



## Statement of Qualifications

### DOTD Form 24-102

**Louisiana Department of Transportation and Development**

Contract Nos. 4400027474 AND 4400027480

IDIQ Contracts for Environmental Permitting and Biological Services Statewide

August 22, 2023

11923 Sun Belt Court  
Baton Rouge, Louisiana 70809

Telephone: 225.663.1532  
[www.geoengineers.com](http://www.geoengineers.com)

Project Manager:  
Steven J. David, PWS  
[sdavid@geoengineers.com](mailto:sdavid@geoengineers.com)


**DOTD FORM: 24-102**

(Revised January 1, 2023)

**PROPOSAL TO PROVIDE CONSULTANT SERVICES**

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

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

1. Contract Name as shown in the advertisement	IDIQ CONTRACTS FOR ENVIRONMENTAL PERMITTING AND BIOLOGICAL SERVICES STATEWIDE
2. Contract Number(s) as shown in the advertisement	CONTRACT NOS. 4400027474 and 4400027480
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name ( <b>name must match as registered with the Louisiana Secretary of State where such registration is required by law</b> )	GeoEngineers, 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.0003700
6. Prime consultant mailing address	11923 Sun Belt Court Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	11923 Sun Belt Court Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Denise Radaich, PE, Associate 225.663.1532 (Office) 225.281.7162 (Mobile) dradaich@geoengineers.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Denise Radaich, PE, Associate 225.663.1532 (Office) 225.281.7162 (Mobile) dradaich@geoengineers.com

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

Prime consultant name: GeoEngineers, Inc.

**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 above shall be the same person listed in Section 9:

Date: 08.22.2023

**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):  
La Terre Engineering, LLC.

Firm(s)' %:  
4%

**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.

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 (please specify).

Past Performance Evaluation Discipline(s)	% of Overall Contract	Prime <b>GeoEngineers</b>	Firm B <b>ENCOS, Inc.</b>	Firm C <b>La Terre Engineering LLC</b>	Firm D	Firm E	Each Discipline must total to 100%
Other (Permits)	80%	90%		10%			<b>100%</b>
Other (Wetland Delineation/Findings)	10%	80%	20%				<b>100%</b>
Other (Biological Assessments/Surveys/Oyster Assessment)	10%	5%	95%				<b>100%</b>
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	<b>100%</b>	<b>80.5%</b>	<b>11.5%</b>	<b>8%</b>			<b>100%</b>

Prime consultant name: GeoEngineers, Inc.

**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 (please specify)” and include the classification title inside the parentheses.

The DOTD Job Classification(s) to be used can be found at the following link:

[http://wwwsp.dotd.la.gov/Inside\\_LaDOTD/Divisions/Engineering/CCS/Job\\_Qualification/Job%20Classifications%20with%20Descriptions.pdf](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)
GeoEngineers, Inc.	Principal	2	35
GeoEngineers, Inc.	Environmental Pro	1	49
GeoEngineers, Inc.	Biologist/Wetlands	4	6
GeoEngineers, Inc.	CADD Technician	1	5
GeoEngineers, Inc.	Technician	1	42
ENCOS, Inc.	Biologist/Wetlands	1	1
ENCOS, Inc.	Principal	1	1
ENCOS, Inc.	Professional	5	5
La Terre Engineering, LLC	Engineer	1	1
La Terre Engineering, LLC	Engineer Intern	1	2
La Terre Engineering, LLC	Technician	1	2

Prime consultant name: GeoEngineers, Inc.

**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.



Prime consultant name: GeoEngineers, Inc.


**15. Minimum Personnel Requirements:**

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

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Denise Radaich, PE Associate Environmental Engineer	GeoEngineers, Inc.	Professional Engineer / 27100	LA	09/30/2025
2	Brandon Muller Senior Environmental Scientist	GeoEngineers, Inc.	N/A		
3	Steven David Senior Environmental Scientist	GeoEngineers, Inc.	Professional Wetlands Scientist / 2849		2027
4.	Fiona McNair Associate Environmental Scientist	GeoEngineers, Inc.	Professional Wetlands Scientist / 2011		12/31/2025
5.	Hunter Falcon Environmental Scientist	GeoEngineers, Inc.	N/A		
6.	Joel Chaky	ENCOS, Inc.	Principal		
7.	Coklin Nguyen	ENCOS, Inc.	License 7701 and 3.8 CEUS	LA	N/A
8.	Steven Tidwell	ENCOS, Inc.	Professional		
9.	Rachel Mixon	ENCOS, Inc.	Professional		
10.	Jeremy Thompson	ENCOS, Inc.	Professional		
11.	Seneca Toussant, PE	La Terre Engineering, LLC	Professional Engineer / 36080	LA	09/30/2023

**16. Staff Experience:**


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


Firm employed by 			
Name	P. Denise Radaich, PE	Years of relevant experience with this employer	2
Title	Associate Environmental Engineer	Years of relevant experience with other employer(s)	31

Prime consultant name: GeoEngineers, Inc.

Degree(s) / Years / Specialization		B.S. 1990 Civil Engineering
Active registration number / state / expiration date		Professional Engineering: Civil/ 27100/LA/9/30/25
Year registered	1997	Discipline Civil
Contract role(s) / brief description of responsibilities		Principal-In-Charge
Denise Radaich has over 33 years of experience in environmental, remedial and civil engineering design and management for public, private and industrial clients. She began her career surveying the original alignment of I-49 from Opelousas to Natchitoches and has evolved into managing complex projects throughout Louisiana and the Gulf Coast Region. Denise has conducted field work and managed projects that include biological/ecological sampling, Environmental Site Assessments and Site Investigations, Engineering Evaluations/Cost Analysis (EECA) and managed numerous projects that included wetland delineations, permitting and ecological risk assessments.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).	
05/2020 - ongoing	<b>Chevron Oronite Batture and Landfill Corrective Action, Belle Chase, LA:</b> GeoEngineers is responsible for preparing all permits, USACE, CUP, USCG, LDEQ, LDWF and Plaquemines Parish Government (PPG) for the excavation of impacted material in the Mississippi River batture and replacing and compacting backfill material and completing restoration activities in accordance with those permits. The project is moving into an additional phase that will include preparing the same type of permits for a non-contiguous area. Ms. Radaich is responsible for regulatory compliance.	
5/2020-2021	<b>University Lakes Environment Sampling and Testing, Baton Rouge, LA:</b> Denise was responsible for preparing the sampling plan and implementing the field plan for the environmental sampling of sediments in the University Lake system. Samples were tested for potential constituents of concern and treatability testing for dewatering options.	
2/1991-12/2018	<b>Sibley Lake – Tennessee Gas Pipeline, Natchitoches, LA:</b> Project manager for the first Fish Consumption Advisory to be Lifted in Louisiana. Worked over the years with LDEQ, LDH and LDWF to remediate sediments impacted by PCBs in Sibley Lake and implement a biological sampling program to show the reduction in constituents in fish from the lake.	
1/2010-2/2018	<b>Bayou Verdine Area of Concern of the Calcasieu Estuary, Bayou Verdine Sediment Removal and In-Situ Solidification/Stabilization Westlake, LA:</b> Denise served as the Independent Technical Reviewer and a project engineer on these three projects overseen by USEPA and LDEQ. The work required coordination with DOTD at access and egress points along New Trousdale Road, Old Trousdale Road, Old Spanish Trail and at Isle of Capri Boulevard, under the I-10 overpass and bridge. Meetings were held prior to nightly road closures and during movement of specialized equipment (for Sasol expansion) to coordinate activities between all parties. All required permits were obtained and the work was conducted in accordance with DOTD Work Zone Training Requirements and the FHWA – Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD).	
2002	<b>Engineering Evaluation/Cost Analysis (EE/CA), Lake Charles, LA:</b> Denise assisted in the preparation of an EE/CA for a tidally influenced bayou with contaminated sediments. The work included overseeing wetland delineations, sampling stream beds, biological assessments including Threatened or Endangered Species and critical habitat. These studies and analysis complied with and were completed in accordance with the National Environmental Policy Act (NEPA).	




Firm employed by 				
Name	Brandon C. Muller		Years of relevant experience with this employer	6.5
Title	Senior Environmental Scientist		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		BS/2004/Wildlife Management/Louisiana State University USACE Wetland Delineation Certification/2006 Certified 40-hour HAZWOPER/2007 Specialized Wetland Policy/Permitting Certification/2008 FAA Airport Wildlife Hazard Assessment Certification/2011 Radiation Safety Officer/2012		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		Senior Environmental Scientist		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
2020-2021	<b>Catahoula Lake Permitting; St. Martin Parish, LA:</b> GeoEngineers provided wetland delineation (for United States Army Corps of Engineers Jurisdictional Determination) and cultural resource survey services for the Catahoula Lake Drainage Improvements project located in Catahoula, St. Martin Parish, Louisiana.			
2020	<b>Boy Scouts of America Swamp Base Dock – AT-25; Saint Martin Parish, LA:</b> Senior Environmental Scientist. The Boy Scouts of America (BSA) Swamp Base Camp project included improvements to an existing boat dock. GeoEngineers provided engineering design, and construction of a floating marina dock system that is ADA-compliant for passengers.			
2020-2023	<b>MoveBR Jones Creek Extension – Jefferson to Airline; East Baton Rouge Parish, Louisiana:</b> Senior Environmental Scientist. Responsibilities included wetland surveys, stream channel characterizations, and threatened/endangered species surveys to help the client secure permits along proposed highway right-of-way. Permits required include USACE Section 10/404, Endangered Species Act (ESA), National Historic Preservation Act (NHPA), and LDEQ Section 401 Water Quality Certification.			
2010-2011	<b>Air Products and Chemicals Inc., Gulf Coast Connection Project, Jefferson County, Texas to West Baton Rouge Parish, LA:</b> Senior Environmental Scientist. Responsibilities included wetland surveys, stream channel characterizations, and threatened/endangered species surveys to help the client secure permits along proposed 183-mile pipeline corridor.			
2020-2023	<b>ADB Companies, Bluebird Fiberoptic HDD Mississippi River Crossing, St. Louis, MO:</b> Senior Environmental Scientist. Responsibilities included wetland surveys, stream channel characterizations, and threatened/endangered species surveys to help the client secure permits along proposed HDD Mississippi River Crossing.			

Firm employed by 				
Name	Steven J. David		Years of relevant experience with this employer	1
Title	Senior Environmental Scientist		Years of relevant experience with other employer(s)	16

Prime consultant name: GeoEngineers, Inc.


Degree(s) / Years / Specialization		BS/2007/Wildlife Management/McNeese State University USACE Wetland Delineation Certification/2007 Certified 40-hour HAZWOPER/2007 Specialized Wetland Policy/Permitting Certification/2008	
Active registration number / state / expiration date		Professional Wetland Scientist: #2849, / Expires 2027	
Year Registered	2016	Discipline	Wetland Science
Contract role(s) / brief description of responsibilities		Environmental Scientist	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
2016	<b>Shell Pipeline, St. John the Baptist Parish to West Feliciana Parish Route Analysis Project:</b> Steven worked as Phase Project Manager to develop 16 alternate routes to parallel existing corridors that contained pipelines, utility lines, and railroad grades in order to minimize environmental impacts.		
2016-2019	<b>Entergy Louisiana, LLC., Terrebonne to Bayou Vista 230kV Transmission Line Project, Gray, LA to Patterson, LA:</b> Steven’s responsibilities as Team Leader and Phase Project Manager included wetland surveys and report, stream channel characterizations, Phase 1 site assessments, mitigation coordination, and threatened/endangered species surveys to help the client secure permits along proposed 24 mile 230kV transmission line corridor. Steven also teamed with staff to attain all necessary permits to construct the proposed project with USACE, EPA, LDEQ, LDWF, LDNR, and SHPO, along with all local government agencies. Substation SWPPP plans were also prepared along with monitoring field visits and reports prepared for agency.		
2012-2016	<b>LA Department of Transportation and Development., Multiple New Bridge and Bridge Repairs Projects, St. James and Ascension Parish, LA:</b> Steven’s responsibilities as Team Leader and Phase Project Manager included wetland surveys and reports, stream channel characterizations, and threatened/endangered species surveys to help the client secure permits for multiple bridge installation and repair projects along state roadways.		
2010-2011	<b>Air Products and Chemicals Inc., Gulf Coast Connection Project, Jefferson County, Texas to West Baton Rouge Parish, LA:</b> Steven’s responsibilities as Team Leader included wetland survey and report, stream channel characterizations, and threatened/endangered species surveys to help the client secure permits along proposed 183-mile pipeline corridor.		
2008-2011	<b>LA Department of Transportation and Development., BR Loop Project, West Baton Rouge, Ascension, Iberville, Livingston, and East Baton Rouge Parishes, LA:</b> Steven’s responsibilities as Team Leader included wetland survey and report and threatened/endangered species surveys to help the client decipher the best route along proposed corridors.		

Firm employed by 			
Name	Fiona McNair	Years of relevant experience with this employer	15
Title	Associate Environmental Scientist	Years of relevant experience with other employers (s)	10
Degree(s) / Years / Specialization		(2010) PWS	

Prime consultant name: GeoEngineers, Inc.

	(2003) M.R.M., Watershed Planning and Applied Aquatic Science, Simon Fraser University (1995) B.S., Marine, and Freshwater Ecology, McGill University
Active registration number / state / expiration date	Professional Wetland Scientist: #2011; Expires 12/31/2025
Year registered	2010
Discipline	Wetland Science
Contract role(s) / brief description of responsibilities	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
2022-Ongoing	<b>bp Cherry Point, Advance Mitigation Project 3 – Assessment, Mitigation Design, Permitting and Groundwater &amp; As-Built Monitoring; Blaine, WA:</b> Project manager for the bp Cherry Point Advance Mitigation Project 3 (AMP 3) providing wetland delineation, mitigation design, five years of groundwater monitoring and as-built monitoring services at the 136-ac AMP 3 site located north of Grandview Road between Jackson Road and Blaine Road in Whatcom County.
2010-2013	<b>Grant County PUD, Nason Creek Acclimation Facility, Mitigation Design, Permitting and Geotechnical Services; Chelan County, WA:</b> Project manager for services provided by GeoEngineers to Grant County Public Utility District for their proposed project to construct an intake structure within Nason Creek and an over-winter fish acclimation facility in Chelan County, WA. GeoEngineers services included critical areas assessment; flood modeling; permitting; wetland, river and floodplain mitigation planning; SWPPP preparation; mitigation designs and specifications, and bank stabilization designs and specifications.
2016-2017	<b>City of Everett Public Works, Lake Chaplain Road at Woods Lake Creek Culvert Replacement; Everett, WA:</b> Project manager for this culvert replacement project along the access road for City of Everett’s water supply. The Woods Lake Creek culvert under Lake Chaplain Road is undersized with elevated water surface elevations upstream of the culvert that spill over the road during high winter flows, causing erosion. GeoEngineers developed designs and obtained permits for replacing the culvert while maintaining access to the City water supply. GeoEngineers is currently responding to RFIs and performing construction observation.
2014	<b>WSDOT, SR 530, Emergency Roadway Reconstruction Design-Build; Oso, WA:</b> Led the hydraulic and critical areas assessment (wetland, streams, OHWM, Spotted Owl and Marbled Murrelet) and permitting document preparation for GeoEngineers, as a member of the design-build team for the reconstruction of SR 530 after the Oso landslide. Key accomplishments included, constant agency engagement, onsite wetland mitigation and drainage design with replacement of five culverts within a four month

Prime consultant name: GeoEngineers, Inc.

design schedule.			
Firm employed by 			
Name	Hunter Falcon	Years of relevant experience with this employer	9
Title	Environmental Scientist II	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS Natural Resource Ecology Management (LSU), Concentration in Wildlife Ecology/ 2013 USACE Wetland Delineation Certification (2017) Certified 40-Hour HAZWOPER US DOT Hazmat Certification Radiation Safety Officer Certification (2022)	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Environmental Scientist	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
2018-2020	<b>Island Road Marsh Creation and Nourishment (TE-117), Terrebonne Parish, LA:</b> For this CPRA project, Hunter assisted with marine mammal observations, oversaw field project logistics, and collected soil/sediment and water samples. He has work on numerous other CPRA projects that included wetland delineations, wildlife surveys, and permit preparation.		
2020-2023	<b>MoveBR Jones Creek Extension – Jefferson Hwy to Airline Hwy; East Baton Rouge Parish, LA:</b> Hunter completed a wetland delineation for the project site, that included surveying the onsite wetland vegetation, soil and hydrology survey and characteristics. He assisted in the preparation of the report in accordance with the U.S. Army Corps of Engineers Wetland Delineation Manual (1987) and the Regional Supplement to the Corps of Engineers Wetlands Delineation Manual: Atlantic and Gulf Coast Plains Region, Version 2.0.		
06/14 – 03/15	<b>LADOTD- I-210 Interchange at Cove Lane:</b> Collected soil samples for analysis; construction observation of MSE wall installation and timber pile installation.		
10/19 – 01/20	<b>LADOTD - I-10 Widening (Louise St to I-110):</b> Collected soil samples for analysis		
06/23 - Present	<b>LADOTD - P3 Belle Chasse Bridge &amp; Tunnel Replacement:</b> Construction Monitoring, Pile Driving Analysis		

Firm employed by ENCOS, Inc.			
Name	Joel Chaky	Years of relevant experience with this employer	23
Title	Vice President	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		Bachelor of General Studies, Natural Sciences, 1987	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Principal, project management, scientific diver	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/2021 – Present	<p><b>CPRA System Wide Assessment Monitoring Program (SWAMP)</b> – Currently serving as Program Manager for CPRA’s SWAMP. CPRA uses SWAMP to assess how environmental drivers influence systemic change that affects coastal restoration efforts. Mr. Chaky was heavily involved in developing the sampling protocols and field methods for the SWAMP pilot program in 2015 which only included the Barataria Basin. Since November 2015 the SWAMP program grew from 23 locations to 120 sites across all hydrologic basins of Louisiana. The SWAMP program is meant to provide additional data to achieve the overall goals of restoration efforts supporting the State of Louisiana’s Master Plan. Mr. Chaky oversees all aspects for SWAMP and ensures all deadlines are met and data flow is maintained.</p>		
08/2014 - Present	<p><b>Installation of Real-Time Physical Oceanographic Measurement Stations for the Port of Morgan City</b> - Mr. Chaky was the Project Manager for the installation, operation and yearly maintenance of the Morgan City Harbor and Terminal District (MCHTD) met-ocean measurement systems at Eugene Island and the Atchafalaya Bar Channel stations located on the lower Atchafalaya River. Mr. Chaky collaborated on station design and provided oversight to ensure these systems were installed to the requirements and standards of the National Oceanographic and Atmospheric Administration’s (NOAA’s) Physical Oceanographic Real-Time Systems (PORTS®) and that all deadlines and project benchmarks were met. The systems installed, intend to enhance the MCHTD’s management of various activities related to this portion of the channel including emergency response activities, maritime commerce, and navigation safety. The PORTS® system will provide information to the MCHTD management team such as wind speed, wind direction, atmospheric pressure, salinity, water levels, waves, and currents. The MCHTD management team uses this information to manage and direct assets during an emergency (<i>i.e.</i> oil spills, barge accidents) or natural disasters. The information will also assist in determining the strategic time for maintenance in the Eugene Island Bar channel for continued maritime commerce. In 2018, the Eugene Island Bar Channel was damaged by an allision from a barge. The station was damaged and was subsequently removed and replaced. Mr. Chaky coordinated with NOAA and the MCHTD to re-install the station at the original location. Joel also coordinated with instrument manufacturers for the purchase of new equipment and inspection and repair of recovered equipment from the station. The re-installation of the station after funding was approved, was installed and operation in 3 months. Mr. Chaky is currently working with the NOAA PORTS survey group to install a survey grade GPS reference station on the North Eugene Island water level station so water level can be corrected daily and to verify the stability of this station.</p>		
06/2022 – 09/2022	<p><b>Chustz Surveying, LLC, Installation of Acoustic Doppler Current Profilers (ADCPs) and Water Level Sondes Near Reggio, LA</b> - Joel Chaky was the Principal Scientist for the installation of five (5) ADCPs and five (5) water level sondes near the Reggio, La area. The ADCPs collected water velocity data and the data was used in conjunction with bathymetric surveys performed near the installations, to calculate the volumetric flow through the bayous. The water level and ADCP data were used</p>		

Prime consultant name: GeoEngineers, Inc.

	<p>to develop a hydrologic and hydrodynamic model of the area. The installations were visited after one month for data download and site inspection. The data collected were to assist in a water control structure design and its effects on the hydrology of the model area. Data was processed and analyzed. Processed data was provided to the client in tabular format. All raw data was also provided to the client for archiving. Water level data for each water level sensor was converted to North American Vertical Datum 1988. Mr. Chaky reviewed data and the associated technical memorandum provided to the client.</p>
07/2021	<p><b>Mississippi River Velocity Measurement Supporting Pipeline Removal Near Donaldsonville, Louisiana</b> - Mr. Chaky served as the principal scientist for this project. Mr. Chaky assisted the field team that conducted these measurements on the Mississippi River. The measurements were made to assist pipeline removal vessels and divers develop work plans for anchoring and diving operations for the safe removal of the pipeline. The field team conducted transects at three locations upstream of the pipeline crossing, at the pipeline crossing, and downstream of the pipeline crossing. The measurements were run perpendicular to the river flow. Two river crossings were made at each location and the discharge values were compared to each other. To validate the data, the discharge values had to be within 5% of each other. If the transects compared were greater than 5%, then additional transects must be made. Only two pairs of transects were required at each site. The data was reviewed and provided to the client in tabular and native instrument format. The data was also presented graphically within the body of technical memorandum. Mr. Chaky reviewed the data and technical memorandum prior to submission to the client.</p>
11/2016 – 05/2017	<p><b>CPRA Wave Monitoring and Analysis of Non-Rock Alternatives to Shoreline Protection Demonstration Project</b> - Mr. Chaky was ENCOS' Project Manager for the CPRA demonstration project of non-rock alternatives to shoreline protection located in Vermillion Bay. Four types of non-rock breakwaters were previously installed at the project site with the objective being to quantify wave transmission coefficients at each of the four breakwater installations. The data was collected behind each breakwater by installing a Data Collection Platform (DCP) with an Ocean Sensor Systems, Inc. (OSSI) capacitance wave logger. The fifth DCP was located offshore, in front of the four (4) breakwaters, was built to collect offshore wave heights and period to compare against the wave gauge data collected behind each breakwater. The offshore DCP included the following instruments: an ADCP, an OSSI pressure sensor wave gauge, an In-Situ BaroTROLL Barometric Pressure Logger, and a YSI 6920 V2 water sonde. Mr. Chaky worked with the project model team to develop a strategy to gather wave data for their use in developing wave transmission coefficients for each structure.</p>
06/2016 – 05/2017	<p><b>Biologic Oyster Assessment for Texas Gas Transmission, LLC</b> - Mr. Chaky was the Project Manager. Mr. Chaky ensured that all field schedules were met, and all data were collected to the protocols established by the Oyster Lease Damage Evaluation Board (OLDEB) and Louisiana Department of Wildlife and Fisheries. Mr. Chaky made sure the project met all timelines as the project progressed and that the staff assigned to the project adhered to the budget.</p>
11/2017	<p><b>Lake Pontchartrain Basin Foundation Oyster Sampling</b> - Joel Chaky served as the Principal Scientist on this project. Mr. Chaky duties were to make sure that areas identified during a recent side scan survey were located by the scientific diver and sampled. Each square meter sample was returned to the boat and samples were sorted in the field to identify oysters and other benthic organisms collected within the square meter sample margin. Once sorted, samples were turned over to the University of New Orleans for final analysis. The sampling attempted to identify what, if any, area was capable of rehabilitation to support oyster seeding and production.</p>

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Firm employed by ENCOS, Inc.			
Name	Coklin Nguyen	Years of relevant experience with this employer	1
Title	Senior Scientist / Operations Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		Bachelor of Science, Natural Resource Ecology and Management, 2015	
Active registration number / state / expiration date		License 7701 and 3.8 CEUS – USACE Wetland Delineation Certifications	
Year registered		Discipline	Certified CPRA Levee Inspector /Louisiana/(April 2027)
Contract role(s) / brief description of responsibilities		Biologist for Wetland Delineations, professional, scientific diver	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/2022 – Present	<p><b>CPRA System Wide Assessment Monitoring Program (SWAMP)</b> – Mr. Nguyen is working as a Senior Scientist on CPRAs System Wide Assessment Monitoring Program (SWAMP). Mr. Nguyen works closely with the SWAMP Project Managers for field preparations of vessels, preparing decontaminating grab sampling equipment, and organizing field equipment. CPRA uses SWAMP to develop sampling protocols to access how environmental drivers influence systemic change that affects coastal restoration efforts. Mr. Nguyen is involved in all field sample collection and handling, scheduling all sample collection activities, preparing sampling equipment, and arranging sample drop-off at the designated laboratory for sample analysis. Mr. Nguyen is also responsible for entering the field data into the database, as well as performing QA/QC on the data.</p>		
09/2022 - Present	<p><b>Maintaining of Real-Time Physical Oceanographic Measurement Stations for the Port of Morgan City</b> - Mr. Nguyen serves as a Staff Scientist III for his involvement with the Morgan City Harbor and Terminal District (MCHTD) in performing current routine and annual maintenance of two met-ocean measurement systems at the Eugene Island Bar Channel on the lower Atchafalaya River that is compliant with the requirements and standards of the National Oceanographic and Atmospheric Administration’s (NOAA’s) Physical Oceanographic Real-Time Systems (PORTS®). This maintenance includes the cleaning of the instruments, upgrading any of the hydrologic instruments, and troubleshooting if any problems arise. The system intends to enhance the MCHTD’s management of various activities related to this portion of the channel including emergency response activities, maritime commerce, navigation safety, and coastal resource assets. The PORTS® system will provide information to the MCHTD management team such as wind speed, wind direction, atmospheric pressure, salinity, water levels, waves, and currents. The management team uses this information to manage and direct assets during an emergency (i.e. oil spills, barge accidents) or natural disasters. The information will also assist in determining the strategic time for maintenance in the Eugene Island Bar channel for continued maritime commerce.</p>		

Prime consultant name: GeoEngineers, Inc.

10/2022 - 08/2023	<b>Power Engineers, Williams LEG Pipeline Project in Beauregard, Calcasieu, Caddo, DeSoto, Sabine, and Vernon Parishes, LA</b> – Mr. Nguyen was a Senior Scientist and Lead Delineator providing ecological survey support along an approximately 165-mile proposed pipeline project. Wetlands and waterbodies were surveyed across seven different parishes using sub-meter real-time differentially corrected Global Positioning System Technology. Concurrently, performed Threatened and Endangered Species Habitat Surveys.
06/2022 – 09/2022	<b>Chustz Surveying, LLC, Installation of Acoustic Doppler Current Profilers (ADCPs) and Water Level Sondes Near Reggio, LA</b> - Mr. Nguyen was a Scientist involved in the installation of five (5) ADCPs and five (5) water level sondes near the Reggio, La area. The ADCPs collected water velocity data and the data was used in conjunction with bathymetric surveys performed near the installations, to calculate the volumetric flow through the bayous. The water level and ADCP data were used to develop a hydrologic and hydraulic models of the area. The installations were visited after one month for data download and site inspection. Mr. Nguyen also assisted in the removal of all instruments and stations after the two-month duration of the project.
08/2022	<b>Delta Land Services, LLC., Installation of Water Level Stations Near Reggio, LA</b> - Mr. Nguyen was a Scientist involved in the installation of five (5) water level stations and three (3) boardwalks near the Tchefuncte River, La area. In-Situ Level Troll 700s were installed into aluminum uni-poles with treated wooded boardwalks for accessibility. Two of the remote water level stations utilized Vu-Link telemetry for real time data collection. The water level data is being used to develop a hydrologic model of the area for planned habitat improvements of a potential mitigation bank. The stations were installed as permanent structures for long-term monitoring.
05/2022	<b>Royal Engineers and Consultants, LLC, CPRA BS-0033 East Bank Sediment Transport Corridor in St. Bernard Parish, LA</b> - Mr. Nguyen was a Scientist involved in the collection of discharge data along a proposed pipeline corridor that ran from Delacroix, Louisiana to Davant, Louisiana. Velocity data was collected by two teams at eighteen (18) separate locations using SonTek M9 River Surveyors (M9) during a single flood and ebb tide cycle. Mr. Nguyen was tasked with operating one of the marine vessels and one of the M9s during the discharge survey. These measurements were used to aid engineers with the design of culverts, bridges, and other structures to maintain the current hydrologic exchange along the proposed corridor.
12/2014 – 04/2015	<b>Hydrodynamic Modeling for Cameron Meadows Marsh Creation and Wetland Restoration, Cameron Parish, Louisiana</b> - Mr. Nguyen served as a technician for his involvement to provide water quality monitoring for a three-month period to support the Louisiana Coastal Protection and Restoration Authority’s (CPRA) Cameron Meadows Project (TO-26). Mr. Nguyen and the ENCOS team provided data collection services associated with the monitoring included water levels, salinity, and Vx and Vy water velocity magnitude to The Water Institute of The Gulf (TWIG). Mr. Nguyen helped install and maintain, monthly, four (4) data collection platforms (DCPs) that housed multi-parameter data sondes and horizontal acoustic doppler current profilers (HADCPs).
12/2013 – 07/2014	<b>Terrebonne Freshwater Re-Introduction Project (TE110)</b> - Mr. Nguyen was a technician involved with the installation and maintenance of 12 DCPs that collected water level converted to NAVD 88, flow direction, flow magnitude, salinity, and water temperature. This data was used for model calibration points for the development of a hydrologic model for the Terrebonne Freshwater Re-Introduction Project (TE110). Each DCP collected hourly data for a six-month period. In addition to the hourly data, ENCOS performed biweekly synoptic discharge measurements at 12 locations within the project area.
02/2013 – 10/2013	<b>Coles Bayou Marsh Restoration Project (TV_0063)</b> - Mr. Nguyen was a technician involved with the data collection associated with the Cole's Bayou Marsh Restoration Project (TV-0063). This data supported the development of a hydrologic



	model for the Gulf Coast of Louisiana in Vermillion Parish within the Teche/Vermillion Basin, immediately east of Freshwater Bayou Canal. Mr. Nguyen assisted with installation and maintenance of DCPs. In addition, Mr. Nguyen supported the monthly DCP visits to recover data, clean the sensor, and calibrate the sensors. Automated sample collection for three (3) separate suspended sediment events. The three (3) environmental triggers were a frontal passage, ambient conditions, and high wind event. The data was collected for a 24-hour period covering a full tidal cycle.
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Firm employed by ENCOS, Inc.				
Name	Steven Tidwell		Years of relevant experience with this employer	6
Title	Project Manager / Senior Scientist		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		Bachelor of Science in Geological Engineering, 2011		
Active registration number / state / expiration date		Title of Engineering Intern – License No. 7965		
Year registered		Discipline		
Contract role(s) / brief description of responsibilities		Professional, project management		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/2017 - Present	<b>Installation of Real-Time Physical Oceanographic Measurement Stations for the Port of Morgan City</b> - Mr. Tidwell serves as a Staff Scientist IV/Project Manager for his involvement with the Morgan City Harbor and Terminal District (MCHTD) in performing current routine and annual maintenance of two met-ocean measurement systems at the Eugene Island Bar Channel on the lower Atchafalaya River that is compliant with the requirements and standards of the National Oceanographic and Atmospheric Administration’s (NOAA’s) Physical Oceanographic Real-Time Systems (PORTS®). This maintenance includes the cleaning of the instruments, upgrading any of the hydrologic instruments, and troubleshooting if any problems arise. The system intends to enhance the MCHTD’s management of various activities related to this portion of the channel including emergency response activities, maritime commerce, navigation safety, and coastal resource assets. The PORTS® system will provide information to the MCHTD management team such as wind speed, wind direction, atmospheric pressure, salinity, water levels, waves, and currents. The management team uses this information to manage and direct assets during an emergency (i.e. oil spills, barge accidents) or natural disasters. The information will also assist in determining the strategic time for maintenance in the Eugene Island Bar channel for continued maritime commerce. Mr. Tidwell is responsible for scheduling maintenance trips, daily monitoring of the system, and composing trip reports for NOAA.			
09/2021 - Present	<b>CPRA System Wide Assessment Monitoring Program (SWAMP)</b> - Mr. Tidwell is currently serving as a Project Manager working on CPRAs System Wide Assessment Monitoring Program (SWAMP). The Coastal Planning and Restoration Authority (CPRA) uses SWAMP to develop sampling protocols to access how environmental drivers influence systemic change that affect coastal restoration efforts. Mr. Tidwell is involved in all field sample collection and handling, scheduling all sample collection activities, preparing sampling equipment, and arranging sample drop-off at the designated laboratory for sample analysis. Mr. Tidwell is also responsible for entering the field data into the database, as well as performing QA/QC on the data.			
08/2022 - 09/2022	<b>Delta Land Services, LLC., Installation of Water Level Stations</b> - Mr. Tidwell was a Scientist IV / Project Manager involved in the installation of seven (7) water level stations and five (5) boardwalks near the Tchefuncte River, La area. Mr. Tidwell worked with other scientists to manage the logistics of the installations. In-Situ Level Troll 700s were installed into aluminum uni-poles			

Prime consultant name: GeoEngineers, Inc.

	<p>with treated wooded boardwalks for accessibility. Two of the remote water level stations utilized Vu-Link telemetry for real time data collection. The water level data is being used to develop a hydrologic model of the area for planned habitat improvements of a potential mitigation bank. The stations were installed as permanent structures for long-term monitoring. Mr. Tidwell worked with the client to ensure that the remote data was transmitting properly and that their staff were trained on how to download the Level Troll 700s and VuLink equipment.</p>
06/2022	<p><b>Freese and Nichols, Inc., No Name Bayou Marsh Creation Project – Oyster Survey, Cameron Parish, LA</b> – Mr. Tidwell was a Scientist III / Project Manager involved in the biological oyster assessment performed on the southern extents of Calcasieu Lake. This area would be affected by the proposed dredging and transport of the dredged materials. Mr. Tidwell was responsible for working with the client to schedule and perform the surveys. The bottom-type survey was performed by poling the bottom with a carbon fiber pole and determining the firmness of the bottom. Mr. Tidwell was responsible for configuring the hardware (SonTek M9 RiverSurveyor and Trimble R2 GPS unit) in Hypack and collecting the data in the software. The software was also used to plan and execute the dredge and dive sampling that occurred after the initial polling survey. Mr. Tidwell was responsible for assisting in the dredge and dive sample collections and recording field notes when needed. Mr. Tidwell was also responsible for the operation of the vessel needed to complete the survey.</p>
06/2022 – 01/2017	<p><b>CDM Smith, LLC, Shoreline Protection at Jean Lafitte National Historic Park and Preserve</b> - Mr. Tidwell was a Scientist IV / Project Manager involved in the installation of data collection platforms in the Jean Lafitte National Park and Preserve, near Marrero, LA. These installations are needed to provide pre and post shoreline protection construction data to ensure that the breakwaters are reducing the wave energy impacting the shoreline. Mr. Tidwell assisted with the design and fabrication of the DCPs prior to the installation and the instrument setup onsite. The instruments that were installed on the DCPs were Solinst Levelogger 5 pressure sensors, to measure water level and conductivity, and Nortek Aquadopp, to measure waves and longshore currents. Mr. Tidwell was responsible for the scheduling of field activities and communicating with the clients for scheduling and when questions about data arose. Mr. Tidwell was/is responsible for the maintenance and storage of the equipment until they are needed for redeployment.</p>
08/2017 – 02/2018	<p><b>Royal Engineers and Consultants, LLC, Collection of water level and wave data Northwest of Rabbit Island, Cameron Parish, Louisiana</b> – Mr. Tidwell was a Scientist III involved with the collection of water level and wave data at a location Northwest of Rabbit Island in Cameron Parish, Louisiana. The data was collected by installing a DCP at the site chosen during an earlier scouting trip. The instruments installed on the DCP included a YSI 6920V2 water level sensor, an OSSSI capacitance wave logger, an OSSSI pressure wave gauge, and an In-Situ Rugged BaroTroll for barometric pressure. Data was collected for a one-month period, then downloaded from the sensors before the final decommissioning of the DCP. Mr. Tidwell was responsible for the calibration and installation of the hydrologic instruments and composing the installation and decommissioning reports for the clients.</p>
08/2017 – 10/2017	<p><b>Royal Engineers and Consultants, LLC, Discharge Data Collection in Bayou Terre Aux Bouefs</b> - Mr. Tidwell was a Scientist III involved in the collection of discharge data in the Bayou Terre Aux Bouefs area, as contracted by Royal Engineers and Consultants, LLC. Mr. Tidwell was tasked with the design and installation of two DCPs in Bayou Terre Aux Bouefs. The DCPs were outfitted with ADCPs to measure the water velocity in the waterway and were comprised of two monopoles with two support poles. Mr. Tidwell was also coordinated planning the discharge surveying events to coincide with the flood and ebb tide cycles, operating the marine vessel during the discharge surveys, performing the discharge surveys using a SonTek M9 RiverSurveyor,</p>

and decommissioning of the two DCP. The surveys were performed during flood and ebb tide events at the DCPs installed by ENCOS personnel, as well as in the connecting bayous to the North and South for a total of six sites.

Firm employed by ENCOS, Inc.			
Name	Rachel Mixon	Years of relevant experience with this employer	2
Title	Scientist	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S., Applied Coastal Environmental Sciences, Louisiana State University, December 2021	
Active registration number / state / expiration date		Certified CPRA Levee Inspector /Louisiana/(April 2027)	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Biologist, professional, scientific diver	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
06/2021 - Present	<b>CPRA System Wide Assessment Monitoring Program (SWAMP)</b> - Ms. Mixon is working for ENCOS as staff scientist focusing on data analysis and preparation for CPRAs System Wide Assessment Monitoring Program (SWAMP). The Coastal Planning and Restoration Authority (CPRA) uses SWAMP to assess how environmental drivers influence systemic change that affects coastal restoration efforts. Ms. Mixon is primarily responsible for data analysis for this project. Ms. Mixon is responsible for downloading the collected data from the YSI Pro DSS and formatting/recording the data into a QA/QC formatted spreadsheet for collected samples before the data is submitted. Rachel also assists in field sample collection and handling and preparing sampling equipment.		
06/2021 - Present	<b>Installation of Real-Time Physical Oceanographic Measurement Stations for the Port of Morgan City</b> - Ms. Mixon serves as a staff scientist assisting the project manager with the Morgan City Harbor and Terminal District (MCHTD) in current routine and annual maintenance of two met-ocean measurement systems at the Eugene Island Bar Channel on the lower Atchafalaya River that is compliant with the requirements and standards of the National Oceanographic and Atmospheric Administration’s (NOAA’s) Physical Oceanographic Real-Time Systems (PORTS®). Ms. Mixon assists Senior Staff Scientists in the cleaning of instruments/stations and downloading data from the stations. The system intends to enhance the MCHTD’s management of various activities related to this portion of the channel including emergency response activities, maritime commerce, navigation safety, and allocation of assets.		
07/2021 - Present	<b>BASF Zachary Remediation System Operation and Maintenance</b> - ENCOS is contracted through BASF to take daily readings of Well MW-2A. Ms. Mixon is responsible for the monthly maintenance of the DXA Ground Water Operating Record by inputting the recorded values and calculating the daily pump rates. Ms. Mixon is then responsible for the calculation of the monthly and daily pumping averages for this well. Rachel created and continues to update several figures that demonstrate the monthly average and total gallons pumped by Well MW-2A throughout 2021. Ms. Mixon is also responsible for uploading, organizing, and analyzing monthly manifests for this project.		


Prime consultant name: GeoEngineers, Inc.

07/2021 - Present	<b>BASF Groundwater Monitoring Program</b> - ENCOS is contracted through BASF to conduct groundwater monitoring of three wells in Area A. Ms. Mixon is responsible for updating the Historical Chlorobenzene Concentration Data graphs for each well as new data is provided. Ms. Mixon also assists in analyzing data from wells in Area J at the BASF Corporation Facility in Geismar, Louisiana. She organized the Chloride Data from 1999 to 2021 from five different wells into a graph and interpreted the results in the groundwater report
06/2022	<b>Freese and Nichols, Inc., No Name Bayou Marsh Creation Project – Oyster Survey, Cameron Parish, LA</b> – Rachel was a biologist for this oyster assessment performed on the southern extents of Calcasieu Lake. This area would be affected by the proposed dredging and transport of the dredged materials for the CS-0078 Marsh Creation Cell . Ms. Mixon classified the water bottom as a carbon fiber pole. After the data collection was complete Ms. Mixon collated the dive and dredge data and provided that data to the project manager for delivery to the client for the final report.
10/2022 – 08/2023	<b>Power Engineers, Williams LEG Pipeline Project in Beauregard, Calcasieu, Caddo, DeSoto, Sabine, and Vernon Parishes, LA</b> – Rachel was a Scientist assisted in ecological survey support along an approximately 165-mile proposed pipeline project. Wetlands and waterbodies were surveyed across seven different parishes using sub-meter real-time differentially corrected Global Positioning System Technology. Concurrently, assisted Lead Delineator with Threatened and Endangered Species Habitat Surveys.

Firm employed by ENCOS, Inc.			
Name	Jeremy Thompson	Years of relevant experience with this employer	2
Title	Scientist	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S Coastal Environmental Science, Louisiana State University May 2022	
Active registration number / state / expiration date			
Year registered		Discipline	
Contract role(s) / brief description of responsibilities		Professional, biologist, scientific diver	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/2021 - Present	<b>CPRA System Wide Assessment Monitoring Program (SWAMP)</b> – Jeremy is currently working for ENCOS as staff scientist focusing on data analysis and preparation for CPRAs System Wide Assessment Monitoring Program (SWAMP). The Coastal Planning and Restoration Authority (CPRA) uses SWAMP to assess how environmental drivers influence systemic change that affects coastal restoration efforts. Mr. Thompson is responsible for downloading the collected data from the YSI Pro DSS and formatting/recording the data. This process is the first step in the SWAMP QA/QC process before being sent to the QA/QC officer.		
07/2021 - Present	<b>Installation of Real-Time Physical Oceanographic Measurement Stations for the Port of Morgan City</b> - Mr. Thompson serves as a staff scientist assisting the project manager with the Morgan City Harbor and Terminal District (MCHTD) in current routine and annual maintenance of two met-ocean measurement systems at the Eugene Island Bar Channel on the lower Atchafalaya River that is compliant with the requirements and standards of the National Oceanographic and Atmospheric Administration’s (NOAA’s) Physical Oceanographic Real-Time Systems (PORTS®). Mr. Thompson assists Senior Staff Scientists in the cleaning of instruments/stations and downloading data from the stations. The system intends to enhance the		

Prime consultant name: GeoEngineers, Inc.


	MCHTD's management of various activities related to this portion of the channel including emergency response activities, maritime commerce, navigation safety, and allocation of assets.
10/2022 – 08/2023	<b>Power Engineers, Williams LEG Pipeline Project in Beauregard, Calcasieu, Caddo, DeSoto, Sabine, and Vernon Parishes, LA</b> – Mr. Thompson was a Scientist assisted in ecological survey support along an approximately 165-mile proposed pipeline project. Wetlands and waterbodies were surveyed across seven different parishes using sub-meter real-time differentially corrected Global Positioning System Technology. Concurrently, assisted Lead Delineator with Threatened and Endangered Species Habitat Surveys.
08/2022 - 09/2022	<b>Delta Land Services, LLC., Installation of Water Level Stations</b> - Mr. assisted with the installation of seven (7) water level stations and five (5) boardwalks near the Tchefuncte River, La area. Jeremy worked with other scientists to assist with construction of fabricated aluminum poles housing the InSitu LevelTroll 700s, fabrication of boardwalks, inspection and testing of the InSitu Level Troll 700s (Level Troll). The Level Trolls were installed into aluminum uni-poles with treated wooded boardwalks for accessibility. Two of the remote water level stations utilized Vu-Link telemetry for real time data collection. The water level data is being used to develop a hydrologic model of the area for planned habitat improvements. potential mitigation bank. The stations were installed as permanent structures for long-term monitoring.

Firm employed by 				
Name	Seneca Toussant, PE		Years of relevant experience with this employer	3
Title	Principal		Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization		B.S., Biological Engineering, 1999, Louisiana State University		
Active registration number / state / expiration date		P.E. #36080/ Louisiana/ 09/30/2023		
Year registered	2010	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Seneca Toussant has over 20 years of civil engineering experience including program management, master planning, roadways, water and wastewater treatment, drainage and utilities, as well as traffic control and stakeholder coordination and outreach. Mr. Toussant has successfully completed construction management, contract administration, inspection, and documentation for projects with construction budgets as small as \$50K to larger and more complex improvements of up to \$20M.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/2020-12/2022	<b>MOVEBR Capacity Program Management  Baton Rouge, LA</b> Mr. Toussant serves as project manager for specialty contracts for the MoveBR Capacity program management team. He is responsible for the specialty contracts program for environmental services. His responsibilities include preparing project scopes, soliciting proposals, contract negotiations, submittal coordination and submittal reviews, including permit preparation assistance for USACE Section 10/404 & 408 permitting, Phase I and Phase II Environmental Site Assessments.			

Prime consultant name: GeoEngineers, Inc.


08/2021-Ongoing	<p><b>Entergy Louisiana - Diamond D Industries  Calcasieu Parish, LA</b></p> <p>Mr. Toussant is project manager responsible for multiple projects for Diamond D Industries on behalf of Entergy Louisiana. Services include preparing Coastal Use Permits for the Louisiana Department of Natural Resources, USACE coordination, temporary traffic control plans and permits throughout the state of Louisiana to DOTD for road and lane closures and civil site design for laydown yards, driveway permitting to DOTD and multiple Parishes.</p>
11/2022-05/2023	<p><b>Hall and Guth Borrow Pit   Lake Charles, LA</b></p> <p>Mr. Toussant was project manager responsible for the preparation of permit figures and applications to Calcasieu Parish and LDEQ for 220 acre borrow pit located in Lake Charles Louisiana. Figures included permit figures to show wetlands to be avoided, and Stormwater Management plans and coordination with Wildlife and Fisheries to identify any endangered species that could be impacted</p>
06/2022-12/2022	<p><b>Phase I Environmental Site Assessment – LSU Fire and Emergency Training Institute  Baton Rouge, LA</b></p> <p>Mr. Toussant was project manager for preparing a Phase I Environmental Site Assessment at the LSU Fire and Emergency Training Institute in conformance with ASTM Standard Practice E1527 – 13.</p>
01/2022-10/2022	<p><b>Phase II Environmental Site Assessment – LSU Fire and Emergency Training Institute  Baton Rouge, LA</b></p> <p>Mr. Toussant was project manager for the Phase II Environmental Site Assessment at the LSU Fire and Emergency Training Institute required based on RECs discovered from La Terre’s Phase I ESA of the site.</p>
11/17 – 06/20	<p><b>Greater Lafourche Port Commission, Integrated Feasibility Report and Environmental Impact Statement  Port Fourchon, LA</b></p> <p>Mr. Toussant was the Engineering Lead, involved in Draft and Final Feasibility Report and Environmental Impact Statement (IFR-EIS) for improvements to the federal navigation project at Port Fourchon on behalf of GLPC. His responsibilities include developing the engineering appendix to address the engineering items that relate to the construction and maintenance of the tentatively selected plan (TSP).</p>
2016	<p><b>LA 3127 Extension Corridor Study   Ascension Parish, LA</b></p> <p>Mr Toussant provided QA/QC for a feasibility study for the extension of LA 3127 from its current terminus at LA 70 in Ascension Parish to the intersection of LA 943 and US Hwy 1 including a proposed Bayou Lafourche bridge crossing at Hwy 1 and LA 308. The feasibility study included the development of concept alignments with the intent to provide access specifically to the Westbank Industrial Overlay District in Ascension Parish. Design criteria established for the project pertain to DOTD Roadway Design Standards and AASHTO Geometric Design of Highways and Streets.</p>
2014	<p><b>S.P. No. H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) in Ascension Parish for LADOTD   Ascension Parish, LA</b></p> <p>Mr. Toussant provided QA/QC for the roadway and drainage design conceptual design.</p>
02/07 – 06/08	<p><b>S.P. No. 817-41-0014, CP Project No. 06-CS-HC-0029: South Harrell’s Ferry Road Improvements   Baton Rouge, LA</b></p> <p>Mr. Toussant prepared the horizontal and vertical alignments for the roadway utilizing InRoads and subsurface drainage design which was completed utilizing the LADOTD hydraulics software.</p>

2012	<b>S.P. No. H.009837.1: Stage 0 Feasibility Study and Environmental Inventory for Mobility Improvements for LA 64 (LA 1019 to LA 16)   Livingston Parish, LA</b> Mr. Toussant was responsible for the QA/QC for the proposed alternatives geometry, typical sections and conceptual plans.
03/13 – 03/14	<b>S.P. No. H.010211.1: Stage 0 Feasibility Study and Environmental Inventory for I-110 NB Ramp at Capitol Access Rd   Baton Rouge, LA</b> Mr. Toussant provided QA/QC for the roadway and drainage design conceptual design.
03/13 – 03/14	<b>S.P. No. H.010571.1: Stage 0 Feasibility Study and Environmental Inventory for LA 70 Bypass in Assumption Parish for LADOTD   Assumption Parish, LA</b> Mr. Toussant was responsible for completing construction cost estimates for over 85 Miles of Traffic Contingency Detour Routes including determining existing ROW and required ROW, taking inventory of as-built plans for the existing geometric section, and determining the required section based on the design criteria and roadway classification.

Firm employed by 			
Name	Lyle Tyes, EI	Years of relevant experience with this employer	2.5
Title	Inspector	Years of relevant experience with other employer(s)	0.5
Degree(s) / Years / Specialization		B.S. /2020 / Civil Engineering	
Active registration number / state / expiration date		EI. 35128 / Louisiana / 09.30.2024	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. Tynes is a graduate of Louisiana State University in Civil Engineering. Mr. Tynes is proficient in CADD and his experience includes Phase 1 and Phase II Site assessments, Section 10/404 & 408 permitting support as well as engineering design for a wide range of projects, construction documents and agency coordination.	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
02/2022-Ongoing	<b>Louisiana Watershed Initiative LA 22 Gapping Project   Ascension, LA</b> Mr. Tynes is part of the grant administration team for the project and his responsibilities included preparation of Environmental Review Records which included solicitation of views from federal and state agencies including LDEQ, LDWF, USACE, SHPO, LDNR, EPA, FEMA, USFWS, and Tribal agencies.		
01/2022-12/2022	<b>MoveBR Capacity Management Program   Baton Rouge, LA</b> Mr. Tynes provided drafting and permit drawing support and permit preparation assistance for USACE Section 10/404 & 408 permitting for multiple projects as part of the capacity management program for the City of Baton Rouge’s MoveBR Capacity Program.		
06/2022-12/2022	<b>Phase I Environmental Site Assessment – LSU Fire and Emergency Training Institute   Baton Rouge, LA</b>		

Prime consultant name: GeoEngineers, Inc.

	Mr. Tynes was part of the team responsible for preparing a Phase I Environmental Site Assessment at the LSU Fire and Emergency Training Institute in conformance with ASTM Standard Practice E1527 – 13. He assisted with interviews and site reconnaissance as part of the assessment.
01/2022-10/2022	<b>Phase II Environmental Site Assessment – LSU Fire and Emergency Training Institute  Baton Rouge, LA</b> Mr. Tynes assisted with the Phase II Environmental Site Assessment at the LSU Fire and Emergency Training Instituted required based on RECs discovered from La Terre’s Phase I ESA of the site.
11/2022-Ongoing	<b>Jeff Davis Electric CO-OP, Inc. - Diamond D Industries  Cameron Parish, LA</b> Mr. Tynes is providing engineering and construction support as required for multiple projects for Diamond D Industries on behalf of Entergy Louisiana. This support includes preparing Coastal Use Permits for the Louisiana Department of Natural Resources, USACE coordination, temporary traffic control plans and permits throughout the state of Louisiana to DOTD for road and lane closures and civil site design for laydown yards, driveway permitting for DOTD and multiple Parishes.
11/2021-05/2023	<b>Hall and Guth Borrow Pit   Lake Charles, LA</b> Mr. Tynes was responsible for the preparation of permit figures and applications to Calcasieu Parish and LDEQ for 220 acre borrow pit located in Lake Charles Louisiana. Figures included preparation of permit figures to show wetlands to be avoided, and he also prepared Stormwater Management plans and coordinated with LDWF to identify any endangered species.

Firm employed by 				
Name	Roman Hundley		Years of relevant experience with this employer	>1
Title	Technician		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. /2020 / Biological Engineering		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Mr. Hundley is a graduate of Louisiana State University in Biological Engineering. Mr. Hundley is proficient in CADD and his experience includes drawings and permit figure preparation for multiple agencies, including the USACE, LADOTD and multiple Parishes.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
06/2023-Ongoing	<b>Entergy Louisiana - Diamond D Industries  Calcasieu Parish, LA</b> Mr. Hundley is providing engineering and construction support as required for multiple projects for Diamond D Industries on behalf of Entergy Louisiana. This support includes preparing Coastal Use Permits for the Louisiana Department of Natural Resources, USACE coordination, temporary traffic control plans and permits throughout the state of Louisiana to DOTD for road and lane closures and civil site design for laydown yards, driveway permitting for DOTD and multiple Parishes.			
06/2023-Ongoing	<b>Jeff Davis Electric CO-OP, Inc. Transmission Line Project - Diamond D Industries   Cameron Calcasieu Parish, LA</b>			

Prime consultant name: GeoEngineers, Inc.



	Mr. Hundley providing dewatering calculations and dewatering plans for three required river crossing for proposed utility lines and also prepared a traffic access plan for permitting and approval by LADOTD required as part of the JDEC Transmission Line Project.
06/2023-Ongoing	<b>Bayou Stumpy Drainage Improvements   Erwinville, LA</b> Mr. Hundley is construction administration support for the Bayou Stump Drainage Improvements projects for West Baton Rouge Parish. His responsibilities include permitting coordination with LADOTD for right-of-way access and construction administration as needed.

**17. Firm Experience:**

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

Firm name	GeoEngineers, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	MoveBR Jones Creek Extension (Jefferson HWY to Airline HWY)		Firm responsibility (prime or sub?)	Prime
Project number	16710-076-00	Owner's name	East Baton Rouge Parish; City of Baton Rouge	
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	Daniel Marks
Owner's address, phone, email	209 West Vermilion Street, Lafayette, LA 70501; 337.351.5983; Daniel.marks@csrsinc.com			
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)		\$27,105
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		N/A

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

GeoEngineers completed a wetland delineation, threatened and endangered species survey and is in the process of obtaining USACE Section 404 and LDEQ Section 401 permits for the future Jones Creek Extension between Jefferson Highway and Airline Highway in Baton Rouge. GeoEngineers worked with design and traffic management consultants on the project to help minimize potentially jurisdictional wetlands regulated by the USACE.

Hunter Falcon – Field Scientist; Brandon Muller – Environmental Scientist

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

\*\*This field cannot be left blank and N/A is not acceptable. 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 (please specify).

Firm name	GeoEngineers, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	MoveBR Ardenwood Extension		Firm responsibility (prime or sub?)	Prime
Project number	16710-079-00	Owner's name	East Baton Rouge Parish; City of Baton Rouge	
Project location	East Baton Rouge Parish, LA		Owner's Project Manager	Kate Prejean, P.E.
Owner's address, phone, email	10000 Perkins Rowe, Suite 640 Baton Rouge, LA 70810; 225.368.2818; kbprejean@hntb.com			
Services commenced by this firm (mm/yy)	06/20	Total consultant contract cost (\$1,000's)		\$6,755
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)		\$6,755

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

GeoEngineers completed a Phase I ESA for the future Ardenwood Extension project located in East Baton Rouge Parish, Louisiana. The Phase I ESA consisted of the following information for the client's review:

Prime consultant name: GeoEngineers, Inc.

- User provided historical documents
- Records review to include:
  - Standard Environmental Database Search
  - Historical resources (Historical Property use summary, adjacent properties)
- Site visit
- Interviews with current owners/occupants
- Evaluation of all the data collected with conclusions by an Environmental Professional

Hunter Falcon – Field Scientist; Brandon Muller – Environmental Scientist

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

\*\*This field cannot be left blank and N/A is not acceptable. 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 (please specify).

Firm name	GeoEngineers, Inc.		Past Performance Evaluation Discipline(s)	Environmental
Project name	Bluebird Communications St. Louis Mississippi River HDD		Firm responsibility (prime or sub?)	Prime
Project number	24910-001-00	Owner's name	Bluebird Network	
Project location	St. Louis, MO		Owner's Project Manager	JD Hecht
Owner's address, phone, email	18777 U.S. Highway 66 Pacific, MO 63069; 314.426.5200; jdhecht@adb-us.com			
Services commenced by this firm (mm/yy)	05/21	Total consultant contract cost (\$1,000's)		\$203,800
Services completed by this firm (mm/yy)	08/23	Cost of consultant services provided by this firm (\$1,000's)		\$203,800

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

GeoEngineers completed geotechnical borings and analysis, Horizontal Directional Drill Design, wetland delineation, threatened and endangered species survey and agency permitting for the Bluebird Communications Fiber Optic Mississippi River HDD located in St. Louis, Missouri. Major agency permits included:

- USACE Section 10
- USACE Section 404
- USACE Section 408
- Endangered Species Act
- City of St. Louis
- Metro East Sanitary District

Hunter Falcon – Field Scientist; Brandon Muller – Environmental Scientist

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

Prime consultant name: GeoEngineers, Inc.

\*\*This field cannot be left blank and N/A is not acceptable. 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 (please specify).

Firm name	GeoEngineers, Inc.		Past Performance Evaluation Discipline(s)	Environmental
Project name	Aethon Red River HDD		Firm responsibility (prime or sub?)	Sub
Project number	24621-001-00	Owner's name	Aethon	
Project location	Caddo and Bossier Parishes, Louisiana		Owner's Project Manager	Kyle Davis, P.E.
Owner's address, phone, email	400 Texas St., 3 <sup>rd</sup> Floor, Suite 300 Shreveport, LA 71101; 866.255.6825; kdavis@hgs-llc.com			
Services commenced by this firm (mm/yy)	04/20	Total consultant contract cost (\$1,000's)		\$298,500
Services completed by this firm (mm/yy)	04/21	Cost of consultant services provided by this firm (\$1,000's)		\$298,500

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

GeoEngineers completed geotechnical borings and analysis, Horizontal Directional Drill Design, wetland delineation, threatened and endangered species survey and agency permitting for the Aethon Red River HDD located in Caddo and Bossier Parishes, Louisiana. Major agency permits included:

- USACE Section 10
- USACE Section 404
- USACE Section 408
- Endangered Species Act

Hunter Falcon – Field Scientist; Brandon Muller – Environmental Scientist

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

\*\*This field cannot be left blank and N/A is not acceptable. 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 (please specify).

Firm name	ENCOS, Inc.		Past Performance Evaluation Discipline(s)*	Data Collection
Project name	System Wide Assessment Monitoring Program (SWAMP)		Firm responsibility (prime or sub?)	Prime
Project number	CPR Contract # <u>4400021492</u>	Owner's name	Coastal Protection and Restoration Authority	
Project location	Coastal Louisiana		Owner's Project Manager	Todd Folse
Owner's address, phone, email	150 Terrace Ave, Baton Rouge, (985) 449-4082; LA 70802; Todd.Folse@LA.GOV			
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost (\$1,000's)		\$60,056.64

Prime consultant name: GeoEngineers, Inc.

Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$30,000.00
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Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)

The System Wide Assessment and Monitoring Program (SWAMP) was incorporated by the Coastal Protection and Restoration Authority (CPRA) as a means of long-term monitoring to meet the needs of the state's coastal protection and restoration plans. Alongside the Barrier Island Comprehensive Monitoring (BICM) Program and the Coastwide Reference Monitoring System (CRMS), SWAMP was implemented as the water quality monitoring variable to enhance ecosystem modelers perspective on the health and ecosystem dynamics of coastal Louisiana. The data collection from these long-term monitoring programs has supported the design, implementation, and adaptive management of existing restoration projects and future projects designed through Louisiana's Comprehensive Master Plan for a Sustainable Coast.

SWAMP teams collect Discrete water Samples and surface water grab samples at 120 locations within the Atchafalaya, Barataria, Pontchartrain, Breton Sound Basins, Terrebonne, Teche/Vermillion, Mermentau, and Calcasieu/Sabine hydrologic basins. Data collected monitors environmental drivers to assess how these drivers influence systemic change that affects coastal restoration efforts.

Joel Chaky-Program Manager; Steven Tidwell-Project Manager; Coklin Nguyen-Senior Scientist; Rachel Mixon-Scientist; Jeremy Thompson-Scientist.

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

\*\*This field cannot be left blank and N/A is not acceptable. 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 (please specify).

Firm name	ENCOS, Inc.		Past Performance Evaluation Discipline(s)*	Other: Biologic Oyster Assessment
Project name	No Name Bayou Oyster Bottom Assessment		Firm responsibility (prime or sub?)	Subcontractor
Project number	LCP22442	Owner's name	Freese and Nichols/CPRA	
Project location	Calcasieu Lake, Cameron Parish		Owner's Project Manager	Aaron Petty and Nina Reins
Owner's address, phone, email	900 Camp Street, 3 <sup>rd</sup> Floor, #354; New Orleans, LA 70130; <a href="mailto:aaron.petty@freese.com">aaron.petty@freese.com</a> ; <a href="mailto:Nina.Reins@freese.com">Nina.Reins@freese.com</a>			
Services commenced by this firm (mm/yy)	06/22	Total consultant contract cost (\$1,000's)	\$28.7	
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm (\$1,000's)	\$28.7	

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

ENCOS is a member of the Freese and Nichols Oyster Biologic Services team for CPRA and assisted with logistics, equipment, field personnel and safety diver for oyster biologic services required for restoration projects. This project was to assess the borrow area and pipeline corridor for CS-0078 Marsh Creation Cell near No Name Bayou at the southern end of Calcasieu Lake east of the Calcasieu Ship Channel. ENCOS personnel created the project's digital data collection package for the Hypack program. The team also created the transects, poling points and then loaded that information on the vessel's navigation GPS. The data collected was recorded in real time on a fully ruggeded Panasonic laptop computer with a Trimble R2 submeter WAAS GPS. When the poling portion of the project

Prime consultant name: GeoEngineers, Inc.

was complete, the data were analyzed to determine where to dredge the moderately firm and firm areas identified by poling. Additional areas identified as exposed shells were sampled using a square meter aluminum sample grid. The total area assessed was approximately 1,500 acres in size.

Joel Chaky-Project Manager/scientific diver; Steven Tidwell-Senior Scientist; Coklin Rachel Mixon-Scientist.

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

\*\*This field cannot be left blank and N/A is not acceptable. 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 (please specify).

Firm name	ENCOS, Inc.	Past Performance Evaluation Discipline(s)*	Other: Ecological Surveys
Project name	Williams LEG Pipeline Project		Firm responsibility (prime or sub?) Subcontractor
Project number	178860	Owner's name	Power Engineers
Project location	Beauregard, Calcasieu, Caddo, DeSoto, Sabine, Vernon Parishes	Owner's Project Manager	Jude Ledoux
Owner's address, phone, email	301 Main St., Suite 2200, Baton Rouge, LA 70802, (225) 900-8012jude.ledoux@powereng.com		
Services commenced by this firm (mm/yy)	10/22	Total consultant contract cost (\$1,000's)	\$135
Services completed by this firm (mm/yy)	08/23	Cost of consultant services provided by this firm (\$1,000's)	\$135

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

ENCOS is a subcontractor of Powers Engineers and assisted with logistics, equipment, and field personnel for ecological services required for the proposed Williams LEG Pipeline Project. This project was to evaluate the extent of potential project impacts to potentially jurisdictional waters of the United States, including wetlands. ENCOS personnel provided field support along an approximately 165-mile proposed pipeline route stretching across Beauregard, Calcasieu, Caddo, DeSoto, Sabine, and Vernon Parishes, Louisiana. The wetland and waterbody delineation were conducted in accordance with the USACE 1987 Wetland Delineation Manual and Atlantic and Gulf Coast Regional Supplemental Manual and Guidance. Wetland boundaries and ordinary high water mark boundaries of waterbodies were recorded using sub-meter real-time differentially corrected Global Positioning System (GPS) technology.

Simultaneous with the wetland delineation, an ENCOS scientist conducted T&E species habitat survey of the proposed project area, based on the Federal and State listed species for the proposed areas. The field evaluation documented existing environmental conditions used in subsequent discussions with agencies regarding rare and sensitive species.

Coklin Nguyen - Biologist; Rachel Mixon - Biologist, Jeremy Thompson - Biologist

**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.**

**If the consultant has information it believes is proprietary, label it accordingly.**

GeoEngineers, Inc. is a long-established Baton Rouge firm that has been providing geotechnical and environmental services in Louisiana since the 1960s. Through this experience, our Baton Rouge-based team of over 35 staff brings tremendous understanding of the local and state conditions anticipated on LA DOTD projects. GeoEngineers' Baton Rouge office will perform the work with occasional support from our additional 300+ staff throughout the company, as needed. With a long, successful history of working collaboratively with LA DOTD on dozens of projects, including through the geotechnical retainer contract, we will continue to provide you with:

- **A commitment to and culture of safety.** GeoEngineers understands the importance of safety. We annually renew our commitment to safety through our company-wide program, Home Safe Every Day, which starts with the important belief that all injuries and occupational illnesses can be prevented. By doing so, each of GeoEngineers' employees, our clients and team members we work with can go Home Safe Every Day.
  - **Local tenured technical experts and resources.** Our Baton Rouge-based team has the environmental permitting and biological expertise from field to technical analysis that you require for transportation projects. We have completed several road and bridge projects, providing us an in-depth understanding of the regulatory permitting and biological environment.
  - **A plan to meet the Work Zone Training requirements.** We plan to meet the Work Zone Training Requirements utilizing staff in our Baton Rouge office who have received the required training.
- A history of finding successful environmental permitting and biological service solutions in the Gulf South.** We have been providing environmental permitting and biological services to the Louisiana Department of Natural Resources (LA DNR), Coastal Protection and Restoration Authority (CPRA) and the City of Baton Rouge as well as energy and infrastructure companies and industrial clients throughout the region. From straightforward to challenging projects, our team anticipates and mitigates potential challenges, and is committed to advocating on behalf of LA DOTD during each project.
- **A focus on QA/QC.** GeoEngineers is committed to meeting or exceeding your expectations for professional quality, technical accuracy, and the timely completion and submission of project deliverables. Our company maintains a quality assurance/quality control program that we implement on all our projects that includes technical peer reviews and project accountability that ensures we deliver projects that are technically excellent. We will submit a Quality Assurance/Quality Control Plan within 10 days of award of contract.

Prime consultant name: GeoEngineers, Inc.

### **Permits**

Relationships built with the various regulating agencies over time and deep understanding of their regulations, methods, and priorities allows us to successfully help expedite environmental review and permit applications through methods such as agency pre-application meetings. These meetings are where we can present the footprint and location of a proposed project to have initial agency feedback to identify any potentially sensitive areas during the FEED study. Once all required permit application information has been collected, GeoEngineers will send in for review by DOTD. Upon approval GeoEngineers will submit to the permit applications to the proper regulating agency and track it through the application process until successful agency permit authorization. GeoEngineers highest priority is to ensure that our clients' goals are met on schedule and cost-efficient manner.

### **Wetland Delineations/Findings**

Biologist will utilize desktop review of readily available databases of a project site in addition to field data set collection for specific projects. This information helps produce a comprehensive map of potentially jurisdictional wetlands. The subsequent report following the wetland delineation documents site conditions (vegetation, hydrology, hydric soils) and gives a comprehensive and clear picture of any potential jurisdictional wetlands on site. GeoEngineers submits the wetland delineation report to the USACE for either a Pre-Jurisdictional Determination (PJD) or an Approved Jurisdictional Determination (AJD), and tracks the report through the JD approval process. GeoEngineers is experienced in coordinating with agencies to resolve concerns in a timely manner to move projects to construction. GeoEngineers will work with LA DOTD to accomplish project goals while maintaining compliance with environmental regulations.

### **Biological Assessments and Surveys**

Our biologists understand the complex regulatory framework, including the ESA, Section 7, Section 10 permitting, oyster assessments and endangered/threatened/sensitive species reviews. GeoEngineers provides the services governed by regulatory guidelines to determine the presence or absence of listed species on a project site and assess the quality of the habitat on site for listed species. We work closely with regulating agencies to determine what if any affects the project may have on a listed species and identify conservation measures to ensure both the project and species are benefited. Thanks to our experience, GeoEngineers offers far more than an assessment—we help you understand what it all means for you, and how to take the next steps toward your goals.

### **Coordination**

GeoEngineers will work with the LDOTD team to gather sufficient information to assist LDOTD with coordinating environmental compliance for projects. The purpose of this is to 1) establish a strong project understanding, 2) work with the project team to identify potential data gaps (i.e. design vs. permit requirements conflicts and specific design/engineering documentation) and 3) coordinate with the design team related to potential design options to avoid, minimize or mitigate potential future natural resource impacts. Data gaps must be identified early in the process so that further action (if needed) can be taken to fulfill jurisdictional data requirements. This task will be considered an ongoing task throughout the permitting process. This also includes potential coordination with permitting agencies, if necessary, to confirm and/or have them provide documentation, as needed for various application submittal packages in the future.



**19. Workload:**

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

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

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

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

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
GeoEngineers	Geotech	H.003370	DB I-20 Barksdale/GT OV-QA	\$79,902
GeoEngineers	Geotech	H.004791	P3 Belle Chasse Bridge & Tunnel	\$302,064
GeoEngineers	Geotech	H.011670	Loyola Dr/I-10 Interchange	\$2,000
GeoEngineers	Geotech	H.002176	LA10 Bridges	\$184,038
GeoEngineers	Geotech	H.001779	Jimmy Davis Bridge Prelim Explorations	\$166,919
ENCOS, Inc.	Other (Oyster Assessment)	N/A	N/A	\$0
La Terre Engineering LLC	Other (Permitting)	N/A	N/A	\$0

(Add rows as needed)

DO NOT SUM

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

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

**20. Certifications/Licenses:**

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

Prime consultant name: GeoEngineers, Inc.

**21. QA/QC Plan:**

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

GeoEngineers will submit a QA/QC plan within 10 days of being selected for the IDIQ contract.

Prime consultant name: GeoEngineers, Inc.

**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.

<b>Firm Name (Name must match as registered with Louisiana's Secretary of State)</b>	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
ENCOS, Inc.	17373 Opportunity Avenue; Baton Rouge, LA 70817	Joel Chaky jchaky@encos.net	(225) 921-1353
La Terre Engineering LLC	343 Third Street Suite 511B Baton Rouge, LA 70801	Seneca Toussant, P.E. stoussant@laterre-eng.com	(225) 960-1160

**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. Any information included in this section will be redacted if not required by the advertisement.**



Certifications/  
Licenses

Louisiana Professional Engineering  
and  
Land Surveying Board

Hereby Certifies that  
GeoEngineers, Inc.

has complied with the regulation of this Board and is authorized  
to provide or to offer to provide engineering services in the State of  
Louisiana contingent upon payment of the annual renewal fee.

Baton Rouge, Louisiana · 06/27/2007

Kevin M. Branley Chairman  
John A. Davis Secretary



License Number 3700



# CERTIFICATE OF ACCREDITATION



## GeoEngineers, 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](http://aashtoresource.org)).

A handwritten signature in black ink, appearing to read 'Jim Tymon', written over a horizontal line.

Jim Tymon,  
AASHTO Executive Director

A handwritten signature in black ink, appearing to read 'Moe Jamshidi', written over a horizontal line.

Moe Jamshidi,  
AASHTO COMP Chair

This certificate was generated on 05/10/2022 at 3:54 PM Eastern Time. Please confirm the current accreditation status of this laboratory at [aashtoresource.org/aap/accreditation-directory](http://aashtoresource.org/aap/accreditation-directory)





**SCOPE OF AASHTO ACCREDITATION FOR:**  
GeoEngineers, Inc.  
in Baton Rouge, Louisiana, USA

## Quality Management System

**Standard:**

**Accredited Since:**

R18	Establishing and Implementing a Quality System for Construction Materials Testing Laboratories	02/09/2012
D3740 (Soil)	Minimum Requirements for Agencies Engaged in Testing and/or Inspection of Soil and Rock as Used in Engineering Design and Construction	06/30/2016



# SCOPE OF AASHTO ACCREDITATION FOR:

GeoEngineers, Inc.

in Baton Rouge, Louisiana, USA

## Soil

### Standard:

### Accredited Since:


D421 Dry Preparation of Disturbed Soil and Soil Aggregate Samples for Test	12/20/2012
D422 Particle Size Analysis of Soils by Hydrometer	12/20/2012
D698 The Moisture-Density Relations of Soils Using a 5.5 lb [2.5 kg] Rammer and a 12 in. [305 mm] Drop	12/20/2012
D854 Specific Gravity of Soils	12/20/2012
D1140 Amount of Material in Soils Finer than the No. 200 (75- $\mu$ m) Sieve	02/09/2012
D1557 Moisture-Density Relations of Soils Using a 10 lb [4.54 kg] Rammer and an 18 in. [457 mm] Drop	12/20/2012
D2166 Unconfined Compressive Strength of Cohesive Soil	12/20/2012
D2216 Laboratory Determination of Moisture Content of Soils	12/20/2012
D2435 One-Dimensional Consolidation Properties of Soils Using Incremental Loading	12/20/2012
D2487 Classification of Soils for Engineering Purposes (Unified Soil Classification System)	02/09/2012
D2488 Description and Identification of Soils (Visual-Manual Procedure)	02/09/2012
D2850 Unconsolidated, Undrained Compressive Strength of Cohesive Soils in Triaxial Compression	12/20/2012
D2974 Determination of Organic Content in Soils by Loss on Ignition	12/20/2012
D4318 Determining the Liquid Limit of Soils (Atterberg Limits)	12/20/2012
D4318 Plastic Limit of Soils (Atterberg Limits)	12/20/2012
D4546 One-Dimensional Swell or Settlement Potential of Cohesive Soils	06/01/2016
D4643 Determination of Water (Moisture) Content of Soil by Microwave Oven Heating	06/01/2016
D4767 Consolidated-Undrained Triaxial Compression Test on Cohesive Soils	06/01/2016
D5084 Hydraulic Conductivity of Saturated Porous Materials Using a Flexible Wall Permeameter	06/01/2016
D6913 Particle-Size Distribution (Gradation) of Soils Using Sieve Analysis	06/01/2016
D6938 In-Place Density and Moisture Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)	02/19/2014



## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/15/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Paula Denise Radaich  
GeoEngineers11955 Lakeland Park Boulevard, Suite 100  
Baton Rouge, Louisiana 70809

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b>	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
<b>Ms. Paula Denise Radaich</b>		
License/Certificate Type - Number	Expiration Date	
<b>PE.0027100</b>	<b>09/30/2025</b>	
<b>Status: Active</b>		
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***Society of Wetland Scientists  
Professional Certification Program, Inc***

renews the designation

## **Professional Wetland Scientist**

For

**Steven J. David**

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel.  
Professional Wetland Scientist Number 2849 issued on 7/25/2017 and recertified on 12/11/2021.  
Due to recertify again by 07/25/2027.



  
Gillian Davies, PWS  
President

  
Pat Frost, PWS  
Certification Renewal Chair

# OPEN WATER SCUBA DIVER

**Coklin Chi Nguyen**

**Certification #: 7ADR9E8**

**Certification Date: Jul 16, 2023**

**Suzanne Foret (#46659)**



Cardholder met requirements at time of certification to engage in open water diving activities without supervision in accordance with NAUI and EUF/ISO 24801-2 Autonomous Diver Standard



# OPEN WATER SCUBA DIVER

**Jeremy Thompson**

**Certification #: 9F6RCBC**

**Certification Date: Jul 16, 2023**

**Suzanne Foret (#46659)**



Cardholder met requirements at time of certification to engage in open water diving activities without supervision in accordance with NAUI and EUF/ISO 24801-2 Autonomous Diver Standard



**NAUI**<sup>®</sup>

NATIONAL ASSOCIATION OF UNDERWATER INSTRUCTORS

**OPENWATER I  
SCUBA DIVER**

JOEL CHAKY  
0214690

6-00

5313

Registration No.

Date

Instructor No.

SEVEN SEAS

Instructor/Facility



Instructor/NAUI Official Signature

Cardholder Signature

*Michael R. Smith*

*Paul M. [unclear]*

*Baton Rouge, La.*

*57*

*M*

*7/6/60*

Training Location

Height

Sex

Birth Date



This credential verifies that the person whose name appears on the front of this card demonstrated the skills and knowledge necessary to meet NAUI standards for the indicated certification level prior to issuance.

IF FOUND, PLEASE RETURN TO:  
NAUI Headquarters, P.O. Box 14650, Montclair CA 91763-1150

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# OPEN WATER SCUBA DIVER

Rachel Mixon

Certification #: 3597629

Certification Date: Jul 18, 2023

Suzanne Foret (#46659)



Cardholder met requirements at time of certification to engage in open water diving activities without supervision in accordance with NAUI and EUF/ISO 24801-2 Autonomous Diver Standard






## LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/15/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Seneca Darnell Toussant  
343 Third Street, Suite 511B  
Baton Rouge, Louisiana 70801

	<b>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS)</b> 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	<b>Mr. Seneca Darnell Toussant</b>	
License/Certificate Type - Number	Expiration Date	
PE.0036080	09/30/2023	
Status:	Active	

**Mr. Seneca Darnell Toussant**

License/Certificate Type - Number      Expiration Date

PE.0036080      09/30/2023

Status: **Active**

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