



CENTRALBIDDING
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**SOQ 24-023 Laboratory Services as needed for Inspections of Materials
and Equipment**

Jefferson Parish Government

Project documents obtained from www.CentralBidding.com

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Technical Evaluation Committee (TEC) Questionnaire
Instructions

- The Technical Evaluation Committee (TEC) Questionnaire shall be used for professional services related to architecture, engineering, or survey projects.
- **The TEC Questionnaire should be completely filled out. Complete and attach ALL sections. Insert “N/A” or “None” if a section does not apply or if there is no information to provide.**
- Questionnaire must be signed by an authorized representative of the Firm. Failure to sign the questionnaire shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- All subcontractors must be listed in the appropriate section of the Questionnaire. Each subcontractor must provide a complete copy of the TEC Questionnaire, applicable licenses, and any other information required by the advertisement. Failure to provide the subcontractors' complete questionnaire(s), applicable licenses, and any other information required by the advertisement shall result in disqualification of proposer pursuant to J.P. Code of Ordinances Sec. 2-928.
- If additional pages are needed, attach them to the questionnaire and include all applicable information that is required by the questionnaire.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ 24-023
Laboratory Services as needed for Inspections of Materials and Equipment
Resolution No. 144326

B. Firm Name & Address:

Ardaman & Associates, Inc.
101 Teal Street
St. Rose, LA 70087

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Robert Rousset, P.E.
Vice President | Regional Manager
RRousset@ardaman.com
(504) 835-2593

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

Robert Rousset, P.E.
Vice President | Regional Manager
RRousset@ardaman.com
(504) 835-2593

E. Please provide the number of employees whose primary function corresponds with each category:

<u> 6 </u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> 1 </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> 8 </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u> 5 </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> 7 </u> Engineer Intern	<u> </u> Environmental Engineers	
<u> </u> Professional Land Surveyors		<u> 27 </u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.



TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.

1. N/A

2. N/A

H. Has this JOINT-VENTURE previously worked together? Please check:

YES

NO

N/A

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

65



TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Robert Rousset, P.E.
Vice President | Regional Manager

Project Assignment:

Program Manager / Geotechnical Engineer

Name of Firm with which associated:

Ardaman & Associates, Inc.

Years' experience with this Firm:

18

Education: Degree(s)/Year/Specialization:

B.S. / 2008 / Civil Engineering

Active registration: Year first registered/discipline:

2014 / Civil

Other experience and qualifications relevant to the proposed Project:

I-49, SEGMENT J, Caddo Parish, LA, SP No. H.003886.5 (2012), *Project Manager*. Mr. Rousset was responsible for setting up boring locations, coordinating field activities, assigning lab testing, reviewing laboratory test results, classifying soil types based on laboratory testing, and compiling soil boring logs in the LADOTD format.

JEFFERSON PARISH RELIABILITY PROJECT, Jefferson and Plaquemines Parishes, LA (2019), *Project Manager*. The project consisted of the improvements to Entergy's Westwego, Barataria, and Alliance Substations and associated applicable Transmission Lines to a depth of 100 feet below existing ground surface.

CAMINADA HEADLANDS, Jefferson and Lafourche Parishes, LA (2018), *Project Manager*. Ardaman performed the Geotechnical Investigation for the Caminada Headlands Back Barrier Marsh Creation Increment II Project (BA-193). The project consisted of the creation and nourishment of approximately 444 acres of marsh.



TEC Professional Services Questionnaire

K. PROFESSIONAL IN CHARGE OF PROJECT

(Robert Rousset, P.E. continued):

Other experience and qualifications relevant to the proposed Project:

MID-BRETON SEDIMENT DIVERSION Plaquemines Parish, LA, CPRA (Sub to Stantec), (Ongoing) *Project Manager*. Mr. Rousset serves as Project Manager for CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee.

BAYOU LAFOURCHE MARSH CREATION, Lafourche Parish, LA, T. Baker Smith, (2019) *Project Manager*. This project will create approximately 200 acres of new marsh in south-central Lafourche Parish using material dredged from Bayou Lafourche. Mr. Rousset served as Project Manager for this project, in this capacity he coordinates all fieldwork, laboratory testing, and engineering analyses.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Chris Sparnecht Construction Materials Testing (CMT) Manager / Geotechnical Laboratory Manager
Project Assignment:
Laboratory Manager
Name of Firm with which associated:
Ardaman & Associates, Inc.
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
High School Diploma
Active registration: Year first registered/discipline:
2012 / ACI Aggregate Testing Technician – Level 1 2010 / ACI Concrete Strength Testing Technician 2012 / ACI Concrete Laboratory Testing Technician - Level 1 2018 / ACI Aggregate Base Testing Technician Level 1
Other experience and qualifications relevant to the proposed Project:
<p>INDUSTRIAL FACILITY – CONFIDENTIAL CLIENT, Port Allen, LA (2023) Lab Technician. Ardaman's St. Rose office was awarded this project in late 2022. This project consisted of Geotechnical Field Exploration and Subsurface evaluation, inclusive of new soil borings, CPTs, and stability analyses, to submit to the USACE in effort to mitigate the levee and bank stabilization efforts required for minimal impact of refinery operations. Lab testing was performed in accordance with ASTM Standards for the following test methods: Unconfined Compressions Tests, Unconsolidated/Undrained Compression Tests, Consolidation Tests, Atterberg Limits, Organic Content, Moisture Content, and 200 washes.</p> <p>HAPPY JACK TO NAIRN, USACE PHYLWAY CONSTRUCTION, Plaquemine, LA (2022) Project Manager/Lab Technician. Ardaman's St. Rose office was awarded this project in early 2019. The project consists of Construction Materials Testing for a USACE approved levee located in Plaquemines Parish, LA. Lab testing was performed in accordance with ASTM Standards for the following test methods: Atterberg Limits, Organic Content, Moisture Content, and 200 washes.</p> <p>NOLA DPW PROJECT NO. PW19912, PONTCHARTRAIN PARK, New Orleans, LA (2021) Project Manager/Lab Technician. Ardaman's St. Rose office was awarded this project in early 2020. The project consists of Construction Materials Testing for various streets located in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, 200 washes, and Moisture Content.</p> <p>NOLA DPW PROJECT NO. PW19912, LOWER NINTH WARD GROUP D, New Orleans, LA (2022) Project Manager. Ardaman's St. Rose office was awarded this project in mid-2021. The project consists of Construction Materials Testing for various streets as well as water and drainage lines throughout New Orleans, LA. This</p>



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

(Chris Sparnecht continued):

Other experience and qualifications relevant to the proposed Project:

project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, 200 washes, and Moisture Content.

MSY Arrivals Roadway Imp & Pedestrian Bridge, Kenner, LA (2023) *Lab Technician.* Ardaman's St. Rose office was awarded this project in mid-2023. This project consisted of Geotechnical Field Exploration and Subsurface evaluation, inclusive of new soil borings and CPTs. Lab testing was performed in accordance with ASTM Standards for the following test methods: Unconfined Compressions Tests, Unconsolidated/Undrained Compression Tests, Consolidation Tests, Atterberg Limits, Organic Content, Moisture Content, and 200 washes.

Northwest Little Lake Marsh Creation, New Orleans, LA (2023) *Lab Technician.* Ardaman's St. Rose office was awarded this project in mid-2023. This project consisted of Geotechnical Field Exploration and Subsurface evaluation, inclusive of new soil borings, and material analyses, to submit to CPRA in effort to determine if the existing soil is suitable for the creation of new march lands. Lab testing was performed in accordance with ASTM Standards for the following test methods: Unconfined Compressions Tests, Unconsolidated/Undrained Compression Tests, Consolidation Tests, Atterberg Limits, Organic Content, Moisture Content, and 200 washes.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Jose Diaz Field Technician
Project Assignment:
Field Technician
Name of Firm with which associated:
Ardaman & Associates, Inc.
Years' experience with this Firm:
6
Education: Degree(s)/Year/Specialization:
High School Diploma
Active registration: Year first registered/discipline:
2018 / ACI Concrete Field Testing Technician – Level 1
Other experience and qualifications relevant to the proposed Project:
<p>NOLA DPW PROJECT NO. PW19912, PONTCHARTRAIN PARK, New Orleans, LA (2021) <i>Field Technician</i>. Ardaman's St. Rose office was awarded this project in early 2020. The project consists of Construction Materials Testing for various streets located in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, 200 washes, and Moisture Content.</p> <p>NOLA DPW PROJECT NO. PW19912, LOWER NINTH WARD GROUP D, New Orleans, LA (2022) <i>Field Technician</i>. Ardaman's St. Rose office was awarded this project in mid-2021. The project consists of Construction Materials Testing for various streets as well as water and drainage lines throughout New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, 200 washes, and Moisture Content.</p> <p>CONFIDENTIAL INDUSTRIAL CLIENT, Plaquemine, LA (2021) <i>Field Technician</i>. Ardaman's St. Rose office was awarded this project in early 2021. The project consists of Construction Materials Testing throughout the project in Plaquemines, LA. This project consists of density testing, concrete testing, mass concrete monitoring, vibration monitoring, pile monitoring, and laboratory testing of various materials. To date we have conducted over 30,000 density tests and performed testing on over 1 million cubic yards of concrete.</p>



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title: Emmanuel Molina Field Technician
Project Assignment: Field Technician
Name of Firm with which associated: Ardaman & Associates, Inc.
Years' experience with this Firm: 2
Education: Degree(s)/Year/Specialization: High School Diploma
Active registration: Year first registered/discipline: 2023 / ACI Concrete Field Testing Technician – Level 1
Other experience and qualifications relevant to the proposed Project: <p>NOLA DPW PROJECT NO. PW19912, PONTCHARTRAIN PARK, New Orleans, LA (2021) <i>Field Technician</i>. Ardaman's St. Rose office was awarded this project in early 2020. The project consists of Construction Materials Testing for various streets located in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, 200 washes, and Moisture Content.</p> <p>NOLA DPW PROJECT NO. PW19912, LOWER NINTH WARD GROUP D, New Orleans, LA (2022) <i>Field Technician</i>. Ardaman's St. Rose office was awarded this project in mid-2021. The project consists of Construction Materials Testing for various streets as well as water and drainage lines throughout New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, 200 washes, and Moisture Content.</p> <p>CONFIDENTIAL INDUSTRIAL CLIENT, Plaquemines, LA (2021) <i>Field Technician</i>. Ardaman's St. Rose office was awarded this project in early 2021. The project consists of Construction Materials Testing throughout the project in Plaquemines, LA. This project consists of density testing, concrete testing, mass concrete monitoring, vibration monitoring, pile monitoring, and laboratory testing of various materials. To date we have conducted over 30,000 density tests and performed testing on over 1 million cubic yards of concrete.</p>



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Arthur Payne Field Technician
Project Assignment:
Field Technician
Name of Firm with which associated:
Ardaman & Associates, Inc.
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
High School Diploma
Active registration: Year first registered/discipline:
2008 / ACI Concrete Field Testing Technician – Level 1 2020 / ACI Concrete Strength Testing Technician - Level 1
Other experience and qualifications relevant to the proposed Project:
<p>CONFIDENTIAL INDUSTRIAL CLIENT, Plaquemines, LA (2021) <i>Field Technician</i> . Ardaman's St. Rose office was awarded this project in early 2021. The project consists of Construction Materials Testing throughout the project in Plaquemines, LA. This project consists of density testing, concrete testing, mass concrete monitoring, vibration monitoring, pile monitoring, and laboratory testing of various materials. To date we have conducted over 30,000 density tests and performed testing on over 1 million cubic yards of concrete.</p>



TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Robert Jewell, P.E.
Vice President | Branch Manager

Project Assignment:

Project Engineer

Name of Firm with which associated:

Ardaman & Associates, Inc.

Years' experience with this Firm:

17

Education: Degree(s)/Year/Specialization:

B.S. / 2009 / Civil Engineering

Active registration: Year first registered/discipline:

2013 / Civil

Other experience and qualifications relevant to the proposed Project:

UNCLE SAM STACK NOS. 1-3 EXPANSION, Convent, LA. Mr. Jewell helped lead the design and oversee the CQA program of a 200-acre gypsum stack expansion consisting of general earthwork, fine grading and compaction of surfaces to receive the HDPE liner, seepage collection and relief drain installations, stack underdrain and outlet installations, perimeter gypsum dike construction, placement and compaction of compacted gypsum atop the HDPE liner, hydraulic structure installations, and associated ancillary work.

NUTRIEN AMMONIA PLANT EXPANSION, Convent, LA. Mr. Jewell served as project manager for the design of an expansion to the Ammonia plant consisting of towers, vessels, compressors, pipe racks, building and water towers. Foundation recommendations in the form of shallow and deep foundations were provided.



TEC Professional Services Questionnaire

K. PROFESSIONAL IN CHARGE OF PROJECT

(Robert Jewell, P.E. continued):

Other experience and qualifications relevant to the proposed Project:

PROJECT PATRIOT GEOTECHNICAL ENGINEERING INVESTIGATION, TECHNIP USA (at Mosaic's Faustina facility); Donaldsonville, LA. Mr. Jewell served as the project manager for the design of a major new ammonia plant expansion that included field exploration, laboratory testing, and foundation design services. The drilling activities included several cone penetrometer soundings and borings that were located within close proximity to the Mississippi River levee which required appropriate planning/permitting in order to drill within appropriate guidelines. Ardaman utilized the results of the data collected as well as data obtained during prior studies by other consultants, to develop a geotechnical site characterization and to select soil properties for use in design analyses. Shallow and deep foundation capacities, along with site preparation, pavement, and other construction-related recommendations were provided.

GLOBALPLEX FINGER PIER CARGO DOC, INCA ENGINEERS (for Reagent Chemical & Research, Inc.); LaPlace, LA. Mr. Jewell supervised the QA/QC activities for Globalplex Finger Pier General Cargo Dock project. This consisted of general construction inspection, oversight services, pile monitoring, review of submittals and review of daily and weekly reports.

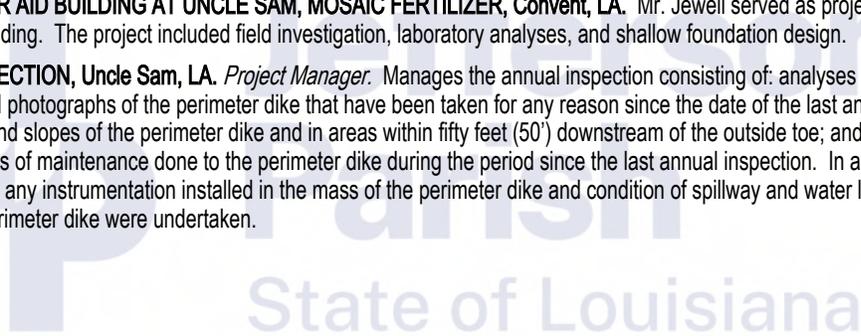
SOUTH WASTE WATER TREATMENT PLANT CONSTRUCTION SERVICES CONSULTATION, East Baton Rouge City Parish, LA. Mr. Jewell assisted in QA/QC construction oversight for the South Waste Water Treatment Plant Phase II job. This consisted of construction administration including specialty meetings and technical reviews. In addition, AAI monitored and reviewed all of the data submitted for the construction of large diameter tanks. This consisted of observing the installation process and testing program, including load test, PDA, and PIT tests.

FAUSTINA CLOSURE QA/QC, MOSAIC FERTILIZER, Donaldsonville, LA. Mr. Jewell managed and supervised the construction quality control project at the Faustina facility. This included the closure of 25 lined ponds.

FOUNDATION DESIGN OF 002 OUTFALL PUMPS, Donaldsonville, LA. Mr. Jewell served as the project manager for the design of the foundation for the pump upgrades at the 002 Outfall. This project included field exploration, testing, and foundation design.

FOUNDATION DESIGN OF FILTER AID BUILDING AT UNCLE SAM, MOSAIC FERTILIZER, Convent, LA. Mr. Jewell served as project manager for the design of the foundation for the Filter Aid Building. The project included field investigation, laboratory analyses, and shallow foundation design.

ANNUAL PERIMETER DIKE INSPECTION, Uncle Sam, LA. Project Manager. Manages the annual inspection consisting of: analyses of seepage or other significant items shown on all aerial photographs of the perimeter dike that have been taken for any reason since the date of the last annual inspection; evaluation of condition of soil surfaces and top and slopes of the perimeter dike and in areas within fifty feet (50') downstream of the outside toe; and review of all inspection reports to evaluate the effectiveness of maintenance done to the perimeter dike during the period since the last annual inspection. In addition, examination and interpretation of data obtained from any instrumentation installed in the mass of the perimeter dike and condition of spillway and water level control structures, including all conduits exiting the perimeter dike were undertaken.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Mark Woodward, P.E. Principal Engineer
Project Assignment:
Senior Geotechnical Engineer
Name of Firm with which associated:
Ardaman & Associates, Inc.
Years' experience with this Firm:
6
Education: Degree(s)/Year/Specialization:
M.S. / 2019 / Risk Management M.E. / 1986 / Civil Engineering B.S. / 1982 / Civil Engineering
Active registration: Year first registered/discipline:
1991 / Civil
Other experience and qualifications relevant to the proposed Project:
<p>MISSISSIPPI RIVER AND TRIBUTARIES PROJECT – GEOTECHNICAL INVESTIGATION, DESIGN AND CONSTRUCTION OVERSIGHT, (2018) <i>Senior Geotechnical Engineer.</i> Mr. Woodward conducted or oversaw the review of existing geotechnical data and implementation of field investigation to obtain subsurface data, selection and reduction of laboratory testing, geotechnical engineering analyses, development of conclusions and recommendations, final report preparation and construction oversight for over 50 levee and floodwall projects on the Mississippi River and Atchafalaya Basin. Responsible for providing final geotechnical approval of 1,000 permits a year for construction activities on and around levees.</p> <p>LEEVE SAFETY PROGRAM, (2018) <i>Levee Safety Program Manager.</i> Mr. Woodward served as the USACE New Orleans District Levee Safety Program Manager for over four years, responsible for Levee Evaluation Reports for Levee Certifications and the National Flood Insurance Program, Levee Inspection Reports on over 1,300 miles of levee on an annual basis, Risk Assessments and Communication for all levees in the district's jurisdiction; Was also responsible for final Section 408 permitting approval to ensure that construction activities do not increase risk or diminish function of levees and do not cause harm to the public. Teamed with flood risk management, led potential failure mode analysis, participated in probable failure mode analysis (PFMA), prepared event trees, oversaw and performed review of Risk Analysis (RA) reports for other Districts. Completed Post Baccalaureate Certificate in Risk Assessment and Management from Notre Dame of Maryland University in 2017 and completed requirements for master's degree in risk management in May 2019.</p> <p>HSDRRS, New Orleans Metro Area, LA (2018) <i>Supervisory Geotechnical Engineer.</i> Mr. Woodward provided Senior Consistency Review for Geotechnical work product performed by A/E firms and other Corps Districts for the entire Hurricane Storm Surge Risk Reduction System. He was also responsible for the geotechnical design of 15 miles of HSDDRS from Bayou Segnette to Harvey Canal. Included use of numerical modeling programs like Plaxis and Flac using various constitutive clay and sand models as well as Slope/W.</p>



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

(Mark Woodward, P.E. continued):

Other experience and qualifications relevant to the proposed Project:

CALCASIEU SHIP CHANNEL SALINITY CONTROL MEASURES PLANNING & FEASIBILITY PHASE (CS-0065), Cameron & Calcasieu Parish, LA (2019)*Principal Geotechnical Engineer.* The project aimed to limit saltwater intrusion and reduce land loss across various bayous, marshes, and lakes within the vicinity of the Calcasieu Ship Channel (CSC), located across Cameron and Calcasieu Parish. Stretching across 20 miles, the project consisted of various sill structures, erosion control measures, and channelization structures. Mr. Woodward served as Principal Geotechnical Engineer for this project; in this capacity he reviewed all fieldwork, laboratory testing, engineering analyses, and Geotechnical Report.

HOUMA NAVIGATION CANAL – MITIGATION MARSH CREATION, Terrebonne Parish, LA (Ongoing)*Principal Geotechnical Engineer.* This project will create approximately 194 acres of new marsh using hydraulically dredged material from the Houma Navigation Canal. The project area will be confined by earthen containment dikes. Mr. Woodward serves as Principal Geotechnical Engineer for this project; in this capacity he reviews all fieldwork, laboratory testing, engineering analyses, and Geotechnical Report.

WEST FOURCHON MARSH CREATION & NOURISHMENT (TE-134) Lafourche Parish, LA (2022)*Principal Geotechnical Engineer.* This project created approximately 302 acres of saline intertidal marsh and nourished about 312 acres of emergent marsh using material dredged from the Gulf of Mexico. The project area was confined by earthen containment dikes and other features along deep-water channels. Mr. Woodward served as Principal Geotechnical Engineer for this project; in this capacity he reviewed all fieldwork, laboratory testing, engineering analyses, and Geotechnical Reports.

CAMINADA HEADLANDS BACK BARRIER MARSH CREATION INCREMENT II (BA-193), Lafourche Parish, LA (2018)*Principal Geotechnical Engineer.* This project created approximately 444 acres of emergent marsh using material dredged from the Gulf of Mexico. The project area was confined by earthen containment dikes. Mr. Woodward served as Principal Geotechnical Engineer for this project; in this capacity he reviewed all fieldwork, laboratory testing, engineering analyses, and Geotechnical Report.

NO NAME BAYOU MARSH CREATION & NOURISHMENT (CS-78), Cameron Parish, LA (2019)*Principal Geotechnical Engineer.* The No Name Bayou Marsh Creation and Nourishment project will create approximately 502 acres of marsh, 10 acres of creeks/ponds, and nourish 21 acres of existing marsh. Marshland will be created and nourished by hydraulically dredging select fill material and placing it within a marsh creation area, which will have earthen containment dikes around the perimeter to keep this material in place as it settles out of suspension and builds land back up. Mr. Woodward serves as Principal Geotechnical Engineer for this project; in this capacity he provides oversight for fieldwork coordination, laboratory testing, and engineering analyses; analyses included slope stability analyses for the containment dikes and closure structures, determination of cut-to-fill ratios, determination of consolidation settlements for the subsurface soils, and determination of self-weight consolidation for the borrow material.

MID-BRETON SEDIMENT DIVERSION Plaquemines Parish, LA (2018 to Present)*Senior Geotechnical Engineer.* Mr. Woodward serves as the Geotechnical Engineer of Record for CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee.

MID-BARATARIA SEDIMENT DIVERSION CMAR TEAM, Plaquemines Parish, LA (2018 to Present)*Senior Geotechnical Engineer.* Mr. Woodward serves as the senior geotechnical engineer on the Construction Manager At-Risk (CMAR) services for the Mid-Barataria Diversion Project. The Mid-Barataria Sediment Diversion will provide sediment, water and nutrients from the Mississippi River to the Barataria Basin to build, maintain, and sustain wetlands. The Mid-Barataria Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Mid-Barataria Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee. Mr. Woodward Provided geotechnical input into dewatering, pump platforms, borrow suitability, stability, seepage and settlement for interim Mississippi River Levee, and designed slope for 50-foot-deep dry excavation.

WEST SHORE PUMP STATIONS, United States Army Corps of Engineers, St. Charles Parish, LA (2020 to Present)*Principal Engineer.* The West Shore Lake Pontchartrain Project consists of a new HSDRRS-DG levee along the west shore of Lake Pontchartrain for flood protection of the local communities. The new construction will include earthen levees, T-Walls, pump stations, and canals. Mr. Woodward oversaw the field investigation and laboratory testing in accordance with U.S. Army Corps of Engineers standards and manages all engineering analyses, which consists of slope stability, seepage, settlement, unbalanced load analyses, and pile capacities to date.

ENTERGY MARSH CREATION, Lafourche Parish, LA (2020 to 2021)*Principal Geotechnical Engineer.* The project consisted of approximately 4 acres of marsh creation and mitigation on the south side of the existing Tidewater Canal along Bayou Lafourche in Lafourche Parish, Louisiana. The project was comprised of two (2) potential borrow areas and six (6) marsh creation and mitigation areas. The source material from the borrow areas will be hydraulically dredged from the borrow site(s) and placed within the individual marsh creation and mitigation areas. Mr. Woodward served as Principal Geotechnical Engineer for this project; in this capacity he reviewed all fieldwork, laboratory testing, engineering analyses, and Geotechnical Report.



TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chae Hrenyk
Construction Material Testing Manager

Project Assignment:

Field Technician

Name of Firm with which associated:

Ardaman & Associates, Inc.

Years' experience with this Firm:

16

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Certified NHI Drilled Shaft Inspector

Other experience and qualifications relevant to the proposed Project:

MOSAIC FERTILIZER, LLC, UNCLE SAM PLANT, STACK NOS. 1-3 LINED VERTICAL EXPANSION, St. James, LA. *Supervising Technician* for QA/QC inspection and testing during 2-year gypsum stack lined vertical expansion project including supervision of multiple technicians and providing construction inspection and testing for HDPE liner installation, repair of existing HDPE liners, gypsum subgrade restoration, placement and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.

MOSAIC FERTILIZER, LLC, TAFT PLANK, STACK CLOSURE, Hahnville, LA. *Lead Technician* for QA/QC inspection and testing services for a 12-month gypsum stack closure project including site preparation, general earthwork with phosphogypsum, fine grading and compaction gypsum subgrade surfaces, HDPE liner installation, placement and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.



TEC Professional Services Questionnaire

K. PROFESSIONAL IN CHARGE OF PROJECT

(Chae Hrenyk continued):

Other experience and qualifications relevant to the proposed Project:

I-20 MISSISSIPPI RIVER BRIDGE REVIEW, Vicksburg, MS. Mr. Hrenyk assisted in a critical role with this multi-million-dollar, high risk, high technical needs, high visibility project. He assisted a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologist, instrumentation specialists, and 3-D geotechnical modeling experts by overseeing and/or completing all necessary field tasks. He was instrumental in designing, maintaining and monitoring the geotechnical instrumentation program for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. He also assisted in completing several programs of geophysical survey by electrical field resistivity to provide data for various needs. Additionally, he assisted in coordinating with the field crews to complete drilling operations which were necessary to install and repair and/or replace instrumentation both on land and in the River.

COLLEGE DR. FLYOVER RAMP I-10 / I-12, East Baton Rouge Parish, LA. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification testing during the construction for soils, aggregate and concrete. Mr. Hrenyk oversees all of the acceptance verification sampling and testing during construction.

I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD, Bossier Parish, LA. CMT Manager. Mr. Hrenyk oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana.



TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chris Peno
Construction Material Testing Technician

Project Assignment:

Field Technician

Name of Firm with which associated:

Ardaman & Associates, Inc.

Years' experience with this Firm:

16

Education: Degree(s)/Year/Specialization:

High School Diploma

Active registration: Year first registered/discipline:

Radiation Safety Training
HAZMAT Transport Training

Other experience and qualifications relevant to the proposed Project:

MOSAIC FERTILIZER, LLC, UNCLE SAM PLANT, STACK NO. 4 SOUTH SLOPE LINING, St. James, LA. *Lead Technician* for CQA inspection and testing during earthwork and HDPE lining project of 30 acres. The tasks included field supervision of up to junior-level technicians providing construction inspection and testing for gypsum subgrade, HDPE liner installation, and road construction.

MOSAIC FERTILIZER, LLC, UNCLE SAM PLANT, STACK NOS 1-3 LINED VERTICAL EXPANSION, St. James, LA. *Technician* for QA/QC inspection and testing during 2-year gypsum stack lined vertical expansion project including field supervision of up to 4 junior-level technicians providing construction inspection and testing for HDPE liner installation, repair of existing HDPE liners, gypsum subgrade restoration, placement, and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.



TEC Professional Services Questionnaire

K. PROFESSIONAL IN CHARGE OF PROJECT

(Chris Peno continued):

Other experience and qualifications relevant to the proposed Project:

BRAZIL FACILITY, *Lead CQA technician* for a gypsum stacking facility in Brazil. The task included providing construction inspection and testing for HDPE liner installation, repair of existing HDPE liners, gypsum subgrade restoration, placement, and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.

MOSAIC FERTILIZER, LLC, FAUSTINA PLANT, STACK CLOSURE, St. James, LA. *Lead Technician for QA/QC* inspection and testing during 2-year gypsum stack closure project including field supervision of up to 5 junior-level technicians providing construction inspection and testing for HDPE liner installation, repair of existing HDPE liners, gypsum subgrade restoration, placement, and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.

HONEYWELL SPECIALTY CHEMICALS, Geismar, LA. *Technician* for QA/QC inspection and testing during construction of a compacted clay seepage control blanket atop existing HF gypsum dikes containing the facility's process water holding ponds.

MOSAIC FAUSTINA DAP RECYCLE POND CLOSURE, St. James Parish, LA. Mr. Peno provided oversight and testing for the closure of the DAP Pond. The work included earthwork involving hauling and mixing clean sand to stabilize existing pond sediment; placing and compacting clay soil fill to construct a minimum 24-inch thick recompacted clay liner beneath a new HDPE liner, grading; placing and compacting clean soil fill to construct a minimum 24-inch thick soil cover atop HDPE liner.

MOSAIC FAUSTINA PHOSPHOGYPSUM LINED POND CLOSURE-PHASE 1, St. James Parish, LA. Mr. Peno served as Project Manager and provided oversight and testing for the Lined Pond closure project. This Project encompassed the closure of 15 lined bench ponds and 4 lined top gradient ponds. Construction consisted of covering approximately 202 acres with LDEQ-approved lined grassed cover. The work included earthwork related to hauling, placing and compacting clean soil fill to construct a minimum 24-inch-thick compacted soil cover atop existing HDPE liners including fine grading, general earthwork with phosphogypsum, modifying existing HDPE inlet risers and installation of new inlet structures and outlet pipelines, liner supply and installation where needed and grassing soil cover by seeding or sodding.



TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Bill Singleton
Construction Material Testing Technician | Geologist

Project Assignment:

Field Technician

Name of Firm with which associated:

Ardaman & Associates, Inc.

Years' experience with this Firm:

38

Education: Degree(s)/Year/Specialization:

B.S. / 1996 / Geology

Active registration: Year first registered/discipline:

Professional Geoscientist, Louisiana No. 1110
Radiation Safety Training
HAZMAT Transport Training

Other experience and qualifications relevant to the proposed Project:

MOSAIC FERTILIZER, LLC, UNCLE SAM PLANT, STACK NOs. 4 SIDE SLOPE CLOSURE, St. James, LA (2023 - 2024). *Lead Technician* for CQA inspection and testing during gypsum stack closure project including field supervision of junior-level technicians providing construction inspection and testing for gypsum grading and compaction, clay barrier placement and compaction, HDPE liner installation, placement and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.

SOUTH UPPER CLEARWELL, HONEYWELL GEISMAR FACILITY, Ascension Parish, LA. Mr. Singleton provided oversight and testing for the South Upper Clearwell (SUCW) project. The work consisted of construction of a clayey liner system in the SUCW having minimum 3-foot thick layer of clay fill having a compacted hydraulic conductivity equal to or less than 5×10^{-8} cm/sec on top of the natural clayey soil base and/or against the excavated gypsum slope surfaces.



TEC Professional Services Questionnaire

K. PROFESSIONAL IN CHARGE OF PROJECT

(Bill Singleton continued):

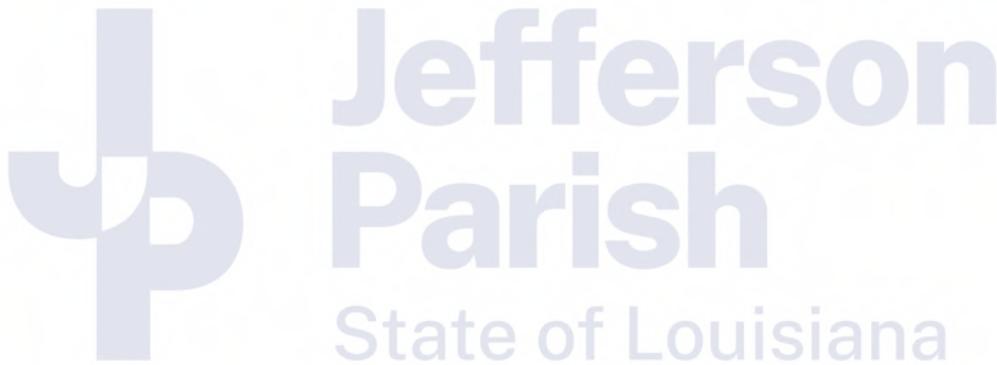
Other experience and qualifications relevant to the proposed Project:

NUTRIEN GEISMAR PHOSHOGYPSUM STACK SYSTEM CLOSURE, Ascension Parish, LA. Mr. Singleton provided oversight and testing of the closure of three phases of gypsum stacks. The work consists of side slope clayey soil cover placement and compaction, consisting of a 24-inch thick barrier layer of clayey soil placed in compacted 6-inch lifts to achieve a hydraulic conductivity equal to or less than 1×10^{-7} cm/sec and covered with a 6-inch thick soil layer capable of supporting grass.

USACE – NEW ORLEANS DISTRICT, FLOODWALL AND LEVEE INSPECTION, Lake Pontchartrain & Vicinity, Jefferson and St. Charles Parishes. Ardaman assisted in conducting visual and engineering evaluation of existing levees and floodwalls subsequent to Hurricane Katrina. Reaches investigated included the Jefferson Parish/St. Charles Parish Return Levee from the Louis Armstrong Airport to Lake Pontchartrain and the flood protection levee on the north side of Airline Highway from the Jefferson Parish border to the Bonnet Carre' East guide levee in St. Charles Parish. Mr. Singleton provided the QC inspection services.

MOSAIC FERTILIZER, LLC, UNCLE SAM PLANT, STACK NOS. 1-3 LINED VERTICAL EXPANSION, St. James, LA (2018-2019). *Technician* for QA/QC inspection and testing during 2-year gypsum stack lined vertical expansion project including field supervision of up to 4 junior-level technicians providing construction inspection and testing for HDPE liner installation, repair of existing HDPE liners, gypsum subgrade restoration, placement and compaction of soil cover atop HDPE liners, seepage collection drain installation and construction of surface water conveyance and control devices.

EXXONMOBIL, Port Allen, LA. Conducted Quality Assurance. Oversaw Concrete and Soil Testing performed by another lab. Performed construction inspection on building's rebar in forms to insure accordance to plan specifications for a new warehouse.



TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Municipal and Traffic Court interior Renovations (New Orleans, LA)</p> <p>City of New Orleans Shaun Lewis (504) 658-8682</p>	<p>Ardaman's St. Rose office was awarded this project in early 2024. The project consists of Construction Materials Testing for the interior renovations at the Municipal and Traffic Court to feature two new elevators, new stairs connecting all three floors, seven new courtrooms with all new millwork, inmate interview rooms and holding cells, offices, and new restrooms located in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, #200 washes, and Moisture Content.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Spring 2025	\$15,000,000	\$50,000

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Oak Park DPW582 (New Orleans, LA)</p> <p>DPW City of New Orleans Eugene Green (504) 658-1040</p>	<p>Ardaman's St. Rose office was awarded this project in early 2023. The project consists of Construction Materials Testing to increase the capacity of subsurface drainage between local streets and trunk lines in the Filmore Neighborhood located in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, #200 washes, and Moisture Content.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Spring 2024	\$5,300,000	\$25,000



TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Jefferson Parish Reliability Projects (Jefferson and Plaquemines Parish, LA)</p> <p>Entergy Services, Inc. Justin Richard, P.E. 639 Loyola Avenue New Orleans, LA 70113 jrich18@entergy.com</p>	<p>The project consisted of the improvements to Entergy's Westwego, Barataria, and Alliance Substations and associated applicable Transmission Lines in Jefferson and Plaquemines Parish, Louisiana. Ardaman performed 20 soil borings within the footprint/alignment of the proposed improvements to the substations and associated applicable Transmission Lines to a depth of 100 feet below existing ground surface. Geotechnical laboratory testing was performed on selected samples collected from the soil borings during the investigation. All geotechnical tests were performed in accordance with the appropriate AASHTO and ASTM standards. Analyses were performed to characterize the geotechnical conditions at the site. In addition to describing the field and laboratory procedures and presenting the results, the report contained: Soil Boring Logs; Site preparation, grading, shallow excavation and trenching recommendations; Soil Resistivity test results; Deep drilled shaft and driven pile foundation recommendations; Drilled shaft compressions and uplift capacities; Driven timber (Class B) and concrete pile compression and uplift capacities; Bearing capacity and other shallow foundation recommendations; and Results of settlement analyses of foundations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	N/A	\$139,382

PROJECT NO. 4

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Galleria Lift Station Gravity Sewer Line (Metairie, LA)</p> <p>Jefferson Parish c/o GreenPoint Engineering Amer Tufail, P.E., BCEE 701 Loyola Avenue Suite 801 New Orleans, LA 70113</p>	<p>Provided field investigation, laboratory testing, and geotechnical engineering services to aid in the construction of 350 feet of new gravity sewer line between the G6-2 Lift Station and the Galleria Lift Station in Metairie, LA. Consisted of two undisturbed soil borings to a depth of 40 feet below existing ground surface, laboratory testing including strength and classification tests, and geotechnical evaluations to develop the following recommendations: pipeline bedding and backfill recommendations, excavation and general dewatering recommendations, estimates of settlement, site preparation recommendations, and the preliminary design for a temporary retaining system.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	N/A	\$9,850



TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
<p>Bayou Lafourche Pump Station (Donaldsonville, LA)</p> <p>Bayou Lafourche Fresh Water District Ben Malbrough, P.E. (985) 447-7155 ben.malbrough@blfwd.org</p>	<p>This project consisted of improving the capacity of the existing pumping station in Donaldsonville, LA to a minimum of 1,00 cfs. and to introduce enough fresh water from the Mississippi River into Bayou Lafourche in order to benefit the bayou's historical flow area. Ardaman performed 9 soil borings to depths ranging from 85 to 120 feet below surface level. Laboratory tests were performed including standard penetration testing, moisture content determinations, unit strength testing. Ardaman performed all geotechnical engineering analyses for the pump station structure. This project is currently in construction and Ardaman is providing geotechnical engineering support during construction.</p>	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	N/A	\$118,425

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>DPW672 Isaac Wave Drainage (New Orleans, LA)</p> <p>DPW City of New Orleans Ajenavi Eziemefe (504) 658-7623</p>	<p>Ardaman's St. Rose office was awarded this project in mid-2023. The project consists of Construction Materials Testing to address 83 waterline and drainage point repairs throughout the city as well as more than 30 blocks of roadway restoration in the Fairgrounds neighborhood located in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, #200 washes, and Moisture Content.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Spring 2024	\$10,500,000	\$30,000



TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Morris F.X., Jeff Sr. Pool Renovations (New Orleans, LA)</p> <p>City of New Orleans Jenn Lilos (504) 421-1880</p>	<p>Ardaman's St. Rose office was awarded this project in late 2023. The project consists of Construction Materials Testing for the construction of a new 75' x 45' swimming pool and outdoor splash-pad inlayed within the former outdoor swimming pool footprint at the Morris F.X. Jeff Sr. Park in New Orleans, LA. This project consists of density testing, concrete testing, and laboratory testing of various materials. Lab testing was performed in accordance with ASTM Standards for the following test methods: Standard and Modified Proctors, Fine and Course Sieve Analysis, #200 washes, and Moisture Content.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Summer 2024	\$8,200,000	\$20,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Geotechnical Investigation for Gert Town Natatorium and NOPD 2nd District</p> <p>City of New Orleans Gert Town Natatorium & NOPD 2nd District Police Station 1300 Perdido Street, Ste. 6E15 New Orleans, LA 70112 Rodney A. Dionisio, Project Manager</p>	<p>Conducted a geotechnical investigation and provided engineering services for Gert Town Natatorium and NOPD 2nd District Police Station.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$30,800



TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>St. Roch Neighborhood Pavement & Infiltration</p> <p style="text-align: center;">City of New Orleans Jennifer Larmeu 1300 Perdido Street, Ste. 6W03 New Orleans, LA 70112</p>	<p>Conducted a geotechnical investigation consisting of 17 soil borings for pavement design and 7 soil borings for infiltration tests. Laboratory tests were conducted and engineering analyses performed for the drainage upgrade and roadway improvement project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2016	N/A	26,500

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>SELA 07C & SELA 07B Pump to the River 84 Discharge Tubes, Levee Crossing & Discharge Basin (Jefferson Parish, LA)</p> <p>Jefferson Parish c/o Hartman Engineering, Inc. Scott Chehardy 527 W. Esplanade Avenue, Ste. 300 Kenner, LA 70065</p>	<p>The project consisted of 5 major structures including: intake culverts, a pump station with three drainage pumps, discharge pipes, a levee crossing (70 ft. x 55 ft. in plan dimensions of box culverts, with a new levee and sheet piling), and an outfall structure/discharge basin. Ardaman reviewed the geotechnical report, provided plans and specifications, and reviewed the contractor's submittals for the design and installation of piles, shoring, and dewatering.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	N/A	16,657



TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Ardaman's South Louisiana operations have a staff of approximately 80 personnel who perform hundreds of geotechnical investigations annually. Virtually all investigations include shallow and deep (as deep as 300+ feet) borings, CPT, Geoprobe, instrumentation and monitoring, laboratory tests, geotechnical engineering analyses and report preparation. Our Louisiana professional staff includes eight Registered Professional Engineers (1 Ph.D., 3 M.S.) and seven engineer interns (5 M.S.). Although all engineering services are anticipated to be performed by our local South Louisiana staff, our large contingent of specialized experts at the Ardaman's Technical Center located in Orlando, Florida is available for support as needed. The personnel resources at this center include over 30 engineers (geotechnical, civil, coastal, and environmental), most of whom hold advanced degrees. Many of the Ardaman personnel in Florida actively participate in many projects in Louisiana and throughout the Gulf Coast area.

The Ardaman Team has vast experience in performing construction phase monitoring, testing, inspection and consulting services. We have successfully completed many large industrial type projects in accordance with applicable standards and codes. Ardaman's staff includes several senior technicians who are experienced in, and capable of, serving as the lead supervising technician for this contract. These technicians have vast experience, one with over 30 years of experience managing these type of projects at sites all over the world. Our senior technician who leads supervision of laboratory testing has all required ACI certifications to cover our full scope of laboratory and field testing. Ardaman's highly qualified and experienced Construction Materials Testing Manager, Chris Sparnrecht, will oversee and help manage the project in coordination with one or more of these senior technicians. Ardaman provides full-service construction materials testing (CMT) and inspection services. We routinely provide field inspection services relating to construction of foundations, retaining walls and earthen structures. Our CMT staff consists of technicians who are suitably trained and experienced. These technicians are capable of providing field testing and inspection of soils, aggregate and concrete. Our technicians regularly conduct the following inspection and testing services in the field during construction:

- In-place density tests
- Compaction tests
- Moisture of fill and subgrade soils
- Concrete slump and compression testing
- Sufficiency of deep, soil improvement procedures
- Placement of concrete and reinforcing steel for the structural foundation elements

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: Robert Rousset **Print Name:** Robert Rousset, P.E.

Title: Vice President | Regional Manager **Date:** July 18th, 2024

