on-site QA officers. All laboratory data is subject to quality control checks and is then processed electronically to generate soil boring logs and gINT database files in standard LADOTD format.

Each laboratory location is individually validated and/or certified by various accrediting bodies. Our Ardaman Baton Rouge laboratory is accredited by the American Association of State Highway and Transportation Officials (AASHTO) for methods under both AASHTO Materials Reference Laboratory (AMRL) and Cement and Concrete Reference Laboratory (CCRL), validated by the United States Army Corps of Engineers (USACE), and accredited by the Louisiana Environmental Laboratory Accreditation Program (LELAP) through the Louisiana Department of Environment Quality (LDEQ). All certificates pertaining to these accreditations including the appropriate scope of work under each accrediting body is included in Section 20 of this Form 24-102.

As part of maintenance of these laboratory accreditations, Ardaman's Baton Rouge laboratory staff currently includes four National Institute for Certification in Engineering Technologies (NICET) certified technicians and two American Concrete Institute (ACI) certified technicians.

Our company (and its predecessors) has been in Louisiana since 1964, and our staff has a cumulative total of more than 100 years of geotechnical investigation and design experience.

Some of our notable LADOTD project experience includes:

- I-10 Calcasieu River Bridge
- Rural Bridge Replacement Initiative Phase II
- I-10 Widening (LA 415 to Howard Street)
- I-10 CMAR: LA-415 to Essen Lane on I-10 and I-12
- I-20 Mississippi River Bridge
- LA 1 Improvements: Phases 1A, 1B, 1C, and 2 (Lafourche Parish, LA)
- I-49 Connector (Lafayette Parish, LA)
- MacArthur Interchange Completion II Route US 90Z

Ardaman has eight Louisiana Professional Engineers with specialized training and experience in geotechnical engineering. Seven of our Louisiana-based engineers hold Master of Science degrees in Civil Engineering (MSCE or equivalent) with two holding Doctor of Engineering degrees.

We are committed to providing the LADOTD with the quality of professional and technical services with constant commitment to the health and safety of the design team, contractors, owners, and the public. We have considerable experience managing and working on contracts of this nature.

Our Louisiana personnel and equipment are available to perform the work associated with this contract in a timely and competent fashion. Company-wide staff resources include a pool of more than 400 professionals, field and support staff who fully support our efforts and are available to assist should the need arise.

We have been recognized by both government agencies and private industry as a qualified, competent firm to perform geotechnical exploration, testing, and engineering services. Our staff has performed numerous projects for LADOTD under retainer contracts, direct project contracts, and as a subconsultant. We always maintained an excellent professional relationship with the Department. We have completed numerous projects involving exploration, laboratory testing, engineering work and construction phase testing and/or monitoring for LADOTD within budget and time constraints. We have maintained effective communication with

Department personnel so that we can adapt to any changes in site conditions, procedures, or scope of work.

We are in a position to service this contract's needs responsively. There are no significant project assignments that we anticipate conflicting with Ardaman performing the requirements of this retainer contract. We will meet any reasonable project demands and will meet or exceed LADOTD's quality requirements. Our current LADOTD workload is more than 68% complete to date.

For this contract, project management, field services, laboratory testing, and engineering will we managed by our Baton Rouge office, supported as necessary by our New Orleans and Shreveport offices. Additional resources, if needed, can be brought in from Ardaman's Florida offices who have extensive experience with FDOT transportation projects.

Geotechnical Exploration and Investigations

Ardaman has more than 40 years of experience working for LADOTD conducting geotechnical investigations. Together, we have performed numerous subsurface investigations for new and/or existing transportation structures, many of which include field reconnaissance (rights of entry, utility locations, access, GPS location, elevation determination, mobilization/ demobilization), water table elevations, deep soil borings, shallow roadway borings, cone penetrometer test (CPT) soundings, field resistivity imaging, geotechnical laboratory testing, development of field and laboratory results database, geotechnical analysis and design (slope stability, embankment settlement, pile foundations, drilled shaft foundations, pile-supported approach slab design, bridge foundation static and dynamic load test programs, earth retaining structures and culvert design), construction monitoring and geotechnical instrumentation installation and monitoring including developing programs detailing duration of reading, and installing and monitoring piezometers, inclinometers, electronic displacement monitoring instrumentation, settlement monitoring devices and other geotechnical instrumentation in all types of surface and subsurface conditions. Constructability of any proposed solution will always be considered when completing engineering design analyses. Also, our engineers have experience with evaluating and recommending innovative remedial measures such as ground improvement, load transfer platforms, lightweight fill, surcharge and/or wick drains if necessary to meet required design goals for a project.

Ardaman is also experienced with all of the conventional boring and sampling techniques, including: locating borings via GPS Latitude and Longitude, auger borings, sampling test pits, and testing and sampling utilizing the Standard Penetration Tests and Split Barrel Sampling of soils with equipment compliant with Standard Test Method for Energy Measurement for Dynamic Penetrometers. We conduct sampling using thin-walled 3-inch and 5-inch diameter (or larger) tubes and a variety of other undisturbed samplers. We also have the capability to perform *in-situ* field testing through the use of vane shear and CPT soundings. Ardaman is a licensed water well contractor in the State of Louisiana (WWC-212) and seals boreholes in accordance with LADOTD and LADEQ regulations (see Section 20 of Jim Porter's resume).

Our field services personnel consist of experienced and licensed soil boring and water well drillers. All boring spacing is conducted in accordance with the LRFD Bridge Design manual unless otherwise directed by LADOTD's Project Manager. Ardaman routinely completes projects ranging in scope from one to two borings to over 300 borings at a site. We maintain a fleet of hollow-stem and rotary drilling rigs (truck and ATV mounts) in Louisiana that possess a wide range of capabilities.

Equipment

- ARDCO K-1000 (2 rigs) Rigs set on all-terrain vehicles. These rigs can drill to over 200 feet in depth.
- **CME 75** (2 rigs) These powerful hollow-stem auger rigs also have washboring capabilities. They are truck-mounted and can drill to over 200 feet in depth.
- **CME 550** Buggy
- **Hydropunch Unit** (Geoprobe) This small, "push-technology" rig can obtain discrete soil or groundwater samples to depths of up to 50 feet.
- **GEOTECH Electronic Cone Penetrometer** Our Baton Rouge office has a custom-built truck-mounted ECPT unit.
- Airboat 14'x20'dual engine with top drive drill rig
- Airboat single engine personnel carrier

In addition to the above, Ardaman's Florida offices possess a fleet of more than 20 truck- and ATV-mounted drilling rigs, a barge-mounted drill rig, and ground penetrating radar. Ardaman also maintains a 20-ton ECPT rig in Orlando.

Because of the nature of Louisiana, many projects consist of performing soil borings over water or within difficult access areas. We have extensive experience accessing soil boring locations through the use of other types of equipment such as barges or swamp buggies in these types of conditions. Additionally, our ATV-mounted drilling equipment is ideally suited for sites with difficult access and can potentially negate or minimize the need for clearing.

Drilling and Sampling

We understand the importance of retrieving high quality undisturbed soil samples. Our field and laboratory personnel are routinely trained in techniques meant to minimize sample disturbance. These techniques are described in ASTM D-1587 as well as in various manuals. Our drilling equipment can be easily modified to handle undisturbed samples of all sizes and lengths. Many projects require non-standard samplers requiring the extrusion equipment to be modified as well. We have successfully adapted our equipment to complete such projects when needed.

Our field personnel are experienced in performing deep soil borings according to accepted LADOTD drilling methods and sampling frequencies for cohesive and cohesionless soils.

Shallow soil borings for subgrade soil surveys will be made utilizing continuous-flight augers and samples will be either extruded in the field or extruded and tested in the laboratory depending on the soil conditions and according to LADOTD requirements.

At the completion of each soil boring, the borehole will be sealed in accordance with applicable state or local requirements. Typically, shallow borings (less than 25 feet) are backfilled using cuttings from the boreholes. For deeper borings, a bentonite or cement-bentonite slurry is typically used for borehole abandonment. Proper borehole backfilling and abandonment is a regular task for our drill crews. The top of borehole will also be surveyed to gather Latitude, Longitude, and elevation to a vertical and horizontal accuracy of 6 inches or less. This information will be reported on the soil boring logs.

We are also experienced with projects requiring transport of undisturbed Shelby tube samples from the field to the lab as described in ASTM D 4220 for materials fitting the description for Group C. Sample tubes will be transported vertically in the same orientation as they were sampled, with care taken to avoid excessive temperature variation, vibration, or any other sample disturbance. Our laboratory facilities are equipped with hydraulic piston sample extruders. This method is the *only* method that we allow for extrusion – samples are never extruded by pressurized water. Samples will be extruded directly onto a sample trough and will not be caught with the hands.

Ardaman has a custom truck mounted CPT rig built such that can provide 20 tons of reaction. The senior technicians responsible for obtaining CPT data have experience taking pore pressure measurements using U2 location. Calibrations on all CPT probes and equipment are kept up to date. The CPT data is submitted in the required input format of LTRC's CPT-Pile software as well as in current LADOTD format on full-size sheets and an electronic version.

Ardaman maintains state of the art electrical field resistivity (ER) equipment and has several field engineers and technicians trained to perform the testing and evaluate and process the data so that it can be used to supplement typical geotechnical investigation data. ER survey imaging provides a continuous, undisturbed, *in-situ* cross section of the soil stratigraphy. ER surveys allow for an efficient way of surveying subsurface conditions between boring locations and below boring depths, which can be very useful during design. We successfully implemented this technology on many LADOTD and DNR projects in the past. Our equipment consists of 56 electrodes that can provide soil electrical resistances well over 150 feet deep in favorable conditions. Automatic inversion software provides the electrical resistance profiles which are used to develop correlations to soil conditions.

Ardaman and its subcontractor, Traffic Control Products (TCP) have obtained the Work Zone Training for personnel as requested by LADOTD. We understand the importance of safety while performing our field investigations and will comply with all applicable LADOTD and OSHA safety protocol.

TCP will follow the Louisiana Department of Transportation & Developments "Temporary Traffic Control" drawings. TTC-3 and TTC-4 will be used for flagging operations. TTC-6, TTC-9, and TTC-1 0 will be used for Lane Closures. TTC-2 will be used for Shoulder Closures. TCP will always have at least one certified "Traffic Control Supervisor" on site, who will have been trained by the American Traffic Safety

Services Association / Louisiana Department of Transportation. TCP will provide traffic safety control during our geotechnical exploration program. No traffic engineering services are included in this scope of this contract; therefore the Traffic Engineering Process and Report Training is not required.

It is understood that each task order can have a unique traffic control need. TCP will collaborate with LA DOTD and the General Contractor to make sure that the safety of all (Motoring Public, General Contractor, Inspectors, work Control Products personnel, etc.) parties.

Laboratory Testing Services

Our laboratory technicians work under the direction of an experienced registered professional engineer. Our NICET certified technicians are supervised by a laboratory manager, who is also NICET certified. Daily, these technicians perform testing following appropriate AASHTO and/or ASTM standards.

Ardaman's geotechnical testing laboratories are operated under a certified quality assurance system implemented and maintained by engineers serving as on-site QA officers. All laboratory data is subject to quality control checks and is then processed electronically to generate soil boring logs and gINT database files in standard LADOTD format.

Our laboratories have the capability to perform all laboratory tests anticipated for a typical task order for this contract. Anticipated tests include:

- pH and Resistivity (ASTM D4972 & AASHTO T 288)
- Classification
 - Standard Test Methods for Atterberg Limits (Liquid Limit, Plastic Limit, and Plasticity Index of Soils) (ASTM D4318)
 - Moisture content (ASTM D2216), specific gravity of soils (ASTM D854), unit weight, grain size analyses (D1140 & D6913, etc.).
 - Classification of soils are conducted according to appropriate ASTM Methods: deep borings (ASTM D 2487 – USCS method) and shallow borings (AASHTO M 145).
- Strength tests (Unconsolidated-Undrained (ASTM D2850)
- Consolidation tests with rebound (ASTM D2435)
- Organic content tests (ASTM D2974)

Our laboratory also has the capability to run many other specialized tests that could greatly increase effectiveness of our engineering analyses for certain soil conditions and/or planned construction. These tests include but are not limited to:

- Strength tests (Direct Shear, Direct Simple Shear, Consolidated-Undrained Triaxial, Unconfined Compression)
- Permeability tests (constant and falling head)
- Various construction materials tests on soil, aggregate and concrete

Our Baton Rouge laboratory has the capability to perform multiple, concurrent consolidation tests with automated data acquisition. Our laboratory also maintains triaxial testing equipment capable of performing anisotropic testing including

compression and extension tests with drained or undrained conditions. We are intimately familiar with LADOTD specific laboratory testing procedures, such as dry preparation of subgrade samples for pavement soil borings and testing of 75% of all cohesive samples for strength and classification for foundation design soil borings.

Much of our laboratory data is processed electronically. Therefore, the data obtained from the laboratory testing program can be transmitted to the client in many formats. We have the ability to, and routinely do, provide full size drawings, and soil boring information (logs, profiles, etc.) using gINT or other programs (CADD) that are fully compatible with LADOTD software. We also have the capability to draft and provide boring and subgrade soil survey logs in current LADOTD format on full-size sheets as well as an electronic version of the logs. In addition, we can submit the gINT database file which contains all field and laboratory data electronically in the LADOTD template.

Database

Assessing the soil condition variability and determining proper soil parameters are key to any subsequent geotechnical engineering analyses. Ardaman has developed (assisted by suggestions from LADOTD) a state-of-the-art geotechnical data explorer for this specific purpose. This unique data explorer has provided Ardaman significant advantages over conventional means because it offers an automatic workflow for compiling, visualizing and statistically analyzing data obtained in the field and associated laboratory test results. With the help of the automatic workflow in the data explorer, what could take weeks to be done conventionally now can be done within a day or so. This state-of-the-art data explorer will give Ardaman and LADOTD significant technical and efficiency advantages while also minimizing the potential for error due to multiple instances of data entry.

Construction Monitoring

Ardaman has successfully provided construction monitoring of multiple transportation projects since 2006. Six of our Louisiana engineering staff has been trained to use the Pile Driving Analyzer (PDA). Our staff is well versed and trained in pile foundation monitoring including Wave Equation Analyses, dynamic monitoring with the PDA, analysis of PDA data utilizing CAPWAP, oversight and interpretation of static load tests, development of pile driving criteria and inspector's chart based on the test or monitor piles, and selecting final pile tip elevations based on results of load tests and/or dynamic monitoring results. Ardaman has all of the necessary PDA and static load test monitoring/instrumentation equipment. Our staff is also trained in drilled shaft foundation inspection including review of Contractor's Installation Plan, and oversight of excavation and completion of required LADOTD forms. Megan Bourgeois, P.E., and Chae Hrenyk both completed the National Highway Institute's (NHI) Drilled Shaft Inspector's training course and are certified in the full scope of inspection of the construction of drilled shafts.

Geotechnical Instrumentation

Ardaman has successfully installed, monitored, and analyzed the data for various types of instrumentation at many sites and for multiple LADOTD projects. Our field crews have experience with installing slope inclinometers, both standard and

vibrating wire piezometers, electronic displacement monitoring instrumentation , groundwater monitoring wells and settlement monitoring devices for various projects. Our field technicians are also trained and have extensive experience in gathering data from all types of geotechnical instrumentation using both standard/manual equipment as well as automated and wireless technology. Our staff has experience designing, installing, and maintaining fully automated instrumentation recording and communication systems at various types of sites for various project purposes which incorporate a variety of instrumentation devices into one user-friendly web-based system. Our engineering staff and clients are then able to access this data in real-time or from past time periods for use in monitoring sites and updating design for a more accurate model of actual site conditions.

In addition, our staff has designed programs involving instrumented individual piles for compression and lateral load tests. Our Engineers have experience interpreting this data and comparing the actual soil behavior to that predicted by design.

CONCLUSION

On the preceding pages of this submittal, we have outlined firm and personnel qualifications and our experience on roadway and bridge projects. Ardaman understands the LADOTD's expectations and has a proven history of meeting the Department's needs.

Our staff is committed to providing quality, personalized professional and technical services with a constant concern for the health and safety of LADOTD and our employees, and the traveling public. We are excited to be a member of this team and are looking forward to once again being of service to LADOTD and the State of Louisiana.

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.

	Past			Remaining
Firm	Performance	State project	Project name and location	unpaid
	Evaluation	number	Project name and location	balance**
	Disciplines(s) *			
Ardaman &	Geotech	H.009266	I-10 (LA 73 to LA 30) Route I-10 Ascension Parish	\$151,633
Associates, Inc.				
Ardaman &	Geotech	H.011309.5	MacArthur Interchange Completion Phase II Route US 90-Z Jefferson Parish	\$73,327
Associates, Inc.				
Ardaman &	Geotech	H.012565,	Rural Bridge Replacement – Phase II, Districts 02, 03, 07, 61, 62	\$44,050
Associates, Inc.		H.012891,		
		H.014251, 252, 253,		
		254, 256, 257		
Ardaman &	Geotech	H.003370	I-220/I-20 Interchange Improvement and Barksdale Air Force Access Rd	\$4,179
Associates, Inc.				
Ardaman &	Geotech	H.004273	I-49 Connector, Lafayette	\$586,600
Associates, Inc.				
Ardaman &	Geotech	H.010603.6	Mississippi River Bridge at Vicksburg, MS	\$65,633
Associates, Inc.				
Ardaman &	Geotech	H.004791	LA 23: Belle Chasse Bridge and Tunnel (HBI)	\$264,820
Associates, Inc.				
Ardaman &	Geotech	H.013897	I-10 / I-12 College Drive Flyover	\$337,099
Associates, Inc.				
Ardaman &	Geotech	H.004113	I-12 to Bush LA 3241 (LA 435 – LA40/LA41) Construction Phase	\$114,635
Associates, Inc				

Ardaman &	Geotech	H014217, 218, 225,	Rural Bridges Replacement Phase II – Districts 04 & 05	\$141,199
Associates, Inc		228, 233, 236		
Ardaman &	Geotech	H.04435.5	I-12 to Bush LA 3241 (LA 36-LA 435) Construction Phase	\$172,073
Associates, Inc.				
Ardaman &	Geotech	H.004100.5-2	I-10: LA 415 to Essen Lane on I-10 & I-12	\$155,179
Associates, Inc.				
Ardaman &	Geotech	H.002244.5	Boudreaux Canal Bridge (LA 56)	\$167,793
Associates, Inc.				
Ardaman &	Geotech	H.004100	I-10: CMAR 30% Segment 1 Design	\$239,059
Associates, Inc.				
Ardaman &	Geotech	H.014554.6	Boeuf River Bridge (PDA)	\$5,699
Associates, Inc.				
Ardaman &	Geotech	H00.1166.6	Caddo Lake Bridge (PDA)	\$41,096
Associates, Inc.				
Ardaman &	Geotech	H.012030	KCS Railroad Overpass HBI (US 371)	\$32,774
Associates, Inc.				
Traffic Control	Traffic	H.011670	Loyola Dr/I-10 Job New Orleans	\$55,033
Products				
Traffic Control	Traffic	H.000428.6	LA 12 Bridges Calcasieu Parish	\$107,270.78
Products				
Traffic Control	Traffic	H.012990	LA 182 - St Mary Parish	\$94,723
Products				
Traffic Control	Traffic	H.014672.6	I-12 LA 1032 Overpass	\$35,270
Products				
Traffic Control	Traffic	H.012560	LA 23 - Tunnel - Plaquemines Parish	\$280,880
Products			·	
Traffic Control	Traffic	H.013738	LA 441 - Livingston Parish	\$4,000
Products				
Traffic Control	Traffic	H.014501	LA 441 US 190 LA 442 - Livingston Parish	\$138,144
Products				
Traffic Control	Traffic	H.013757	US 90 @ LA 3046 Jefferson Parish	\$6,370
Products				
Traffic Control	Traffic	H.013191	LA 1: LA 75 Bayou Plaquemine Bridge	\$146,096.55
Products				
Traffic Control	Traffic	H.01473.6	LA 22 7th St - Dunson Rd Tangi Parish	\$73,916
Products				·

Traffic Control	Traffic	H.012073	LA 20 @ LA 3127 - St James Parish	\$742
Products				
Traffic Control	Traffic	H.014104	LA 1: LA3089 Iberville Parish	\$94,570
Products				
Traffic Control	Traffic	H.013001.6	LA 308: LA 70 Ascension Parish	\$78,580
Products				
Traffic Control	Traffic	H.014474	US 61 Turn Lane Improvement - Ascension Parish	\$1,300
Products				

^{*} The 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. <u>Do not</u> 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.				
if the devertisement requires submission of needses and/or certificates, merade them here. Otherwise, reave this section blank.				



Certifications & Licenses



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD

(LAPELS)

9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291

www.lapels.com

Mr. Albert Y. Ayenu-Prah Jr.

License/Certificate Type - Number

Expiration Date

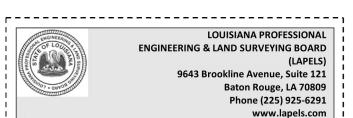
PE.0037402

03/31/2023

Status: Active



ALBERT AYENU-PRAH, PHD, PE PROJECT ENGINEER



Ms. Megan G. Bourgeois

License/Certificate Type - Number

Expiration Date

PE.0036725

03/31/2024

Status: Active



Megan Bourgeois, PE Assistant Branch Manager/Laboratory Director



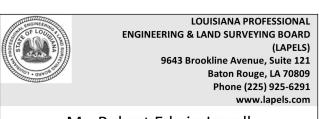








CHAE HRENYK CONSTRUCTION MATERIALS TESTING MANAGER



Mr. Robert Edwin Jewell

License/Certificate Type - Number

Expiration Date

PE.0038579

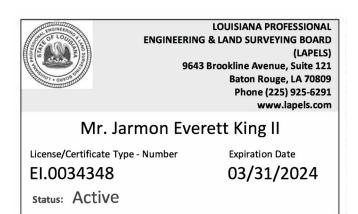
09/30/2022

Status: Active





ROBERT JEWELL, P.E.
BATON ROUGE BRANCH MANAGER/PROJECT ENGINEER





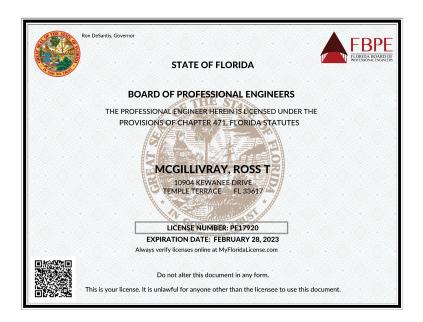
Jarmon King, El ASSISTANT PROJECT ENGINEER

Ardaman & Associates, Inc.





Ardaman & Associates, Inc.





Ross T. McGillivray, PE
PRINCIPAL ENGINEER









JULIAN "JIM" PORTER
DRILLING SERVICES SUPERVISOR/SENIOR DRILLER





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

Mr. Robert Egli Rousset

License/Certificate Type - Number

Expiration Date

PE.0038637

09/30/2022

Status: Active



ROBERT ROUSSET, P.E.
NEW ORLEANS BRANCH MANAGER/PROJECT ENGINEER









CHANDLER WILLIS, BS
LABORATORY MANAGER



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)

9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com

Mr. Mark Lee Woodward

License/Certificate Type - Number

Expiration Date

PE.0024206

09/30/2023

Status: Active



MARK WOODWARD, P.E.
PRINCIPAL ENGINEER



(https://www.sos.la.gov/Pages/default.aspx)
Search for Louisiana Business Filings

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

NameTypeCityStatusARDAMAN & ASSOCIATES, INC.Business Corporation (Non-Louisiana)ORLANDOActive

Previous Names

Business: ARDAMAN & ASSOCIATES, INC.

Charter Number: 34396031F **Registration Date:** 12/13/1991

Domicile Address

8008 SOUTH ORANGE AVENUE

ORLANDO, FL 32809

Mailing Address

3475 E. FOOTHILL BLVD. PASADENA, CA 91107

Principal Business Office

8008 SOUTH ORANGE AVENUE

ORLANDO, FL 32809

Registered Office in Louisiana

3867 PLAZA TOWER DR. BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

316 HIGHLANDIA DR. BATON ROUGE, LA 70810

Status

Status: Active

Annual Report Status: In Good Standing

Qualified: 12/13/1991 **Last Report Filed:** 11/18/2021

Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: C T CORPORATION SYSTEM
Address 1: 3867 PLAZA TOWER DR.
City, State, Zip: BATON ROUGE, LA 70816

Appointment

12/13/1991

Date:

Officer(s)
Additional Officers: No

5/12/22, 7:26 AM Print Lookup Details

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

Name: Public Address:

Ardaman & Associates,

8008 South Orange Avenue

Incorporated

Orlando, Florida 328593003

License/Certificate Information w/ Supervision

First

License Status Issuance

Expiration Date Supervisor(s)

Date

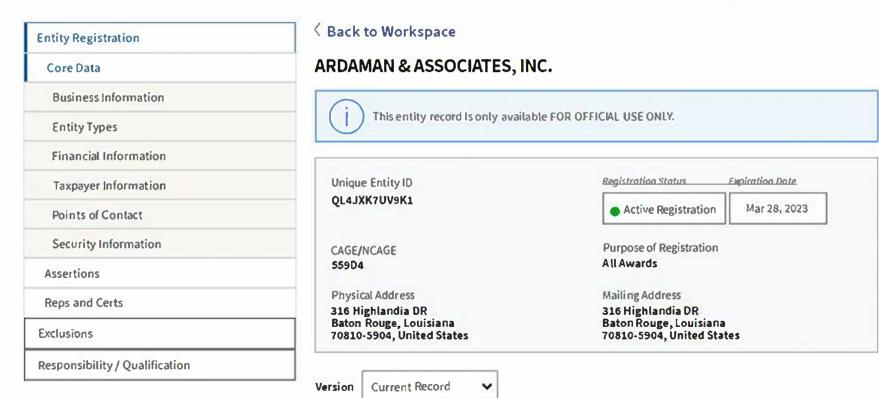
EF.0001680

Active 01/14/1992 03/31/2024 Mr. Robert Edwin Jewell # PE.0038579 - Active ; Mr. Robert Egli Rousset # PE.0038637 - Active ; Mr. Rodrigo Home # PE.0040518 - Active



Home Search Data Bank Data Services Help

> Follow Download





CERTIFICATE OF ACCREDITATION



Ardaman & Associates, 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).

ຝ⁄im Tymon,

AASHTO Executive Director

Moe Jamshidi, AASHTO COMP Chair

This certificate was generated on 05/03/2022 at 2:07 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



Ardaman & Associates, Inc. in Baton Rouge, Louisiana, USA

Quality Management System

Standard:		Accredited Since:
R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	11/09/2009
C1077 (Aggregat	e) Laboratories Testing Concrete and Concrete Aggregates	09/17/2021
C1077 (Concrete)	Laboratories Testing Concrete and Concrete Aggregates	09/17/2021
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	on 12/26/2013



Ardaman & Associates, Inc. in Baton Rouge, Louisiana, USA

Soil

Standard:	Accredited Since:
T288 Minimum Soil Resistivity	01/31/2019
D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	11/09/2009
D422 Particle Size Analysis of Soils by Hydrometer	11/09/2009
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	06/16/2016
D854 Specific Gravity of Soils	02/14/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75-μm) Sieve	02/14/2012
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	06/16/2016
D2166 Unconfined Compressive Strength of Cohesive Soil	06/16/2016
D2216 Laboratory Determination of Moisture Content of Soils	11/09/2009
D2434 Permeability of Granular Soils (Constant Head)	04/27/2022
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	02/14/2012
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	12/26/2013
D2488 Description and Identification of Soils (Visual-Manual Procedure)	12/26/2013
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	02/14/2012
D2937 Density of Soil in Place by the Drive-Cylinder Method	01/31/2019
D2974 Determination of Organic Content in Soils by Loss on Ignition	02/14/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	11/09/2009
D4318 Plastic Limit of Soils (Atterberg Limits)	11/09/2009
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	01/31/2019
D4972 pH Testing of Soils	12/26/2013
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	12/26/2013
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	04/27/2022
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	01/31/2019



Ardaman & Associates, Inc. in Baton Rouge, Louisiana, USA

Aggregate

Standard:	Accredited Since:
C117 Materials Finer Than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing	01/31/2019
C127 Specific Gravity and Absorption of Coarse Aggregate	09/17/2021
C128 Specific Gravity (Relative Density) and Absorption of Fine Aggregate	09/17/2021
C136 Sieve Analysis of Fine and Coarse Aggregates	01/31/2019
C566 Total Moisture Content of Aggregate by Drying	01/31/2019
C702 Reducing Samples of Aggregate to Testing Size	01/31/2019
D75 Sampling Aggregate	01/31/2019



Ardaman & Associates, Inc. in Baton Rouge, Louisiana, USA

Concrete

Standard:		Accredited Since:
C31 (Cylinders)	Making and Curing Concrete Test Specimens in the Field	09/17/2021
C39	Compressive Strength of Cylindrical Concrete Specimens	09/17/2021
C138	Density (Unit Weight), Yield, and Air Content of Concrete	09/17/2021
C143	Slump of Hydraulic Cement Concrete	09/17/2021
C172	Sampling Freshly Mixed Concrete	09/17/2021
C231	Air Content of Freshly Mixed Concrete by the Pressure Method	09/17/2021
C511	Moist Cabinets, Moist Rooms, and Water Storage Tanks Used in the testing of Hydraulic Cements and Concretes	01/12/2022
C1064	Temperature of Freshly Mixed Portland Cement Concrete	09/17/2021
C1231 (6000 psi and l	below) Use of Unbonded Caps in Determination of Compressive Strength of Hardened Concrete Cylinders	09/17/2021



STATE OF LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Is hereby granting a Louisiana Environmental Laboratory Accreditation to



Ardaman & Associates Inc 316 Highlandia Dr Baton Rouge, Louisiana 70810-5904

Agency Interest No. 30726 Activity No. ACC20210001

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

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

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

Cheryl Sonnier Nolan

Administrator

Public Participation and Permit Support Services Division

Issued Date: DANIU 2021

Effective Date: July 1, 2021

Expiration Date: June 30, 2022

Certificate Number: 02052



STATE OF LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Effective Date: July 1, 2021

Ardaman & Associates Inc AI Number: 30726 Activity No. ACC20210001 Expiration Date: June 30, 2022

316 Highlandia Dr, Baton Rouge, Louisiana 70810-5904

Certificate Number: 02052

Air Emissions			TANK (TELEPINE	
Analyte	Method Name	Method Code	Туре	AB
NONE	NONE	NONE	NONE	NONE
Non Potable Water				Ent N
Analyte	Method Name	Method Code	Туре	AB
NONE	NONE	NONE	NONE	NONE
Solid Chemical Materials			2.30	
Analyte	Method Name	Method Code	Type	AB
100031 - Amount Of Soil Finer Than The No. 200 Sieve	ASTM D1140	1370	AASHTO	LA
100032 - Laboratory Compaction Of Soils (Proctor Density)	ASTM D1557	1377	AASHTO	LA
100034 - Classification Of Soils For Engineering Purposes (Unified Soil Classification System	ASTM D2487	1390	AASHTO	LA
100035 - Soil Classification Visual - Manual (Field)	ASTM D2488	1391	AASHTO	L A
100039 - Atterberg Limits of Soils	ASTM D4318	1410	AASHTO	LA
100040 - Liquid Limit	ASTM D4318	1410	AASHTO	LA
100041 - Plastic Limit	ASTM D4318	1410	AASHTO	LA
100042 - Plasticity Index 1900 - pH	ASTM D4318 ASTM D4972	1410 1427	AASHTO AASHTO	LA LA
100044 - Hydraulic Conductivity (Flexible Wall Permeameter)	ASTM D5084	1428	AASHTO	LA
100032 - Laboratory Compaction Of Soils (Proctor Density)	ASTM D698	1439	AASHTO	LA
100043 - Specific Gravity Of Soils	ASTM D854	1441	AASHTO	LA
3850 - Moisture content	ASTM D2216-10	30025106	AASHTO	LA
7987 - Organic Content Of Soil By Ignition 100038 - Particle Size Analysis Of Soils	ASTM D2974-07A, Rev.2007 ASTM D422 63 (7)	30026450 30030854	AASHTO	LA
100036 - Facticle Size Alialysis Of Solis	ASTM D422 03 (1)	30030634	AASHTO	LA
Biological Tissue				
Analyte	Method Name	Method Code	Туре	AB
NONE	NONE	NONE	NONE	NONE



USACE CERTIFICATE OF LABORATORY VALIDATION



Ardaman & Associates, Inc.

316 Highlandia Drive Baton Rouge, LA, United States Megan Bourgeois (225) 752-4790

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

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:

03 MAY 2022 AT 13:10 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 07/27/2023

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

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

Chal a. Justin

AGGREGATE

Aggregate - D 75 - Opt - Sampling

Aggregate - C 117 - Req - Material Finer than 75 µm (No. 200) Sieve

Aggregate - C 136 - Req - Sieve Analysis of Aggregates

Aggregate - C 566 - Opt - Total Moisture Content

Aggregate - C 702 - Opt - Reducing Samples to Testing Size

SOILS

Soils - D 421 - Req - Dry Preparation for Particle Size Distribution & Soil Constants

Soils - D 422 - Req - Particle Size Analysis

Soils - D 698 - Req - Compaction Characteristics by Standard Effort

Soils - D 854 - Req - Specific Gravity of Soils

Soils - D 1140 - Req - Material Finer than 75 m (No. 200) Sieve

Soils - D 1557 - Req - Compaction Characteristics by Modified Effort

Soils - D 2166 - Reg - Unconfined Compressive Strength

Soils - D 2216 - Reg - Water Content

Soils - D 2435 - Req - One-Dimensional Consolidation Properties

Soils - D 2487 - Reg - Classification of Soils

Soils - D 2488 - Req - Description & Identification of Soils (Visual-Manual Procedure)

Soils - D 2850 - Reg - Unconsolidated, Undrained Strength in Triaxial Compression

Soils - D 2937 - Req - Density by Drive Cylinder Method

Soils - D 2974 - Req - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils

Soils - D 3740 - Opt - Soil and Rock Testing Standards (Quality Standard)

Soils - D 4318 - Req - Liquid & Plastic Limits & Plasticity Index

Soils - D 4643 - Req - Determination of Water Content of Soil by Microwave Oven

Soils - D 4972 - Opt - pH of Soils

Soils - D 5084 - Req - Hydraulic Conductivity using a Flexible Wall Permeameter

Soils - D 6938 - Req - Density and Water Content by Shallow Depth Nuclear Method



Certifications & Licenses







LOUISIANA UNIFIED CERTIFICATION PROGRAM

<u>Disadvantaged Business Enterprise Program (DBE)</u>

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

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.

N/A

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 Co. of LA, Inc.	2230 Tower Street Denham Springs, LA 70726	Suzanne Albin suzanne@tcpofla.com	225-665-7950

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.

N/A