

# STATEMENT OF QUALIFICATIONS

Presented to:  
**Louisiana Department  
of Transportation and  
Development (DOTD)**

Contract Nos. 4400027474  
and 4400027480  
IDIQ Contracts for  
Environmental Permitting  
and Biological Services  
Statewide



August 22, 2023



**Transmitted via Email**

DOTDConsultantAds80@la.gov

August 22, 2023

Louisiana Department of Transportation and Development  
1201 Capital Access Road  
Baton Rouge, LA 70802

**RE: Contract Nos. 4400027474 and 4400027480, IDIQ Contracts for Environmental Permitting and Biological Services**

Dear Sir or Madam:

C. H. Fenstermaker & Associates, L.L.C. (Fenstermaker) is pleased to submit our statement of qualifications for the Louisiana Department of Transportation and Development's (LADOTD) IDIQ Contracts for Environmental Permitting and Biological Services. Our Team of experienced environmental professionals possesses the expertise and capabilities needed to assist LADOTD with requested permitting and biological services. With over 73 years of experience in Louisiana, Fenstermaker brings unparalleled skill, knowledge, and understanding to the types of task orders that may be issued from these IDIQ contracts. Fenstermaker will provide LADOTD with our trusted leadership and key staff located throughout Louisiana. Our Team has successfully provided Environmental Permitting and Biological Services for LADOTD under similar IDIQ contracts. Joining the Fenstermaker Team are Coastal Environments, Inc., GAEA Consultants, LLC, and Delta Coast Consultants, LLC, to provide technical assistance.

The Fenstermaker Team has performed a diligent review of the advertisement and clearly understands the scope of services for this contract. Our Team makes a firm commitment to provide LADOTD with professional services safely and within budget.

Thank you for the opportunity to present our qualifications. We look forward to hearing from you. If you have any questions regarding our submittal or qualifications, please contact Fenstermaker's Vice President, Environmental, John Foret, at (337) 237-2200. Angelle Guilbeau is authorized by Fenstermaker to contractually obligate the firm.

**FENSTERMAKER**

John Foret, Ph.D.  
Vice President, Environmental  
jdforet@fenstermaker.com

Angelle Guilbeau  
Chief Administrative Officer  
angelleg@fenstermaker.com

**135 Regency Square | Lafayette, LA 70508 | (337) 237-2200 phone | (337) 232-3299 fax [www.Fenstermaker.com](http://www.Fenstermaker.com)**

# SECTIONS 1 - 13



# **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	Not applicable
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	C. H. Fenstermaker & Associates, L.L.C.  <small>C. H. Fenstermaker &amp; Associates, L.L.C.</small>
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. 0000311 - Engineering VF. 0000154 - Survey
6. Prime consultant mailing address	135 Regency Square, Lafayette, LA 70508
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	135 Regency Square, Lafayette, LA 70508
8. Name, title, phone number, and email address of prime consultant's contract point of contact	John Foret, Ph.D., Vice President, Environmental (337) 314-0517 x1109 jdforet@fenstermaker.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Angelle Guilbeau, Chief Administrative Officer, (337) 237-2200 angelleg@fenstermaker.com

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



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

Date: August 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):  
GAEA Consultants, LLC

Firm(s)' %:  
5%

## 12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% of Overall Contract	C. H. Fenstermaker & Associates, L.L.C. (Prime)	Coastal Environments, Inc.	GAEA Consultants, LLC	Delta Coast Consultants, LLC	Each Discipline must total to 100%
Environmental	100%	85%	5%	5%	5%	<b>100%</b>
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	<b>100%</b>	<b>85%</b>	<b>5%</b>	<b>5%</b>	<b>5%</b>	<b>100%</b>

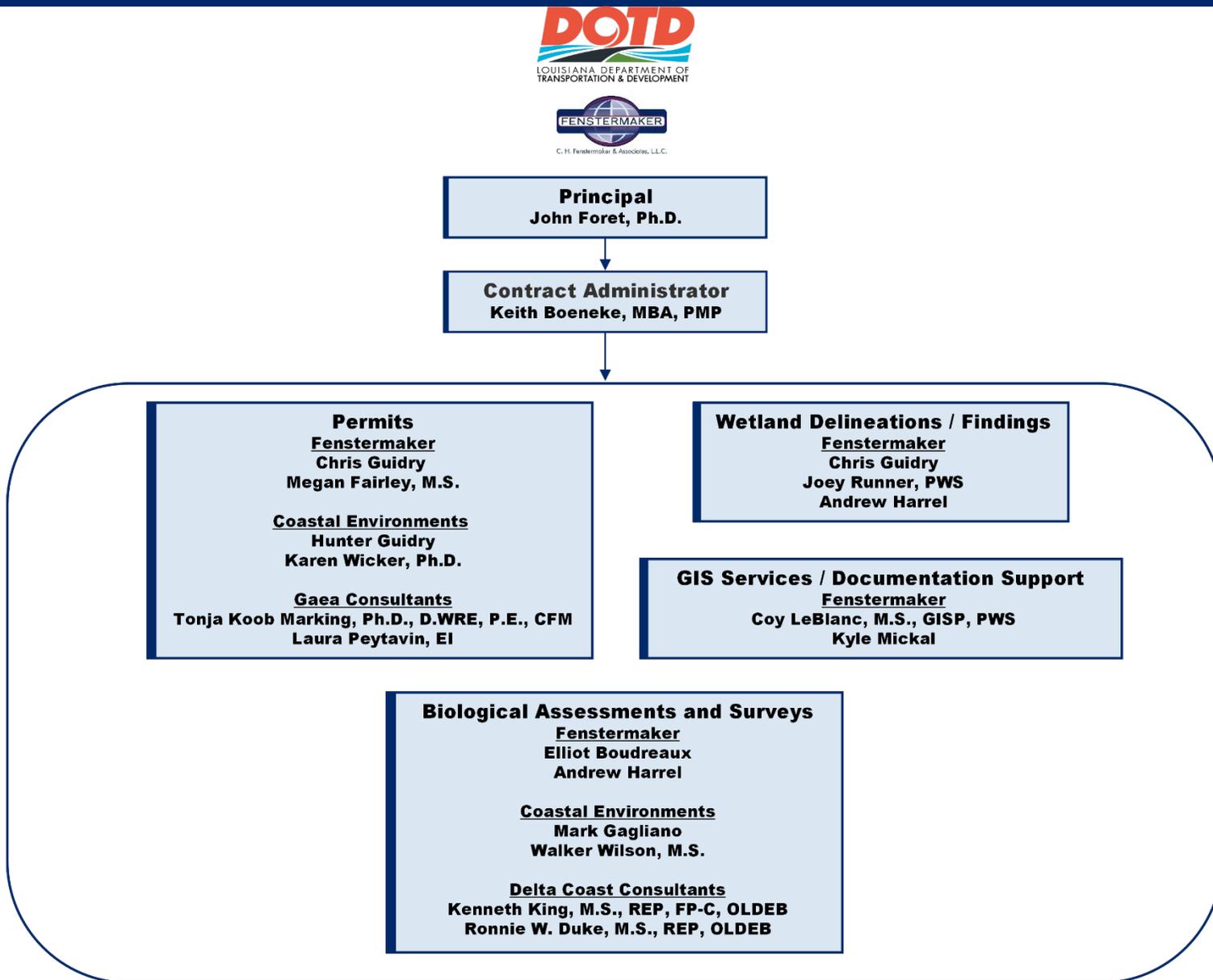
## 13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
C. H. Fenstermaker & Associates, L.L.C.  <small>C. H. Fenstermaker &amp; Associates, L.L.C.</small>	Environmental Pro	3	3
	GIS Analyst	1	2
	Principal	1	3
	Senior Technician	1	8
	Supervisor – Other	1	2
	Technician	2	8
Coastal Environments, Inc. 	Biologist/Wetlands: Biological Assessments	1	2
	Biologist: Certified Oyster Biologist	1	1
	Environmental Professional: Permitting	1	1
	Principal	1	1
	GIS Analyst	1	2
Delta Coast Consultants, LLC 	Environmental Pro	2	2
GAEA Engineering Consultants, LLC 	Engineer	1	1
	Engineer Intern	2	3

# SECTIONS 14 - 16



**14. Organizational Chart:**



**Extended Staff**

Fenstermaker’s Team is supported by approximately 270 professional staff including 24 licensed professional engineers, 22 licensed engineer interns, 16 registered professional surveyors, 20+ field survey crews, 8 certified construction inspectors, as well as a full staff of engineering, GIS, CAD operators, survey technicians, and other support personnel.

**15. Minimum Personnel Requirements:**

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	John Foret, Ph.D.	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
2	Chris Guidry	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
3	Joey Runner, PWS	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
4	Andrew Harrel	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
4	Walker Wilson, M.S.	Coastal Environments, Inc.	Not applicable	N/A	N/A
4	Kenneth King, M.S., REP, FP-C, OLDEB	Delta Coast Consultants, L.L.C.	Not applicable	N/A	N/A
5	Andrew Harrel	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
5	Ronnie W. Duke, M.S., REP, FP-C, OLDEB	Delta Coast Consultants, L.L.C.	Not applicable	N/A	N/A
6	Elliot Boudreaux	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
6	Kenneth King, M.S., REP, FP-C, OLDEB	Delta Coast Consultants, L.L.C.	Not applicable	N/A	N/A
7	Megan Fairley, M.S.	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A
7	Karen Wicker, Ph.D.	Coastal Environments, Inc.	Not applicable	N/A	N/A
7	Hunter Guidry	Coastal Environments, Inc.	Not applicable	N/A	N/A
7	Ronnie W. Duke, M.S., REP, FP-C, OLDEB	Delta Coast Consultants, L.L.C.	Not applicable	N/A	N/A
7	Tonja Koob Marking, Ph.D., P.E., D.WRE, DFM	Gaea Consultants, LLC	Not applicable	N/A	N/A
7	Lauren Peytavin, EI	Gaea Consultants, LLC	Not applicable	N/A	N/A
8	Mark Gagliano	Coastal Environments, Inc.	OLDEB – LA DNR	LA	N/A
8	Kenneth King, M.S., REP, FP-C, OLDEB	Delta Coast Consultants, L.L.C.	OLDEB – LA DNR	LA	N/A
8	Ronnie W. Duke, M.S. REP, OLDEB	Delta Coast Consultants, L.L.C.	OLDEB – LA DNR	LA	N/A
9	Coy LeBlanc, M.S., GISP, PWS	C. H. Fenstermaker & Associates, L.L.C.	OLDEB – LA DNR	LA	N/A
9	Kyle Mickal	C. H. Fenstermaker & Associates, L.L.C.	Not applicable	N/A	N/A

## 16. Staff Experience:

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.		
Name	John Foret, Ph.D.	Years of relevant experience with this employer	7	
Title	Vice President, Environmental	Years of relevant experience with other employer(s)	18	
Degree(s) / Years / Specialization		B.S. / 1994 / Aquatic and Fisheries Biology M.S. / 1997 / Biology Ph.D. / 2001 / Environmental and Evolutionary Biology		
Active registration number / state / expiration date		Not applicable		
Year registered	Not applicable	Discipline	Not applicable	
Contract role(s) / brief description of responsibilities		Principal - MPR #1		
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).			
<p>Dr. Foret’s duties include supervising all environmental staff activities as they relate to industry permitting activities (water/wetland), wetland delineations, mitigation banking consultation, wetland habitat restoration consultation (emergent marsh, shoreline protection, reef restoration), environmental assessments, biological assessments, project budgets and timelines, and project management. Before joining Fenstermaker, Dr. Foret served as a Research Fisheries Biologist with DOC/NOAA/NMFS Galveston Laboratory. As the Team Leader within the Fishery Ecology Branch in Lafayette, LA Dr. Foret managed all activities associated with the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) as they related to coastal fisheries habitat restoration. He was also a federal restoration project manager for NOAA Fisheries in the CWPPRA Program &amp; responsible for NEPA coordination, biology assessment, proposed budgets, and timelines.</p>				
03/96 – 08/99	<p><b>Little Vermilion Bay Sediment Trapping (Vermilion Bay, LA)</b> This project was located in the northwestern corner of Little Vermilion Bay at its intersection with the Gulf Intracoastal Waterway (GIWW) encompassing 964 acres of shallow bay bottom. The project was completed in August 1999. The objective was to induce sedimentation and subsequent delta building by creating earthen terraces and distributary channels. Initially, 110 acres of marsh were created with 520 acres of marsh to be established over the next 20 years. This design allows for commercial and recreational fisherman to access the project area, and it stimulates fishery production by creating new habitat and increasing shoreline length. Dr. Foret served as the Federal Project Manager for this job.</p>			
02/01 – 12/01	<p><b>Black Bayou Hydrologic Restoration (Cameron &amp; Calcasieu Parish, LA)</b> This project was completed in November 2000. The project area encompasses 25,529 acres of intermediate to brackish marsh interspersed with shallow open ponds and lakes. The purposes of Black Bayou Hydrologic Restoration project are to (1) restore coastal marsh habitat, and (2) slow the conversion of wetlands to shallow, open water in the project area. The project limits the amount of saltwater intrusion into the surrounding marsh and canals from the GIWW and reduces erosion caused by wave action from nearby boats and tides. The reestablishment of approximately 1,200 acres of intermediate to brackish marsh is expected over the next 20 years. Dr. Foret served as the Federal Project Manager for this job.</p>			
03/97 – 08/04	<p><b>Delta-Wide Crevasse Project (Plaquemines Parish, LA)</b> Federal Project Manager: The project is in Plaquemines Parish on the Mississippi River Delta. The project consists of maintaining presently existing crevasse splays, the construction of new crevasse splays and plugs, and future maintenance of selected crevasse splays in both the Pass a Loutre Wildlife Management Area and the Delta National Wildlife Refuge. Dr. Foret created this project to extend the life of a deltaic system by reconnecting a river with receiving areas for deltaic growth. He oversaw the budget, all design &amp; funding, and wetland permitting. He worked the project ideas through CWPPRA review process</p>			

	to ultimately receive construction funding. Dr. Foret also oversaw construction. Dr. Foret served as the Federal Project Manager for this job.
05/96 – 10/98	<b>Big Island Mining (St. Mary Parish, LA)</b> This project is in St Mary Parish, LA, west of the lower Atchafalaya River Navigation Channel in the Atchafalaya River Delta. The project was constructed in August 1998. The project area encompasses 2,509 acres of open water interspersed with approximately 1,000 acres of fresh deltaic marsh. The objective is to induce sedimentation and subsequent delta building by creating distributary channels and deltaic lobes. Over 922 acres of new habitat were directly created by construction, and the reestablished water and sediment flows are expected to add an additional 2,000 acres over the life of the project. Dr. Foret served as the Federal Project Manager for this job.
05/96 – 03/98	<b>Atchafalaya Sediment Delivery (St. Mary Parish, LA)</b> This project is in St Mary Parish, LA, west of the lower Atchafalaya River Navigation Channel in the Atchafalaya River Delta. The project was constructed in August 1996. The project area encompasses 4,248 acres of open water interspersed with approximately 1,000 acres of fresh deltaic marsh. The objective is to induce sedimentation and subsequent delta building by creating distributary channels and deltaic lobes. Over 315 acres of new habitat were directly created by construction, and the reestablished water and sediment flows are expected to add an additional 2,232 acres over the life of the project. Dr. Foret served as the Federal Project Manager for this job.
2017 - 2020	<b>Queen Bess Island Restoration (BA-202) (Jefferson Parish, LA)</b> Senior Project Manager: Fenstermaker performed project management, data collection, and engineering & design activities necessary to complete the permitting process and provide construction plans and specifications. This multi-disciplinary project aimed to recreate multiple types of bird habitats on a 37-acre island in lower Barataria Bay using dredged material from the Mississippi River. Fenstermaker provided project initiation and planning; compilation, review, and analysis of existing data; data collection, including but not limited to topographic, bathymetric, and magnetometer surveys, geotechnical investigations, environmental and cultural resource investigations, numerical/computational modeling, water quality analyses, permit development, engineering and design, bid document development, bid phase support, and construction oversight. Dr. Foret was responsible for providing overall project management including developing and maintaining a budget and schedule; coordinating all environmental and permitting related activities; maintaining work logs of all sub-consultants and administration of their tasks; maintaining accurate project data; maintaining and providing project records in a record management system; providing itemized task schedules; and conducting and documenting project meetings. This project was completed early and below budget.
10/19 - Ongoing	<b>Mid-Breton Sediment Diversion EIS (Plaquemines Parish, LA)</b> Dr. Foret is serving as Fenstermaker's program manager for this NEPA project. Fenstermaker is a subconsultant to GHD and is responsible for a data gap analysis, reviewing existing conditions, evaluating alternatives, and participation in the writing of the Environmental Impact Statement, particularly in the resource areas of fisheries, aquatic resources, utilities, and traffic. The sediment diversion will convey fresh water and sediment into deteriorating marshes that drain into the middle Breton-Chandeleur Basin. The swamps and marshes in the area have disappeared to due changes in the supply and distribution of fresh water, subsidence, saltwater intrusion, sediment starvation, and storm events. Fenstermaker's EIS will identify and analyze the significant environmental impacts of the project as required under the National Environmental Policy Act (NEPA). The EIS will analyze the project's impacts to the social, biological, and natural environments. Dr. Foret coordinated the assembly of a team of subject matter experts that will perform this project. He consults with regulatory agencies and provides quality control review of deliverables.

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.		
Name	Chris Guidry	Years of relevant experience with this employer	25	
Title	Manager, Environmental Specialist	Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization		B.S. / 1996 / Environmental and Sustainable Resources		
Active registration number / state / expiration date		Not applicable		
Year registered	Not applicable	Discipline	Not applicable	
Contract role(s) / brief description of responsibilities		Permits, Wetland Delineations/Findings – MPR #2		
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).			
Mr. Guidry’s experience primarily consists of environmental compliance and securing federal, state, and local permits. Mr. Guidry’s duties include overall project management and field investigation support for Environmental Due Diligence projects. He also manages Phase I Environmental Site Assessment projects for commercial and private development clients. Mr. Guidry has prepared Storm Water Pollution Prevention Plan manuals and conducted inspections for construction activities associated with pipeline projects as required by the Environmental Protection Agency’s (EPA) National Pollutant Discharge Elimination System (NPDES) Storm Water Multi-Sector General Permit. Mr. Guidry also has experience in Wetland Delineations, Wetland Characterization, Wetland Damage Assessment, Wetland Permitting, and Environmental Project Management. He has secured mitigation contracts from approved Wetland Mitigation Banks, which offset wetland impacts because of wetland permits that are issued by the US Army Corps of Engineers and the Department of Natural Resources Coastal Management Division.				
01/15-01/17	<b>Retainer Contract for Environmental Permitting Services: I-10: E JCT I-49 to Atchafalaya Floodway (Lafayette &amp; St. Martin Parishes, LA)</b> Fenstermaker conducted a routine wetland delineation. The proposed project required pavement rehabilitations and additional travel lanes along I-10, from the east junction of LA HWY 328 continuing eastward to the Atchafalaya Floodway Bridge. The wetland delineation was limited to the existing road ROW. Mr. Guidry served as the project manager for this wetland delineation.			
05/16	<b>Retainer Contract for Environmental Permitting Services LA 471: Dartigo Creek &amp; Creek Bridges (Grant Parish, LA)</b> Fenstermaker was issued Task Order #2 in February 2016 for Dartigo Creek & Creek Bridges. Fenstermaker conducted a routine wetland delineation in May 2016. The proposed project required the relocation and elevating of an existing 0.662-mile section of LA 471 and replacing three bridge structures along a new alignment. Mr. Guidry was responsible for setting up the project and working with the project manager to complete all work required for the delineation.			
04/17-05/17	<b>Retainer Contract for Environmental Permitting Services I-12 (LA21 to US190) &amp; I-12 (US190 to LA59) (St. Tammany Parish, LA)</b> Fenstermaker conducted routine wetland delineations in March and April of 2017. The proposed project required pavement rehabilitations and additional travel lanes along Interstate 12. The delineation was limited to the existing road ROW and the required ROW for the proposed construction. Mr. Guidry performed the wetland delineations in the field and reviewed the wetland delineation reports.			
03/18	<b>Retainer Contract for Environmental Permitting Services: H.003184 I-10 Widening (Calcasieu Parish, LA)</b> Fenstermaker conducted a routine wetland delineation and completed a report. The project required pavement rehabilitations and additional travel lanes along I-10, from the Texas state line continuing eastward to just east of Coone Gully. The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils. The project corridor was approximately			

	9.9 miles long and covered approximately 360 acres. Mr. Guidry was responsible for reviewing the wetland delineation report and ensuring quality assurance and quality control of the document.
02/15 – 05 /17	<b>Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 &amp; LA379) (Calcasieu Parish, LA)</b> This contract included engineering and consulting services for the completion of various aspects of the Sasol Chemicals (USA) LLC–Lake Charles Chemicals Project (LCCP). Fenstermaker was responsible for the engineering design of the 1.5-mile heavy haul route used to transport the oversized modules from the Calcasieu River to the proposed plant site in Westlake, Louisiana. Mr. Guidry’s responsibilities included overall environmental project management and serving as the Permit Agent for Fenstermaker’s \$11.4 million engineering and consulting contract with Fluor. Permits acquired include securing railroad, State Highway, and Parish Road Crossing Permits.
09/21-02/23	<b>High Pressure Pipeline for LA 1 Crossing (Lafourche Parish, LA)</b> Fenstermaker acquired regulatory permits for pipeline removal and re-location along the route of LADOTD’s LA Hwy 1 improvements project in Lafourche Parish. Fenstermaker coordinated with the Louisiana Department of Natural Resources, Office of Coastal Management, to acquire the Coastal Permit Use required for Perdido Energy’s removal and re-routing of a 6-inch, high pressure line (C.U.P No. P20210207). Additional authorizations were required from USACE. Mr. Guidry served as the project manager and was responsible for preparing the permit applications and reviewing the permit sketches included in the applications.
03/18-02/19	<b>S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches Parish, LA)</b> Mr. Guidry served as the Wetland Analysis Lead for this Environmental Assessment for the replacement of the Cane River Bridge. He was responsible for all aspects of the wetland and threatened and endangered species analyses. He coordinated all field activities and developed a report summarizing the impacts of the project to wetlands and threatened and endangered species. Mr. Guidry also assisted with the preparation of the Phase I Environmental Site Assessment and USACE permits.
04/12 – 10/12	<b>Widening US 84 from LA 772 to East of Hair Creek Bridge EA (LaSalle Parish, LA)</b> Mr. Guidry directed the field wetland delineation, report production, data organization and processing, and wetland boundary map development for this environmental assessment under NEPA standards.
05/10 – 11/10	<b>LADOTD Northwest Louisiana Council of Governments Wafer Road Extension (Bossier Parish, LA)</b> Mr. Guidry’s responsibilities included field wetland delineation, project management and wetland report production, data organization and processing, and wetland boundary map development for this environmental assessment under National Environmental Policy Act (NEPA) standards.
06/14 – 11/15	<b>Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 &amp; LA385): LADOTD Permit No. 153351, 153352, 153353 (Calcasieu Parish, LA)</b> Mr. Guidry was the environmental project manager for this proposed road improvement project (Calcasieu Point Development) for W Lincoln RD and LA385 located in the Coastal Zone of Louisiana, south of Lake Charles. Mr. Guidry’s responsibilities included overall environmental project management, QA/QC of collected wetland delineation data, report preparation, and permit agent. Permits acquired include securing a US Army Corps of Engineers (USACE) Jurisdictional Determination, USACE Permit, and LDNR Office of Coastal Management (OCM) permit for jurisdictional wetland and water impacts.

Firm employed by	C. H. Fenstermaker & Associates, L.L.C.			
Name	Keith Boeneke, MBA, PMP	Years of relevant experience with this employer	3	
Title	Operations Leader, Environmental	Years of relevant experience with other employer(s)	27	
Degree(s) / Years / Specialization	B.S. / 1994 / Environmental Science MBA / 2000 / Business Administration			
Active registration number / state / expiration date	Not applicable			
Year registered	N/A	Discipline	Not applicable	
Contract role(s) / brief description of responsibilities	Contract Administrator			
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).			
Keith Boeneke, MBA, PMP, has professional consulting experience associated with the delivery of projects involving a wide variety of technical service areas, including environmental assessment and remediation; managing and monitoring federally funded grant programs; disaster recovery; technical assistance for state and local governments; coastal restoration; and, drainage. His areas of expertise include project and program management, quality assurance/quality control, and business management. During his career, Mr. Boeneke has excelled at managing multidisciplinary project teams with a proven track record of successfully delivering projects on-time and within budget that meet or exceed expectations.				
08/20 - Present	<b>Mid-Breton Sediment Diversion Third Party EIS (Plaquemines Parish, LA) Project Manager:</b> Mr. Boeneke is serving as Fenstermaker’s project manager for this NEPA project. Fenstermaker is a subconsultant to GHD and is responsible for a data gap analysis, reviewing existing conditions, evaluating alternatives, and participation in the writing of the Environmental Impact Statement, particularly in the resource areas of fisheries, aquatic resources, utilities, and traffic.			
2018 – 2019	<b>Technical Support Related to FEMA Hazard Mitigation Grant Program Applications, Baker, LA. Project Manager, CSRS, Inc.</b> Mr. Boeneke managed a team that provided technical support to the City of Baker as it navigated the Hazard Mitigation Grant Program (HMGP) process following the initial submittal of five applications that included: Bozeman Creek Drainage Project; Brushy Bayou Drainage Project; North Canal Project; Canal Bank Stabilization; and, Municipal Buildings Wind Hardening and Dry Floodproofing. The scope of work included the analysis of pre- and post-damages to structures and assets in the City using modeling software; the evaluation of historical flood claim information; and, cost of road closures due to major storm events. The technical information that was generated was used to respond to requests for information from GOHSEP and as inputs to benefit cost analysis performed by FEMA.			
2015 - 2017	<b>Coastal Restoration and Protection Projects in Louisiana and Texas - Atkins North America, Inc (Counties and Parishes, TX, LA)</b> Mr. Boeneke managed project teams that included engineers, scientists, and support personnel. He was responsible for facilitating successful project execution by adhering to scope, schedule, and budget. Key projects included: Engineering and Design of the Bayou Tigre Pump Station (TV-75) and Flood Gate (TV-67) in Vermilion Parish; Hydrology and Hydraulic Modeling for Delcambre-Avery Canal Structure (TV-57); Bayou Tigre Flood Control Complex (TV-75) in Vermilion and Iberia Parishes; and the Engineering Design Services for a drainage project for Stewart and East Beaches in Galveston, TX.			
2015 – 2017	<b>Coastal Restoration and Protection Projects in Louisiana and Texas - Atkins North America, Inc (Counties and Parishes, TX, LA)</b> Mr. Boeneke managed project teams that included engineers, scientists, and support personnel. He was responsible for facilitating successful project execution by adhering to scope, schedule, and budget. Key projects included: Engineering and Design of the Bayou Tigre Pump Station (TV-75) and Flood Gate (TV-67) in Vermilion Parish; Hydrology and Hydraulic Modeling for Delcambre-Avery Canal			

	Structure (TV-57); Bayou Tigre Flood Control Complex (TV-75) in Vermilion and Iberia Parishes; and the Engineering Design Services for a drainage project for Stewart and East Beaches in Galveston, TX.
2019 - 2020	<b>Louisiana Watershed Initiative, Statewide, Program Manager – CSRS, Inc.</b> Mr. Boeneke served as the Program Manager for this program management contract awarded by the Louisiana Office of Community Development (OCD) during August 2019. The initiative is a statewide, watershed-based floodplain management program. As the prime contractor, CSRS was responsible for managing the execution of a variety of tasks on behalf of the program, the largest of which was associated with facilitating and supporting Regional Steering Committee activities throughout the state. Primary responsibilities included program management and administration, including contracting, resource allocation, scoping tasks, budgeting, and stakeholder engagement.
2013 – 2015	<b>CWPPRA Program Management, Baton Rouge, LA, Senior Project Manager – CB&amp;I, Inc.</b> As an embedded contract project manager at CPRA during the period August 2013 to May 2015, Mr. Boeneke was responsible for managing a portfolio of eleven projects funded by the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA). The projects were located throughout the coastal zone of Louisiana from Cameron Parish to Plaquemines Parish and involved planning and managing the engineering and design process, restoring and nourishing marsh habitat, restoring or protecting coastal fisheries, protecting biological marine sources, overseeing, and reviewing contractor field operations, contract management, permitting, and coordination with federal agencies, landowners, local government, state agencies, and conservation groups.
1994 – 2006	<b>Environmental Remediation and Assessment of Various Oil &amp; Gas Related Facilities, Statewide, Louisiana, - Conestoga-Rovers &amp; Associates, Inc. (formerly G&amp;E Engineering, Inc.)</b> Mr. Boeneke managed or supported numerous environmental projects while employed more than 13 years at a local environmental/ engineering consulting firm as an Environmental Scientist. The projects consisted of subsurface soil and groundwater monitoring, risk assessment, re-mediation, permitting, compliance, and waste disposal activities. Projects typically involved petroleum-related impacts associated with gasoline, oil, and naturally occurring radioactive material (NORM). Key clients included: ExxonMobil, ChevronTexaco, ConocoPhillips, the Port of South Louisiana, Union Pacific Railroad, and various law firms assisting in litigation support.

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.		
Name	Megan Fairley, M. S.	Years of relevant experience with this employer	16	
Title	Manager, Environmental Specialist	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		M.S. / 2015 / Environmental Services B.S. / 2010 / Biology		
Active registration number / state / expiration date		Not applicable		
Year registered	Not applicable	Discipline	Not applicable	
Contract role(s) / brief description of responsibilities		Permits - MPR #7		
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).			
<p>Ms. Fairley specializes in providing strategic solutions for clients' project needs and advising on regulatory and environmental compliance. She has extensive experience in federal, state, and local permitting for various industries, including commercial, private, municipal, energy, and industrial. Her work involves obtaining authorizations from multiple agencies, including the U.S. Army Corps of Engineers, LA Department of Natural Resources, Office of Coastal Management, LA Department of Environmental Quality, LA Coastal Protection Restoration Authority, Texas Commission on Environmental Quality, and Texas Railroad Commission. Ms. Fairley is responsible for project management, coordinating with various agencies, locating approved mitigation banks, and assisting clients in determining practicable alternatives to avoid, minimize, and mitigate wetland impacts. She has also assisted in wetland delineations and supported staff on litigation cases.</p>				
02/15-05/17	<p><b>Environmental &amp; Permitting Services for Fluor Enterprises, Inc., SASOL LCCP-Heavy Haul Road Engineering &amp; Construction (LA378 &amp; LA379), LLC (Calcasieu Parish, LA)</b> Environmental Specialist: Ms. Fairley was responsible for assisting the Sr. Environmental Specialist in support of Fenstermaker’s \$12.9 million engineering and consulting contract with Fluor. Her role in this project was to assist with planning and obtain regulatory permits to assure compliance functions for a pipeline installation. Her primary responsibilities for the project were to coordinate with regulatory agencies and assist in securing LA DOTD railroad permits for pipeline right-of-way access and crossings, local parish development permits, and drainage district and utility crossing permits. Her responsibilities also included coordination with the U.S. Coast Guard for the private aid to navigation and pipeline right of way grant for the pipeline in state navigable waterway.</p>			
07/18 – 03/20	<p><b>Natchez to Red Gum Transmission Line Rebuild (Concordia Parish, LA &amp; Adams County, MS)</b> This project scope entailed wetland delineations, T&amp;E species surveys, and obtaining regulatory permit authorizations from federal, state, and local agencies. Ms. Fairley's duties were providing support to the project team with preparation of federal permit applications (specifically USACE and USFWS) to obtain agency authorizations.</p>			
10/19 – 06/21	<p><b>Environmental &amp; Permitting Services for Entergy Corporation, Chackbay Substation (Lafourche Parish, LA)</b> Fenstermaker performed a wetland delineation, threatened and endangered species survey, and cultural resources survey. As part of the project team, Ms. Fairley served as an environmental specialist and was responsible for coordinating with the U.S. Army Corps of Engineers Regulatory and Operations Branches, U.S. Fish and Wildlife Service, the Office of Coastal Management, local levee and parish government to obtain authorizations and letters of concurrence associated with wetland impacts. Her project experience included coordination with the Coastal Protection and Restoration Authority and the Louisiana State Historic Preservation Office resulting in concurrence letters for no impacts and negative results findings for cultural resources.</p>			

02/19 – 05/21	<p><b>Environmental &amp; Permitting Services for Entergy Corporation, WMARIP Transmission Line (Ouachita Parish, LA)</b> Environmental Specialist: Ms. Fairley served on the project team as an Environmental Specialist. She was responsible for obtaining water quality certification from Louisiana Department of Environmental Quality water permits division for the Perryville Substation Expansion, Perryville to Selman transmission line and Perryville to Sterlington transmission line installation. Her project experience included assisting the project team with obtaining U.S. Army Corps of Engineers preliminary jurisdictional determinations and application preparations for the Department of the Army permit.</p>
2018	<p><b>Environmental &amp; Permitting Services for Helis Oil &amp; Gas Company, LLC (St. Martin Parish, LA)</b> Environmental Specialist: Ms. Fairley served as a permit agent responsible for securing an Emergency Use Authorizations to locate a pipeline leak and replace sections of the damaged pipeline. The project was in a sensitive area, which included an active bald eagle nest. She was responsible for coordinating with Louisiana Department of Wildlife and Fisheries biologists. Ms. Fairley participated in client/contractor kick off meetings to provide guidance on appropriate compliance measures during emergency repair operations in accordance with the Bald and Golden Eagle Protection Act. Ms. Fairley secured authorizations from the U.S. Corps of Engineers, Office of Coastal Management, and local parish. Additionally, she was tasked with filing commencement notifications with LA One Call, the U.S. Army Corps of Engineers, U.S. Coast Guard, and the National Ocean Service prior to construction activity.</p>
04/21 – 12/22	<p><b>Environmental &amp; Permitting Services for Entergy Corporation, Bentwater 520 Feeder Divide Distribution Line (Montgomery County, TX)</b> Fenstermaker performed a wetland delineation, threatened and endangered species survey, cultural resources survey on the proposed distribution line. Ms. Fairley successfully managed the project team to development an avoidance on culturally sensitive features near the project area to obtain THC concurrence. Her project experience also included permit agency coordination and application preparation and filing to obtain authorizations from the U.S. Army Corps of Engineers and Texas Commission on Environmental Quality (TCEQ). Additionally, the project team completed a stormwater pollution prevention plan associated with the TCEQ authorization and is currently conducting weekly inspections for construction stormwater compliance. Ms. Fairley is responsible for the technical review, data management, and coordinating with the team of environmental specialists for completing inspection reports.</p>
09/20 – 12/20	<p><b>Environmental Services for Solaris Water Midstream, Lea County Access Roads and Pipeline Right-of-Ways (Lea County, NM)</b> Project Manager, Environmental Specialist: Ms. Fairley served as a project manager on the project team for Solaris responsible for conducting biological field assessments and archaeological reviews and field surveys to obtain new right-of-way easements for existing access road and water pipelines from the New Mexico Bureau of Land Management (BLM) and the New Mexico State Land Office. Her responsibilities for the project were to coordinate with BLM and State Land agencies, review agency right-of-entry permits, and assist team to determine and develop the scope of each of the biological field investigations. Her primary role included managing the team of environmental field specialists and archeological field staff in NM, reviewing maps, data collection, and reporting.</p>

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Joey Runner, PWS	Years of relevant experience with this employer	5
Title	Manager, Environmental Specialist	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		B.S. / 2003 / Biology	
Active registration number / state / expiration date		Not applicable	
Year registered	Not applicable	Discipline	Not applicable
Contract role(s) / brief description of responsibilities		Wetland Delineation/Findings - MPR #3	
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).		
<p>Mr. Runner has extensive experience in wetland delineations, CWA Section 404 permitting, coastal zone management permitting, migratory bird surveys, and environmental site assessments. He also has experience in performing endangered species surveys, wildlife management plans, large-scale wetland and vegetation mapping projects, large-scale linear pipeline projects, and regulatory permitting for oil and gas activities. Mr. Runner works with many local agencies such as the U.S. Department of the Army Corps of Engineers (USACE), U.S. Environmental Protection Agency, U.S. Department of Interior Fish and Wildlife Service, Louisiana Department of Natural Resources, Louisiana Department of Wildlife and Fisheries, and the Texas Parks and Wildlife Department.</p>			
2019	<p><b>Wetland Delineation and Threatened and Endangered Species Surveys for the Port Arthur Pipeline – Louisiana Connector Extension Pipeline (Allen, Grant, La Salle, and Rapides Parishes, LA)</b> Field Manager &amp; Lead Biologist: Mr. Runner served as the field manager and Lead Biologist, performing wetland delineations, and threatened and endangered species surveys in Allen, Rapides, Grant, La Salle, Catahoula and Franklin Parishes as well as prepared regulatory documents for the project. This 180-mile pipeline project came in under budget and ahead of schedule.</p>		
11/18 – 03/19	<p><b>Tensas Delta Expl. HORTDL No. T-19 Well P&amp;A and Structures Removal (Catahoula Parish, LA)</b> Mr. Runner assisted the environmental project manager with wetland delineations, threatened &amp; endangered species review and acquisition of the required federal and state authorizations. Federal authorizations included USACE Section 10/404 authorizations for impacts to wetlands and USFWS T&amp;E species concurrence. State authorizations included a LDWF WMA letter of authorization and LDWF scenic river permit</p>		
09/18 – 03/20	<p><b>S.P. No. H.009932 US 80 Widening: Vancil Road to Well Road Environmental Assessment (Ouachita Parish, LA)</b> Mr. Runner is serving as the Wetland and Threatened &amp; Endangered Species Analyst for this Environmental Assessment which serves to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He has coordinated wetland and threatened and endangered species field delineations and analyzed impacts to wetlands and threatened and endangered species. He assisted in the development of a report for approval to LADOTD summarizing the findings of the analyses, in accordance with NEPA.</p>		
12/18 – 12/20	<p><b>Lake Charles Regional Airport 69 Acre Tract Wetland Delineation, Report, Jurisdictional Determination &amp; Permits (Calcasieu Parish, LA)</b> The Lake Charles Regional Airport needed to remove obstruction of trees near the runways on approximately 69 acres. The proposed tree clearing area required the completion of a routine wetland delineation. The delineation consisted of walking the area, identifying the wetlands, mapping the wetland and non-wetland boundaries, and recording vegetation, soils, and hydrology data. Mr. Runner served as senior environmental specialist/lead delineator for this project.</p>		



02/22	<b>Post Road Wastewater Treatment Plant and Sludge Dewatering Facility (Lafayette Parish, LA)</b> This ongoing project consists of the design of a proposed activated sludge wastewater treatment plant for the City of Carencro. The plant will be capable of treating up to 2.0 MGD and will replace two existing plants that each treat 0.5 MGD. The design consists of a plant lift station, preliminary treatment unit, sequencing batch reactors, chlorine contact chambers, post aeration basins, chlorine gas disinfection, sludge holding tanks, and a centrifuge for sludge dewatering. Mr. Runner coordinated field planning, processed field data, and assisted with the report for the wetland delineation.
07/22 – 08/22	<b>Vermilion River Spot Dredging – Hydrographic Survey (Lafayette Parish, LA)</b> Fenstermaker was contracted by LCG to provide environmental services necessary to support spot dredging activities in the Vermilion River. Mr. Runner served as the environmental lead for conducting the wetland delineation and preparation of the report of findings depicting Waters of the U.S. identified within the project boundaries. The wetland delineation also identified the Ordinary High-Water Mark (OHWM) of the Vermilion River.
09/21 – 10/22	<b>Southern University Ravine Project (East Baton Rouge Parish, LA)</b> The United States Army Corps of Engineers (USACE) issued a Technical Assessment Report that identified two areas of concern related to slope and bank erosions at Southern University. This project focused on ravine mitigation measures and included improving the bank erosion and outfall structure and addressing the retaining wall deterioration and stability concerns. As a sub consultant to Huval & Associates, Inc., Fenstermaker provided numerical modeling, field drone and laser scanning, and environmental permitting services for the project. Mr. Runner was responsible for managing and coordinating the wetland delineation field work, processing the field data, and preparing the delineation report. Mr. Runner also assisted with preparing the Jurisdictional Determination documentation.
11/18	<b>Red Davis McCollister Road and South Park Drive Roundabout (Calcasieu Parish, LA)</b> Red Davis McCollister Rd. and S. Park Dr. are classified as Urban Collectors. The intersection was controlled with stop signs on Red Davis McCollister. Based on crash reports, many drivers traveling through the intersection mistook the intersection as a four-way stop. Between 2009 and 2017, there was a total of 26 collisions at the intersection. Fenstermaker was contracted to provide professional engineering design and planning services for a roundabout at the intersection. Mr. Runner was responsible for the wetland delineation field preparation, data processing, and report and map preparation.
11/20 – 03/21	<b>Farm Road Bridges Project (Calcasieu Parish, LA)</b> Fenstermaker provided professional engineering services related to the replacement of two (2) timber bridges located on Farm Road between LA 397 and Manchester Road, just east of Lake Charles and southeast of the Chenault International Airport. The project's scope consisted of professional surveying, roadway and bridge design, hydrologic and hydraulic analysis, wetland delineation and USACE permitting, geotechnical investigations, load rating determination, dynamic pile monitoring and vibration monitoring services, utility coordination, right-of-way surveying, title work, right-of-way plat preparation, and construction phase services. Mr. Runner performed the wetland delineation, reviewed the wetland delineation report, and finalized and submitted the report to USACE.

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Elliot Boudreaux	Years of relevant experience with this employer	3
Title	Environmental Field Specialist I	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2020/ Environmental Science	
Active registration number / state / expiration date		Not applicable	
Year registered	Not applicable	Discipline	Not applicable
Contract role(s) / brief description of responsibilities		Biological Assessments and Surveys – MPR #6	
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).		
Mr. Boudreaux’s duties include Wetland Delineations, GIS Map Generation, Data Processing, Data analysis, Creating Wetland Permitting Plats, and GIS Database Management. He has designed Smart Forms for Data Collection, which collect data about Phase I Environmental Site Assessments, Biological Surveys, and Damage assessments. Mr. Boudreaux also has experience with Collecting, Processing, and Analyzing GIS Data, such as LiDAR data, for the purpose of levee damage assessments. Ortho-Image data used for Remote Sensing Processes such as Land Water Interface determinations. Mr. Boudreaux has completed the 14 CFR Part 107 FAA Pilot Certification to become a certified UAV Pilot. He has also earned his FEMA Emergency Management Institute certificates for Using the Substantial Damage Estimator 3.0 Tool (IS-00284.a) and Substantial Damage Estimation for Floodplain Administrators (IS-00285).			
06/21-07/21	<b>Bay Raccourci Oyster Assessment (Terrebonne Parish, LA)</b> CPRA is managing a marsh creation and ridge restoration project (TE-0156) and a marsh creation increment (TE-0166) in Bay Raccourci. The primary goals of TE-0156 are to restore marsh habitat in the open water and degraded marsh areas via marsh creation to restore the forested ridged habitat along Bayou Decade. TE-0166 will slow the movement of saline water north from Lake Merchant through Bay Raccourci into Bayou Decade. Fenstermaker was hired to conduct Oyster Assessment in Bay Raccourci to determine potential impacts of the proposed marsh creation projects. Mr. Boudreaux assisted with collecting field data, processing data, and generating reports.		
07/21	<b>Gopher Tortoise Survey (Forrest and Perry Counties, MS)</b> Fenstermaker was contracted to perform a biological survey of Gopher Tortoises and their burrows within a National Forrest along a pipeline right-of-way. Mr. Boudreaux’s duties included field preparations and data collection as well as generation of the final reports. Mr. Boudreaux utilized GIS software and Smart Forms to capture the exact locations of all Gopher Tortoise burrows.		
08/22	<b>Biological Oyster Assessment for BS-0032 Mid-Breton Marsh Creation Project (Plaquemines and St. Bernard Parishes, LA)</b> Fenstermaker performed a biological oyster assessment of eight private oyster leases on an access route that will be used for the Mid-Breton Marsh Creation Project. The goal of the marsh creation project is to create and nourish 514 acres of intertidal marsh with material dredged from Lake Lery and to create 22,000 linear feet of terraces to reduce erosion due to wind-induced waves and trap sediments from the Caernarvon Freshwater Diversion that passes through Lake Lery. Mr. Boudreaux collected samples at the project site and processed all field data.		
11/20-01/21	<b>Porter, Texas Distribution Line-Cultural Survey (Montgomery County, TX)</b> Fenstermaker was contacted to conduct a routine wetland delineation and cultural survey within the right of way (ROW) of the newly proposed distribution line. Fenstermaker will prepare USACE permit drawings and USACE permit applications, as well as TCEQ general permit TXR150000 and SWPPP preparation. Weekly		



	environmental inspection services will also be provided. Mr. Boudreaux assisted with the wetland delineation and threatened and endangered species survey on this project.
08/21	<b>Oil Spill Response Sampling and Observation (Cameron Parish, LA)</b> Fenstermaker was contracted by a private landowner to monitor and document oil spill clean-up processes and progress when a pipeline leak was discovered on the landowner's property. Mr. Boudreaux used Unmanned Aerial Vehicles and GIS technology to document the spill and impacted areas. Mr. Boudreaux identified Areas of Impact using a UAV, monitored the clean-up process, coordinating with impacted individuals and contractors, generated daily reports, and facilitated a sampling process that included water and soil samples.
06/20-ongoing	<b>Wetland Delineations (Louisiana Statewide)</b> Fenstermaker is often hired to perform wetland delineation services. Mr. Boudreaux assists with field preparation, GIS database management, field data collection, data processing and GIS mapping, and generating reports.
07/20-02/21	<b>Champagne to Plaisance T-Line Rebuild (St. Landry Parish, LA)</b> Fenstermaker completed a wetland delineation, prepared a report, prepared a Stormwater Pollution Prevention Plan (SWPPP), and performed SWPPP inspection for Entergy's Champagne to Plaisance T-Line Rebuild. Mr. Boudreaux assisted with field preparation, GIS database management, field data collection, data processing and GIS mapping, and generating reports.
03/21-12/21	<b>Bentwater 520 Feeder Divide Distribution Line (Montgomery County, TX)</b> Entergy contracted Fenstermaker to provide the environmental services necessary to support construction activities associated with the proposed distribution line and prepare corresponding reports of findings. Environmental services included a wetland delineation, threatened and endangered (T&E) species survey and cultural resources surveys, United States Army Corps of Engineers (USACE) and Texas Commission of Environmental Quality (TCEQ) permitting, and Texas Historical Commission (THC) Section 106 review. Mr. Boudreaux assisted with field preparation, GIS database management, field data collection, data processing and GIS mapping, generating reports, and creating USACE permitting plats
11/20-04/21	<b>Commerce Substation (Montgomery County, TX)</b> Fenstermaker was contracted to perform wetland delineation and threatened and endangered species survey, desktop cultural resources review and reporting, and limited environmental soil sampling for the proposed substation and transmission line cut-in. Fenstermaker also prepared the TCEQ general permit TXR150000 application, SWPPP preparation, environmental inspection services, and Phase I environmental site assessment. Mr. Boudreaux's role included data collection for SWPPP inspection and SWPPP map editing.
03/21-05/21	<b>INEOS-Permitting Services for WW Pipeline (Harris County, TX)</b> Fenstermaker has been contracted by INEOS to provide environmental permitting services necessary to support construction activities associated with the proposed 10" wastewater pipeline project in Harris County, Texas. Mr. Boudreaux's project activities included generating reports from Survey 123 to include SWPPP inspection data.

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.	
Name	Coy LeBlanc, M.S., GISP, PWS	Years of relevant experience with this employer	11
Title	Remote Sensing Specialist	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization		M.S. / 2019 / Coastal Ecology and Advance Technologies B.S. / 2006 / Environmental and Sustainable Resources	
Active registration number / state / expiration date		Not applicable	
Year registered	Not applicable	Discipline	Not applicable
Contract role(s) / brief description of responsibilities		GIS Services / Documentation Support - MPR #9	
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).		
<p>A remote sensing specialist, Coy LeBlanc’s duties include data gathering, database management, and distribution of all spatial data. This includes the management and transformation of raster and shapefiles associated with individual engineering projects. Mr. LeBlanc’s experience includes Wetland Delineations, Wetland Characterization, Wetland Damage Assessments, and Wetland Permitting. He has initiated Wetland Mitigation Bank construction and approvals, which offset wetland impacts due to wetland permits that are issued by the U. S. Army Corps of Engineers and the Department of Natural Resources Coastal Management Division. Mr. LeBlanc completed the U. S. Army Corps of Engineers Wetland Delineation Certification Program in 2012. He is an OLDEB Certified Oyster Biologist and possesses the NAUI Open Water Certification. He has performed Phase I Environmental Site Assessments for Oil/Gas, commercial and private development clients. He has also prepared Section 404 permitting with the U. S. Army Corps of Engineers and the Louisiana Department of Natural Resources Coastal Zone, Predischarge Notification permits with the U. S. Environmental Protection Agency.</p>			
03/17 – 05/17	<p><b>Retainer Contract for Environmental Permitting Services I-12 (LA21 to US190) &amp; I-12 (US190 to LA59) (St. Tammany Parish, LA)</b> Fenstermaker conducted routine wetland delineations in March and April of 2017. The proposed project required pavement rehabilitations and additional travel lanes along Interstate 12. The delineation was limited to the existing road ROW and the required ROW for the proposed construction. Mr. LeBlanc served as the project manager and was responsible for field work, wetland mapping, and drafting and finalizing the wetland delineation report for LADOTD.</p>		
05/16 – 07/16	<p><b>Retainer Contract for Environmental Permitting Services: LA 471: Dartigo Creek &amp; Creek Bridges (Grant Parish, LA)</b> Fenstermaker was required to conduct a routine wetland delineation for this project. Mr. LeBlanc was the Project Manager responsible for field investigations, wetland mapping, and final reports</p>		
01/18 – 03/18	<p><b>Retainer Contract for Environmental Permitting Services: H.003184 I-10 Widening (Calcasieu Parish, LA)</b> Fenstermaker conducted a routine wetland delineation and completed a report. The project required pavement rehabilitations and additional travel lanes along I-10, from the Texas state line continuing eastward to just east of Coone Gully. The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils. The project corridor was approximately 9.9 miles long and covered approximately 360 acres. Mr. LeBlanc served as the project manager and was responsible for the field investigation, mapping and data formatting, and drafting and finalizing the wetland delineation report.</p>		
01/15 – 03/15	<p><b>Retainer Contract for Environmental Permitting Services: I-10: E JCT I-49 to Atchafalaya Floodway (Lafayette &amp; St. Martin Parishes, LA)</b> Fenstermaker conducted a routine wetland delineation. The proposed project required pavement rehabilitations and additional travel lanes along I-10, from the east junction of LA HWY 328 continuing eastward to the Atchafalaya Floodway Bridge. The wetland delineation was limited to the existing road ROW.</p>		



03/15 – 05/15	<b>LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA 378 &amp; LA 379) (Calcasieu Parish, LA)</b> Mr. LeBlanc responsibilities included wetland delineations, Threatened and Endangered Species Survey, and assisting the permit agent. Permits acquired include securing railroad, state highway, and parish road crossing permits.
03/17	<b>USACE, OCM, &amp; Parish Permitting for 4-Mile Pipeline in Breton Sound (Plaquemines Parish, LA)</b> Fenstermaker performed a field survey and obtained permits for a gas lift line and flowline in Plaquemines Parish. Mr. LeBlanc assisted with the oyster assessment, mapping, and reporting.
05/17 – 04/20	<b>Cane River Bridge Church Street EA (Natchitoches Parish, LA)</b> Mr. LeBlanc served as the Wetland and Threatened & Endangered Species Analyst for this Environmental Assessment for the replacement of the Cane River Bridge. He assisted in the wetland and threatened and endangered species analyses, coordinated field activities, and assisted in the development of a report summarizing the impacts of the project to wetlands and threatened and endangered species.
08/18 – 05/19	<b>Boardwalk Louisiana Midstream Wetland Delineations, Nesting Bird Survey, and Permit Acquisition (St. James Parish, LA)</b> The scope of work for this project included wetland delineations, T&E species surveys, preparation of reports of findings, a nesting colony survey, and obtaining authorizations/clearance letters from federal and state agencies for Geotech soil borings and the installation of a 16-inch brine pipeline, approximately 10.5 miles in length. Mr. LeBlanc performed field work prep and wetland mapping, prepared the photo report, and compiled requested data.
09/19 – 01/21	<b>Queen Bess Island Restoration (BA-202) (Jefferson Parish, LA)</b> Fenstermaker has performed project management, data collection, engineering & design, and construction administration and inspection. Mr. LeBlanc was the lead UAV specialist during the construction of the island. Mr. LeBlanc oversaw establishing ground control points across the island. Mr. LeBlanc established the flight layout for orthophotography and photogrammetric mapping that was calculated to fly the most efficient path. Finally, Mr. LeBlanc processed digital orthophoto maps daily from the collected data. Most of these products were updated, rectified, and uploaded within a 24 – 48-hour period from the time data was collected, making it a valuable resource to real-time decision making.
11/18 – 12/18	<b>Oyster Bayou Marsh Restoration (Cameron Parish, LA)</b> Fenstermaker provided survey services as a sub-consultant to S&ME on this CPRA project (LADNR Contract No. 4400012425). Fenstermaker utilized a UAV drone to capture elevations along the required transects, as well as as-built conditions, providing topographic points, a digital terrain model (DTM), ortho-imagery, and RTK surveys. Mr. LeBlanc piloted the UAV that provided light-detecting imaging and processed the resulting data to provide elevation data of the marsh creation area.
05/16 – 10/16	<b>Wetland Delineation, Woodlands Trail, Woodlands Conservancy (Plaquemines Parish, LA)</b> Mr. LeBlanc conducted the field wetland delineation, report production, data processing, and U.S. Army Corps of Engineers Jurisdictional Determination Request for the reassessment of the Woodlands Trail Conservatory in Plaquemines Parish. Mr. LeBlanc assisted in the coordination with the Corps of Engineers and the client in the jurisdictional determination.

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.		
Name	Kyle Mickal	Years of relevant experience with this employer	17	
Title	Engineering Technician II	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		Diploma / 2002 / Drafting and Design Technology		
Active registration number / state / expiration date		Not applicable		
Year registered	Not applicable	Discipline	Not applicable	
Contract role(s) / brief description of responsibilities		GIS Services / Documentation Services – MPR #9		
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).			
<p>Kyle Mickal is an engineering technician who provides critical drafting, mapping, and documentation support for public and private clients. He received his diploma in drafting and design technology in 2002 and is a skilled <b>CADD technician</b> and works in <b>MicroStation for LADOTD projects</b>. Mr. Mickal has worked on wetland delineation and wetland permits projects where he provided wetland mapping services. He has also contributed to the development of several types of USACE permit applications.</p>				
10/13-01/17	<p><b>Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 &amp; LA379) (Calcasieu Parish, LA)</b> This contract included engineering and consulting services for the completion of various aspects of the Sasol Chemicals (USA) LLC–Lake Charles Chemicals Project (LCCP). Fenstermaker was responsible for the engineering design of the 1.5-mile heavy haul route used to transport the oversized modules from the Calcasieu River to the proposed plant site in Westlake, Louisiana. Mr. Mickal was responsible for several technical support tasks such as creating soil boring and coring exhibits, creating a map for the feasibility study, creating exhibits for the road traffic improvements, and creating the plan and profile sheets for the Heavy Haul Route. Additional tasks included supporting the construction survey by setting up existing utility owners’ plans, drafting drainage plan and profile sheets, and working on all plan sets and documentation for the project.</p>			
08/18-12/19	<p><b>S.P. No. H.001271 Cane River Bridge Church Street EA (Natchitoches Parish, LA)</b> The Cane River Bridge Church Street (LA1-X) project in Natchitoches Parish, LA involved the preparation of an NEPA environmental assessment for the proposed replacement of the bridge. Fenstermaker was the prime consultant managing five consulting firms to develop the highly sensitive project environmental document due to the historical context of the project. Mr. Mickal updated the line and grad exhibits and assisting with public meeting exhibits.</p>			
06/17-11/17	<p><b>S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA (Ouachita Parish)</b> Fenstermaker served as the prime consultant responsible for the Environmental Assessment (EA), including the planning, public outreach, and engineering and environmental services needed for LADOTD and FHWA to reach an environmental decision for the proposed widening of US 80 in Ouachita Parish. The widening project will span approximately 1.4 miles. Mr. Mickal was responsible for creating an aerial file for the line and grade study, designing proposed driveways, and updating all project exhibits.</p>			
07/06-09/06	<p><b>Kansas Lane/Garrett Road Connector and Interstate-20 Interchange and Improvements: Stage 0 Feasibility Study (Ouachita Parish, LA)</b> LADOTD contracted Fenstermaker to research and develop a feasibility study for the integration of a grade-separated bridge structure over Interstate 20 and the Kansas City Southern (KCS) railroad facility in Ouachita Parish. The feasibility study also examined the realignment of the Kansas Lane and Garrett Road connector, which was proposed for conversion into a multi-lane transportation facility in Monroe, Louisiana. Mr. Mickal reviewed markups on the project’s documentation and worked with the design engineer on the study.</p>			

Firm employed by		C. H. Fenstermaker & Associates, L.L.C.		
Name	Andrew Harrel	Years of relevant experience with this employer	3.5	
Title	Environmental Field Assistant	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		B.S. / 2017 / Biology		
Active registration number / state / expiration date		Not applicable		
Year registered	Not applicable	Discipline	Not applicable	
Contract role(s) / brief description of responsibilities		Biological Assessments and Surveys - MPR #5		
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).			
Mr. Harrel performs wetland delineations, threatened and endangered species reports, habitat assessments, Storm Water Pollution Prevention Planning, and FEMA storm damage estimations. Mr. Harrel determines wetland and stream boundaries on the bases of hydrology, vegetation, and soils. While out in the field Mr. Harrel is very observant of his surroundings, looking for the presence or absence of threatened and endangered species. Mr. Harrel is proficient in Geographic Information Systems (GIS) map preparations in conjunction with data assessments for methodology design, vegetation identification, and habitat identification.				
12/19 – Ongoing	<b>Environmental Services for Trinity Operating (USG), LLC. (Caddo Parish, LA)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for multiple projects.			
01/20	<b>Environmental Services for Southwind Oil &amp; Gas L.L.C. (Evangeline and Rapides Parishes, LA)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for the project.			
12/19 - Ongoing	<b>Stormwater Pollution Prevention Plan (SWPPP) for Entergy Corporation, Louisiana</b> Environmental Field Assistant: Mr. Harrel performed SWPPP inspections.			
12/19 - Ongoing	<b>Environmental Services for Entergy Corporation (Southeastern United States)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for the project.			
12/19 - Ongoing	<b>Environmental Services for Blue Dome Operating LLC. (Caddo Parish, LA)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for multiple projects.			
12/19 - Ongoing	<b>Environmental Services for Chesapeake Operating (Caddo &amp; DeSoto Parish, LA)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for multiple projects.			

12/19 - Ongoing	<b>Environmental Services for Goodrich Petroleum Corp. (Caddo Parish, LA)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for multiple projects.
12/19 - Ongoing	<b>Environmental Services for BPX Energy (South Texas)</b> Mr. Harrel served as an environmental field assistant and performed wetland delineations and threatened and endangered species surveys in the field and prepared regulatory documents for multiple projects.
10/21 - Ongoing	<b>Environmental Services for BPX Energy (South Texas) Environmental Services for Federal Emergency Management Agency (St. John the Baptist Parish, LA)</b> Mr. Harrel performed storm damage estimations for FEMA. The job included estimating the damage of individuals homes and gathering data to help FEMA with determining the amount of damage that occurred in the area.
01/20 – 05/21	<b>Catlett to South Canton Transmission Line Substation Wetland Permitting &amp; Right of Way (Madison County, MS)</b> Entergy needed environmental services completed on-time to allow construction of the proposed Catlett Substation and installation of the 6.0-mile Catlett to Canton Transmission Line. Fenstermaker was tasked with identifying permitting needs for the proposed substation and transmission line in addition to unearthing any recognized environmental conditions (RECs) within the property boundaries. Fenstermaker conducted environmental field work to identify potential impacts to Waters of U.S. and to identify if the project would impact federal listed T&E species. Data collected during field surveys assisted Fenstermaker with addressing permitting needs with the USACE and USFWS. Additionally, a Phase I Environmental Site Assessment was conducted to identify if RECs were present prior to property purchase. Mr. Harrel performed the wetland delineation and assisted with preparing the wetland delineation report.

Firm employed by:		Coastal Environments, Inc.	
Name	Walker Wilson, M.S.	Years of relevant experience with this employer	19
Title	Proj. Sci. II: Wildlife Biologist/Wetland Biologist	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		M.S./2005/Louisiana State University/Wildlife B.S./2001/Louisiana State University/Wildlife and Fisheries B.S./1999/Louisiana State University/Zoology	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Senior Biologist: Biological Assessments & T&E Species surveys; preparation of Biological Assessment and mitigation, in coordination with USFWS, LDWLF and LDOTD. MPR #4	
Experience dates		<i>Mr. Wilson was a senior biologist for wetlands, vegetation, wildlife, T&amp;E Species and/or biological assessments on following projects.</i>	
05/12 - 06/15	<b>H.005403.2. Stage 1 EA, LA Hwy 408-Hooper Rd. Extension &amp; Widening (LA 16-Sullivan Rd), E Baton Rouge &amp; Livingston Parishes.</b> Senior Biologist. In coordination with USFWS & LDOTD, prepared <b>Biological Assessment</b> involving scuba diving at two alternate crossings of Amite River, for federally listed <b>Alabama (inflated) Heelsplitter Mussel</b> . Conducted wetland delineation for one project alternate and co-authored wetland findings report and wildlife assessment and sections of EA on wetlands, vegetation, and wildlife.		
05/23 - 06/23	<b>Black Rail Survey of 16-Ac Tract Golden Pointe. Nueces Co., TX.</b> Senior Biologist. Used audio playback survey protocol approved by U.S. Fish and Wildlife Service to survey for the endangered Eastern Black Rail in marsh habitat on North Padre Island.		
01/13 - 12/13	<b>H.009488.1. Stage 0 Feasibility Study LA 378 Improvements Westlake to Moss Bluff, Calcasieu Parish.</b> Senior Biologist. Conducted investigation of wetlands & T&E species; prepared Environmental Checklist and summary report of findings and methodology.		
02/10 - 06/15	<b>H.004891. US 61 / I-10 Connector EIS, St. John the Baptist Parish.</b> Senior Biologist. Conducted aerial reconnaissance to locate and map Bald Eagle nests and colonial nesting bird colonies as part of biological assessment for two alternate alignments.		
04/13 - 12/13	<b>H.01008.1. Stage 0 Feasibility Study LA 156 Improvements, Winn Parish.</b> Senior Biologist. Conducted investigation for wetlands and Threatened and Endangered species; prepared Environmental Checklist and summary report of findings.		
10/18 - 05/19	<b>Southland Terminals Tract, Updated Wetland Delineation, Ascension Parish, LA.</b> Senior Biologist. Conducted a wetland delineation on a ±61.29-ac tract, authored a delineation report, submitted it to the USACE-NOD and received a Preliminary JD.		
08/18 - 10/18	<b>Cleco LLC St. Tammany Transmission Line Maintenance, St Tammany Parish.</b> Senior Biologist. Conducted surveys for Gopher Tortoise in project area of maintenance sections on existing ~18 mi transmission line ROW and prepared report of findings.		
08/18 - 09/18	<b>Cleco LLC James Property, Rapides Parish.</b> Senior Biologist. Conducted wetland delineation on a ±122-ac property.		
07/15 - 10/15	<b>Cleco LLC CENLA Transmission Expansion, Rapides Parish.</b> Senior Biologist. Conducted surveys for Red-cockaded Woodpecker and Northern Long-eared Bat in and near the project footprint for a 9.2-mi transmission line ROW. Prepared report of findings.		
11/13 - 11/15	<b>Lake Lery Marsh Restoration-CIAP, St. Bernard Parish.</b> Senior Biologist. Conducted wetland delineation for marsh enhancement and creation project west of Bayou Terre aux Boeufs. Conducted submerged aquatic vegetation survey and a nesting bird survey and prepared wetland delineation report for submittal to USACE, New Orleans District for JD. For St. Bernard Parish Gov't. & URS Corp. (AECOM).		
05/13 - 12/13	<b>Cleco Bistineau Tie Line, Red River Parish.</b> Senior Biologist. Performed environmental surveys and helped write an Environmental Assessment for the Natural Resources Conservation Service on a tract of land registered in the Wetland Reserve Program. Assisted Cleco in getting the necessary permits for installing buried transmission lines on this tract. Coordinated with the US Fish and Wildlife Service to receive a concurrence of negligible impact. For Cleco Power LLC.		

Firm employed by:		<b>Coastal Environments, Inc.</b>	
Name	<b>Mark Gagliano, B.S.</b>	Years of relevant experience with this employer	<b>31</b>
Title	<b>Proj. Sci. II &amp; Sr. VP, Oyster Biologist</b>	Years of relevant experience with other employer(s)	<b>0</b>
Degree(s) / Years / Specialization		<b>B.S./2005/Southeastern Louisiana University/Biology and Aquaculture</b>	
Active registration number / state / expiration date		<b>Not Applicable</b>	
Year registered	<b>Circa. 2004</b>	Discipline	
Contract role(s) / brief description of responsibilities		<b>Oyster Surveys: Perform oyster surveys and analysis in accordance with LDWF requirements. MPR #8</b>	
Experience dates	<b><i>Mr. Gagliano is a LA State Certified Oyster Biologist; a licensed boat captain; an SCUBA diver and a LA licensed contractor for coastal restoration and habitat enhancement, including living shorelines.</i></b>		
<b>08/2022 - ongoing</b>	<b>Lake Machias Bay Brood Reef Monitoring, St Bernard Parish.</b> Oyster Biologist/SCUBA Diver. Conducted two (1- and 6-month) of three proposed oyster monitoring surveys on the Lake Machias Brood Reef for the LA Dept. of Wildlife and Fisheries. Collected and analyzed oyster seeded cultch material to determine survival rate of hatchery-produced larvae set on oyster shells and prepared Report of Findings.		
<b>09/2021 - ongoing</b>	<b>Karako Bay Brood Reef Monitoring, St Bernard Parish.</b> Oyster Biologist/SCUBA Diver. Conducted one (1-month) of three proposed oyster monitoring surveys on oyster brood Reef in Karako Bay for the LDWF. Collected and analyzed oyster seeded cultch material (oyster shells) to determine survival rate of hatchery-produced larvae set on oyster shells and prepared Report of Findings.		
<b>2010 - 2013</b>	<b>The Nature Conservancy and NOAA Oyster Reef Project, St. Bernard and Jefferson Parishes.</b> Biologist/Project Director/Contractor. Directed design, construction, and installation of 3.4 mi of bioengineered oyster reefs using CEI patented ReefBlk™ in coastal Louisiana for creation of living shoreline for shore protection and enhancement of biodiversity. Directed monitoring of reefs post-construction.		
<b>2008</b>	<b>Badger Oil Corp. Oyster Survey, Iberia Parish.</b> Oyster Biologist/SCUBA Diver. Provided transportation, personnel, equipment and survey supplies and conducted oyster biological survey in West Cote Blanch Bay prior to installation of pipeline. Prepared Report of Findings for LDNR Oyster Damage Evaluation Board.		
<b>06/2006</b>	<b>Badger Oil Corp. Oyster Survey, St. Mary Parish.</b> Oyster Biologist/SCUBA Diver. Provided transportation, personnel, equipment and survey supplies and conducted oyster biological survey in West Cote Blanch Bay prior to installation of pipeline. Prepared Report of Findings for LDNR Oyster Damage Evaluation Board.		
<b>09/2009 – 12/2010</b>	<b>Halfmoon Bay Oyster Reef Survey, Matagorda Co., TX.</b> Senior Biologist/Boat Captain. Piloted survey vessel and directed hydrographic/remote-sensing survey to document extent and condition of oyster reef and shellfish habitat, seagrass beds, type of substrate, bathymetry, and cultural remains in vicinity of relict reef slated for rehabilitation by The Nature Conservancy of TX. Directed preparation of Report of Findings.		
<b>2008</b>	<b>T-C Oil Bayside Seismic Survey, Refugio Co., TX</b> for T-C Oil Company. Project Director/Boat Captain. Conducted remote sensing survey to map oysters, cultural resources, and hazardous materials in Mission Bay and Copano Bay, TX using side-scan sonar, magnetometer, Odom fathometer and Hypac software.		
<b>07/2003 – 03/2004</b>	<b>Fairfield Industries Oyster Biological Survey, Iberia Parish for Fairfield Industries.</b> Oyster Biologist/SCUBA Diver. Classification of habitats, populations and testimony before the Louisiana Oyster Damage Evaluation Board related to 3-D Geophysical Seismic survey operations.		

Firm employed by:		<b>Coastal Environments, Inc.</b>	
Name	<b>Hunter Guidry, B.S.</b>	Years of relevant experience with this employer	<b>6</b>
Title	<b>Director Applied Science &amp; Planning Div., Project Scientist II, Biologist/Wetlands Ecologist</b>	Years of relevant experience with other employer(s)	<b>19</b>
Degree(s) / Years / Specialization		<b>B.S./1996/Louisiana State University/Environmental Management Systems</b>	
Active registration number / state / expiration date		<b>N/A</b>	
Year registered	<b>N/A</b>	Discipline	
Contract role(s) / brief description of responsibilities		<b>Environmental Professional: Regulatory Compliance and Permitting &amp; Environmental Site Assessment Phase I. Certificates: Wetland Delineation and ESA Phase I Training; ATSSA Traffic Control Tech.-LA State Specific. MPR #7</b>	
Experience dates	<b><i>Mr. Guidry provided Environmental Services for permitting, ESA I investigations and/or Wetland Delineations for following projects.</i></b>		
<b>02/18 – 05/18</b>	<b>H.011670.1 &amp; H.011670.2. I-10/Loyola Interchange Improvement Project Corridor, Jefferson Parish.</b> Project Scientist II. Performed multiple site inspections of various impact locations for several different alignments for the ESA-Phase I. Attended public meetings and interacted with state and local agencies as well as answered questions from the public about environmental impacts of the project.		
<b>11/22-03/22</b>	<b>Pelicans Landing Phase II, Crown Pointe Development, Jefferson Parish.</b> Project Scientist II. Prepared Joint Coastal Use Permit application for second phase of development and submitted and tracked application through Jefferson Parish Office of Coastal Management and USACE.		
<b>08/21-ongoing</b>	<b>Stennis Space Center Regulatory Compliance and Permitting for Relativity Space, Hancock Co., MS.</b> Project Scientist II. Prepared wetland determinations and Joint Coastal Use/404 Permit Applications on 186-ac proposed rocket fuel testing site within Stennis. Submitted wetland determination to USACE for jurisdictional determination .		
<b>09/17 – 11/17</b>	<b>Cleco Emergency-Storm Laydown Yard. St. Tammany Parish.</b> Project Scientist II. Conducted preliminary environmental assessment, preliminary wetland delineation, and wetlands permitting consultation on a 10-ac tract sod farm proposed emergency storm laydown yard for future hurricane/storm use and prepared reports and maps of findings.		
<b>06/17 – 12/17</b>	<b>Cleco Goodbee Substation Site. St. Tammany Parish.</b> Project Scientist II. Conducted ESA-Phase I, wetland delineation, USACE Nationwide 12 Permit, and T&E species survey on a one-ac tract for proposed substation and prepared report of findings for client.		
<b>08/16 – 02/17</b>	<b>Cleco 3.25-mi ROW DeQuincy ESA I, Calcasieu Parish.</b> Project Scientist II. Conducted ESA-Phase I, wetland delineation, USACE 404 Permit, and T&E species survey on a 14.23-ac tract for proposed transmission line clearing and installation; prepared reports of findings.		
<b>02/21-ongoing</b>	<b>Belle Terre Multi-Use Development, LaPlace.</b> Project Scientist II. Prepared a revised Coastal Use Permit for multi-use development project and submitted to DNR and USACE-NOD for review and concurrence.		
<b>02/17 – 08/18</b>	<b>Alton Phase I Drainage Improvements, St. Tammany Parish.</b> Project Scientist II. Assisted N-Y Associates working for St. Tammany Parish Government and conducted wetland delineation on multiple mile drainage improvement project. Performed field work, prepared report of findings, and consulted on wetlands permitting aspects of project.		
<b>06/16 – 08/18</b>	<b>Cleco 3.5-mi Distribution Line, Calcasieu Parish</b> for Cleco. Project Scientist II. Conducted wetland delineation and endangered species survey on multiple mi project ROW in southwestern Louisiana. Prepared report of findings and received jurisdictional determination from USACE. Assisted client in preparation, submittal and tracking of permit application for submittal to USACE for Nationwide 12 permit.		
<b>02/16 – 08/18</b>	<b>Cleco Transmission Line and Substation Expansion, St. Mary &amp; Terrebonne Parishes.</b> Conducted wetland delineations and endangered species surveys on multiple mile project ROW and Bayou Vista substation expansion. Prepared report of findings and advised on wetlands permitting aspects of project. Conducted a SWPPP, prepared NOI for submittal to LDEQ, and prepared report for client.		

Firm employed by:		Coastal Environments, Inc.	
Name	Karen M. Wicker, Ph.D.	Years of relevant experience with this employer	48
Title	Senior Vice President, Principal	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		Ph.D./1979/Louisiana State University/Physical Geography M.S./1975/ Louisiana State University/Physical Geography B.S./1970/Mary Washington College of University of VA/American Studies	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Principal: Direct CEI scientists' work related to NEPA Compliance and Environmental Investigations. Has completed "HNI Course No. 142005, National Environmental Policy Act (NEPA) and Transportation Decision Making."	
Experience dates	<i>Dr. Wicker directed Environmental Investigations and NEPA compliance documentation for the following LDOTD projects.</i>		
02/10 - 12/23	<b>H.004891.1. US 61 / I-10 Connector EIS and Supplement, St. John the Baptist Parish.</b> Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources and ESA-phase 1; preparation of NEPA associated documents; sections of EIS; and alternatives' analyses.		
06/12 - 06/22	<b>H.003931.1 &amp; H.003931.5. New I-10 Calcasieu Bridge and Approaches EIS, Calcasieu Parish, LA.</b> Principal/Project Director for ESA-Phase I investigation; assisted in preparation of ESA-I document and HTRW section of EIS.		
05/12 - 12/14	<b>H.005403.2. Stage 1 Environmental Assessment, LA Hwy 408-Hooper Rd. Extension &amp; Widening (LA 16-Sullivan Rd), E Baton Rouge &amp; Livingston Parishes.</b> Principal/Project Director for investigations for wetlands, T&E species, Biological Assessment, cultural resources & ESAI; preparation of NEPA compliance environmental documents and related sections of EA.		
01/13-12/ 13	<b>H.01008.1. Stage 0 Feasibility, LA 156 Improvements Calvin - US 167, Winn Parish.</b> Supervisor/Environmental Manager for investigations for wetlands, T&E species, HTRW & cultural resources; and preparation of Environmental Checklists.		
04/13-12/ 13	<b>H.001399. LA HWY 23 (Happy Jack to N Port Sulphur) Stage 1 EA, Plaquemines Parish.</b> Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of NEPA Compliance environmental documents and related sections of EA.		
05/11 - 09/12	<b>700-28-0213, H.004482.2. Ambassador Caffery N Extension Supplement 3, Lafayette Parish.</b> Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources & ESA - Phase 1; preparation of NEPA related environmental documents and related sections of EA Supplement.		
03/03-05/05	<b>700-19-0108. Florida Ave. Bridge over IHNC EA, Orleans &amp; St. Bernard Parishes.</b> Supervisor/Environmental Manager for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of environmental documents and related sections of EA.		
05/99 - 07/02 06/06 - 06/07	<b>700-26-0076. LA 1088/I-12 Interchange EA &amp; Supplement, St. Tammany Parish.</b> Supervisor-Other for investigations for ESA-Phase I, wetlands, threatened and endangered species and cultural resources surveys and preparation of environmental documents and sections of EA. Supervised preparation of Wetland Delineation update under LADOTD supplement.		
01/02 - 11/05	<b>700-14-0018. Huey P. Long Bridge Widening EA, Jefferson Parish.</b> Supervisor-Other for investigations for ESA-Phase I, Wetlands Delineation, T&E Species, Natural and Human Environment setting and preparation of EA and other NEPA compliance documents; participated in public meetings and responded to comments.		

Firm employed by		Delta Coast Consultants, LLC		
Name	Ronnie W. Duke	Years of relevant experience with this employer	1.5	
Title	Environmental Project Manager/Biologist	Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization		B.S. / 2003/ Marine Biology M.S/2008/ Marine & Environmental Biology		
Active registration number / state / expiration date		REP324450683/Nationwide/12-23 Oyster Lease Damage Evaluation Board (OLDEB) Certified Oyster Biologist/LA/2-23		
Year registered	REP – 2009 OLDEB - 2005	Discipline	Environmental/Oysters	
Contract role(s) / brief description of responsibilities		Biological Oyster Assessments/Wetland Delineations/Mitigation Monitoring & Plans/Threatened and Endangered Species Surveys/Colonial Nesting Bird Surveys/Bald Eagle Monitoring/USACE Section 404 Permitting		
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).			
Mr. Duke is a Certified Louisiana Department of Natural Resources Oyster Lease Damage Evaluation Board (OLDEB) oyster biologist, Registered Environmental Professional and certified scientific diver with 17 years of professional experience conducting biological investigations throughout coastal Louisiana. His experience includes biological oyster assessments, wetland delineations, mitigation monitoring/mitigation plans, threatened and endangered species surveys, colonial nesting bird surveys, bald eagle monitoring and USACE Section 404 permitting.				
11/22	<b>CPRA, Bayou Dularge Ridge, Restoration, Marsh Creation &amp; Hydrologic Restoration (TE-0170) (Terrebonne Parish, LA)</b> Biological oyster assessment to minimize impacts to private oyster leases and public seed grounds for the creation of 700 acres of marsh, 35 acres of ridge and salinity reduction along Bayou Dularge.			
10/22	<b>Terrebonne Parish Consolidated Government, Morganza to the Gulf Reach F Mitigation Monitoring (Terrebonne Parish, LA)</b> Mitigation Monitoring of approximately 150 acres of created and nourished wetlands for vegetative species composition and survival.			
03/22	<b>CPRA, Biloxi Marsh Living Shoreline Protection Project (PO-0174) Avian Nesting Prevention &amp; Avoidance Monitoring (Plaquemines Parish, LA)</b> Migratory Bird Plan and Monitoring that included a multi-phase approach to assess and mitigate colonial nesting bird species for the construction of approximately 14 miles of living shoreline.			
09/20	<b>CPRA, Terrebonne Basin Ridge and Marsh Creation Project (TE-0139) (Terrebonne Parish, LA)</b> Biological oyster assessment to minimize impacts to private leases for the creation of 10 miles of earthen ridge and up to 1,430 acres of marsh along the east bank of Bayou Terrebonne			
05/20	<b>CPRA, Lake Borgne Marsh Creation Project (PO-0180) (St. Bernard Parish, LA)</b> Biological oyster assessment to minimize impacts to private oyster leases for the restoration of approximately 3,500 acres of degraded intertidal marsh along the south shoreline of Lake Borgne near Proctor’s Point.			
04/19	<b>CPRA, No Name Bayou Marsh Creation Project (CS-0078) (Cameron Parish, LA)</b> Biological oyster assessment to minimize the impacts to the Calcasieu Lake Tier 2 Public Seed Ground for the creation and nourishment of approximately 533 acres of saline marsh by using hydraulically dredged sediment from Calcasieu Lake.			
04/19	<b>CPRA, Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection (BA-0206) (Jefferson Parish, LA)</b>			

	Biological oyster assessment to minimize impacts and quantify oyster resource on the Little Lake Public Seed Ground for the creation of approximately 300 acres of marsh using sediment dredged from Turtle Bay and protect approximately 2,870 feet of critical shoreline.
07/18	<b>CPRA, Bay Denessee Marsh Creation Project (BS-0031) (Plaquemines Parish, LA)</b> Biological oyster assessment to minimize impacts to the Breton Sound Public Seed Ground to restore marsh within Bay Denessee to increased protection to coastal communities, provide important wildlife habitat, and support the natural resource-based economy and culture of Louisiana.
09/17	<b>CPRA, Rabbit Island Restoration Project (CS-0080) (Cameron Parish, LA)</b> Biological oyster assessment to minimize impacts to the Calcasieu Lake Public Seed Ground to enhance 220 acres of rookery habitat by creating interior dunes, re-vegetation, and installing shoreline protection.
09/15	<b>CPRA, Coles Bayou Marsh Restoration (TV-63) (Vermilion Parish, LA)</b> Biological oyster assessment to minimize impacts to the Vermilion Bay Public Seed Ground for the creation of approximately 365 acres of marsh and the nourishment of an additional 53 acres of brackish marsh.
03/14	<b>CPRA, East Cote Blanche Bay Hydrologic Restoration Project Maintenance-PVC Wall Extension (TV-04) (St. Mary Parish, LA)</b> Biological oyster assessment to minimize impacts to the Atchafalaya Public Seed Ground for the construction of a PVC sheet-pile wall to reduce wave erosion and water exchange between interior marshes and outer bays with low level weirs.
04/13	<b>CPRA, Northwest Turtle Bay Marsh Creation Project (BA-125) (Jefferson Parish, LA)</b> Biological oyster assessment to minimize impacts to the Little Lake Public Seed Ground for the creation of approximately 423 acres marsh and nourish an additional 337 acres of marsh with dredge material form Turtle Bay.
04/12	<b>CPRA, Cameron Creole Watershed Marsh Creation Project (CS-54) (Cameron Parish, LA)</b> Biological oyster assessment to minimize impacts to Calcasieu Lake Public Seed Ground for the creation of marsh through the use of borrow material from Calcasieu Lake.
07/11	<b>CPRA, Barataria Barrier Island Complex Project: Scofield Island (BA-40) (Plaquemines Parish, LA)</b> Biological oyster assessment to minimize impacts to private oyster leases for the restoration of approximately 429 acres of dune, beach and berm as well as 278 acres of intertidal marsh on and near Scofield Island.
05/10	<b>CPRA, Orleans Landbridge Shoreline Protection Project (PO-36) (Orleans &amp; St. Bernard Parish, LA)</b> Biological Oyster Assessment to minimize impacts to private oyster leases for the protection of approximately 1,400 acres of marsh on the East Orleans Landbridge, and thereby protecting Orleans and St. Bernard Parish communities by reducing the rate of shoreline erosion.

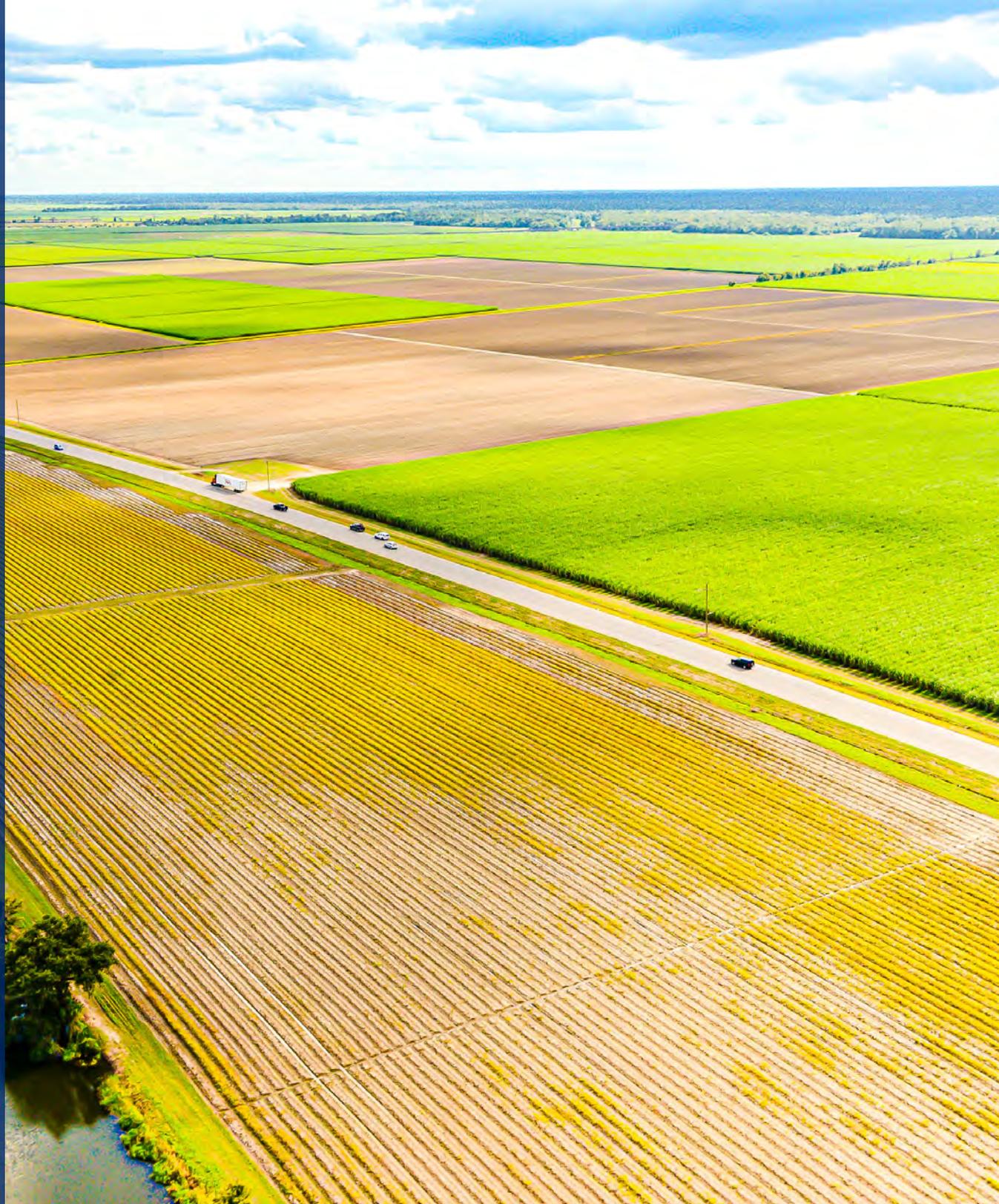
Firm employed by		<b>Delta Coast Consultants, L.L.C.</b>			
Name	Kenneth King, REP, FP-C	Years of relevant experience with this employer	3		
Title	Environmental Group Manager	Years of relevant experience with other employer(s)	23		
Degree(s) / Years / Specialization		B.S. / 1996/ Marine & Env. Biology M.S./2008/Marine & Env Biology			
Active registration number / state / expiration date		REP377871704/Nationwide/12-23 FP-C#3011/Nationwide/12-25 Oyster Lease Damage Evaluation Board (OLDEB) Certified Oyster Biologist/LA/2-23			
Year registered	REP – 2009 FP-C – 2008 OLDEB - 2005	Discipline	Environmental/Fisheries/Oysters		
Contract role(s) / brief description of responsibilities		Certified Scientific SCUBA Diver/Underwater Biological Surveys/Oyster Surveys and Analysis			
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).				
<p>Mr. King has 26 years of professional consulting experience in the Environmental field with an emphasis in marine biology. His experience includes consulting on issues specific to oyster biology, standing crop analysis, cultivation, and general oyster industry practices. Mr. King has conducted numerous oyster assessments throughout his career for local and state government entities as well as private industry. Mr. King has also served as a subject matter expert and expert witness in cases involving oyster lease damages.</p> <p>Mr. King was a participant in the original team assigned to develop the rules and regulations that govern CPRA’s Oyster Lease Acquisition and Compensation Program (OLACP). Mr. King has provided OLACP Study Group guidance, expert testimony and field evaluations for CPRA related to this program. Mr. King’s involvement in the OLACP program began in 2006. This initial involvement began with the development of the rules, regulations and protocols that govern the program and led to the first set of coastal restoration project field assessments and acquisitions. Since that time, Mr. King has been instrumental in developing program improvements while concurrently conducting field assessments and acquisitions as part of coastal restoration and protection projects.</p>					
01/19 – 01/22	<p><b><i>CPRA Biological Consulting Services, Contract No. 4400020686</i></b></p> <p>Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.</p>				
01/16 – 01/19	<p><b><i>CPRA Oyster Biologist Services, Contract No. 3000013315</i></b></p> <p>Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.</p>				
01/13 – 01/16	<p><b><i>CPRA Oyster Biology Services, Contract No. 2503-16-16</i></b></p>				

	Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.
01/12 – 01/13	<b><i>CPRA Oyster Biology Services, Contract No. 2503-13-36</i></b>  Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.
01/10 – 01/12	<b><i>LDNR Professional Oyster Biology Services, Contract No. 2503-14-07</i></b>  Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.
01/08 – 01/10	<b><i>LDNR Professional Oyster Biology Services, Contract No. 2503-19-14</i></b>  Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.
01/06 – 01/08	<b><i>LDNR Professional Oyster Biology Services, Contract No. 2503-06-12</i></b>  Mr. King served as the overall project manager for projects associated with this contract. His specific duties included coordination and participation in field assessments, preparation and QAQC of project deliverables, appraisal site visit, and general oyster industry consultation.
10/10 – 11/11	<b><i>Deep Water Horizon MC252 Oyster Subject Matter Expert, Expert Witness, and Damage Assessments</i></b>  Mr. King served as an expert witness and subject matter expert as part of the Deep Water Horizon MC252 team in respect to the economic aspect of Louisiana oyster cultivation as well as coordinating damage assessment evaluations of oyster resources in the State of Louisiana as a result of the spill.
04/97 – 04/05	<b><i>Louisiana Department of Wildlife and Fisheries – Marine Fisheries Biologist</i></b>  Mr. King was employed by the LDWF as a marine fisheries biologist 1/2/3 where his primary duties included collection of field data and preparation oyster assessment documents which aided in the preparation of management recommendations on the species. Field assessments included collecting samples using SCUBA and oyster analysis techniques.

Firm employed by	Gaea Consultants, LLC		
Name	Tonja Koob Marking, PhD, PE, D.WRE, CFM	Years of relevant experience with this employer	24
Title	President	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	PhD/est'd 2026/History MA/2020/History MBA/2010/Finance PhD/2002/Civil and Hydraulic Engineering ME/1996/Environmental Engineering MSPH/1993/Environmental Toxicology and Risk Assessment BA/1990/Biology		
Active registration number / state / expiration date	30749 / LA / 2023		
Year registered	2003	Discipline	
Contract role(s) / brief description of responsibilities	Environmental Engineer/Permit Specialist		
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).		
06/12-01/15	Belle Chasse Tunnel-Bridge—directed and wrote Phase I Environmental Site Assessment; directed Traffic Count field work for Environmental Assessment		
07/14-12/16	MSY Airport Environmental Assessment—directed and wrote multiple sections of Environmental Assessment including Threatened and Endangered Species Survey, wetlands determination, floodplain encroachment		
02/14-09/19	Livingston and Schwartz Schools—designed demolition plans for RSD schools; secured permits for demolition and debris removal; managed demolition contractor		
02/17-08/17	NDRC Grant—performed preliminary environmental review for 20 project for grant application including historic preservation, floodplain management, coastal zone management, wild and scenic rivers		
01/17-09/17	Children’s Museum 404 Permit—successfully obtained USACE 404/10 permit for new Children’s Museum in City Park		
06/17-06/19	Non-Rock Alternative Shoreline Protection—prepared Environmental Consideration Report; secured Coastal Use Permit		
04/20-09/20	USACE Barge Debris Removal—investigated channel debris for hazardous substances; coordinated with USACE and solid waste contractor for proper disposal; coordinated with DOTD for debris manifests		
12/20-present	Almonaster Bridge Rehabilitation—directed and wrote Categorical Exclusion NEPA document, coordinated with state and federal agencies for USACE Section 10/404, LDNR for CUP, USGS for bridge, Levee Board permits		
09/21-present	Orpheum Levee Pave—directed drainage study; coordinated with federal and state agencies for DNR CUP, USACE 10/404, and Levee Board permits		

Firm employed by	<b>Gaea Consultants, LLC</b>		
Name	Lauren Peytavin, Ei	Years of relevant experience with this employer	6
Title	Project Designer	Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization	Master's Certificate/2021/Coastal Engineering BS/2018/Civil Engineering BA/1990/Biomedical Science		
Active registration number / state / expiration date	EI#003372/Louisiana/2024		
Year registered	2018	Discipline	
Contract role(s) / brief description of responsibilities	Environmental Professional; environmental services, permitting		
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).		
01/18-12/18	Environmental Record Review and Phase I Environmental Site Assessment—conducted the peer review of the Environmental Record Review and Phase I documents for multiple projects for the New Orleans Redevelopment Authority, including reporting standards, practices, as well as technical content		
01/19-01/20	Permit Analyses for Privately-Owned Properties—researched current and historic permits from state and federal agencies in support of litigation; reviewed LPDES, well, storage tank, CUP, and USACE 404/10 permits for consistency with current activities; advised clients of non-compliant activities		
12/20-present	Almonaster Bridge Rehabilitation—conducted field investigations for the Categorical Exclusion NEPA document and Phase I Environmental Site Assessment; coordinated with state and federal agencies for USACE Section 10/404, LDNR for CUP, USGS for bridge, Levee Board permits		
03/21-present	RR020 Bywater-Marigny Recovery Roads—coordinated with New Orleans Public Belt Railroad and Southeast Louisiana Flood Protection Authority East to obtain permits for the City of New Orleans and its contractor to perform street repairs; ensured contractor maintained compliance with permitted activities, particularly during high water events on the Mississippi River		
09/21-present	Orpheum Levee Pave—conducted drainage study; designed levee pavement; coordinated with federal and state agencies for DNR CUP, USACE 10/404, and Levee Board permits		

# SECTION 17



## 17. Firm Experience:

Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Environmental
Project name	IDIQ Retainer Contract for Environmental Permitting Services	Firm responsibility (prime or sub?)	Prime
Project number	H.003014   H.001842.2 H.011137.1   H.011152.2	Owner's name	Louisiana Department of Transportation and Development
Project location	Grant, Lafayette, St. Martin, and St. Tammany Parishes	Owner's Project Manager	Robert Lott
Owner's address, phone, email	1201 Capitol Access Road Baton Rouge, LA 70802, (225) 242-4504, robert.lott@la.gov		
Services commenced by this firm (mm/yy)	01/15	Total consultant contract cost (\$1,000's)	\$61.81
Services completed by this firm (mm/yy)	03/18	Cost of consultant services provided by this firm (\$1,000's)	\$61.81

**H.003014 I-10: E JCT I-49 to Atchafalaya Floodway** Fenstermaker conducted a routine wetland delineation. The proposed project required pavement rehabilitations and additional travel lanes along I-10, from the east junction of LA HWY 328 continuing eastward to the Atchafalaya Floodway Bridge. The wetland delineation was limited to the existing road ROW. The approximate point-of-beginning was in Breaux Bridge, Louisiana (I-10: E and LA HWY 328 junction) and traversed approximately 6.5 miles eastward to the point-of-ending. **Fenstermaker conducted the delineation in accordance with the 1987 U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region.** The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils.



**H.001842.2 LA 471: Dartigo Creek & Creek Bridges** Fenstermaker was issued Task Order #2 in February 2016 for Dartigo Creek & Creek Bridges. Fenstermaker conducted a routine wetland delineation in May 2016. The proposed project will require the relocation and elevating of an existing 0.662-mile section of LA 471 and replacing three bridge structures along a new alignment. The proposed project is on LA 471 and begins approximately 1125 feet north of the intersection of Dartigo Road and LA 471 and proceeds northward along LA 471 approximately 225 feet north intersection of Big Hiss Road and LA 471. The existing bridge structures were treated timber trestle bridges with two lanes and no shoulders. The three new concrete slab span bridges with 30-foot clear roadway widths were planned for construction. The construction plans included an embankment to raise the roadway and bridges above the 25-year flood elevation. The proposed project also included the addition of new drainage pipes. The wetland delineation was limited to the existing road ROW and the required ROW for the proposed construction.

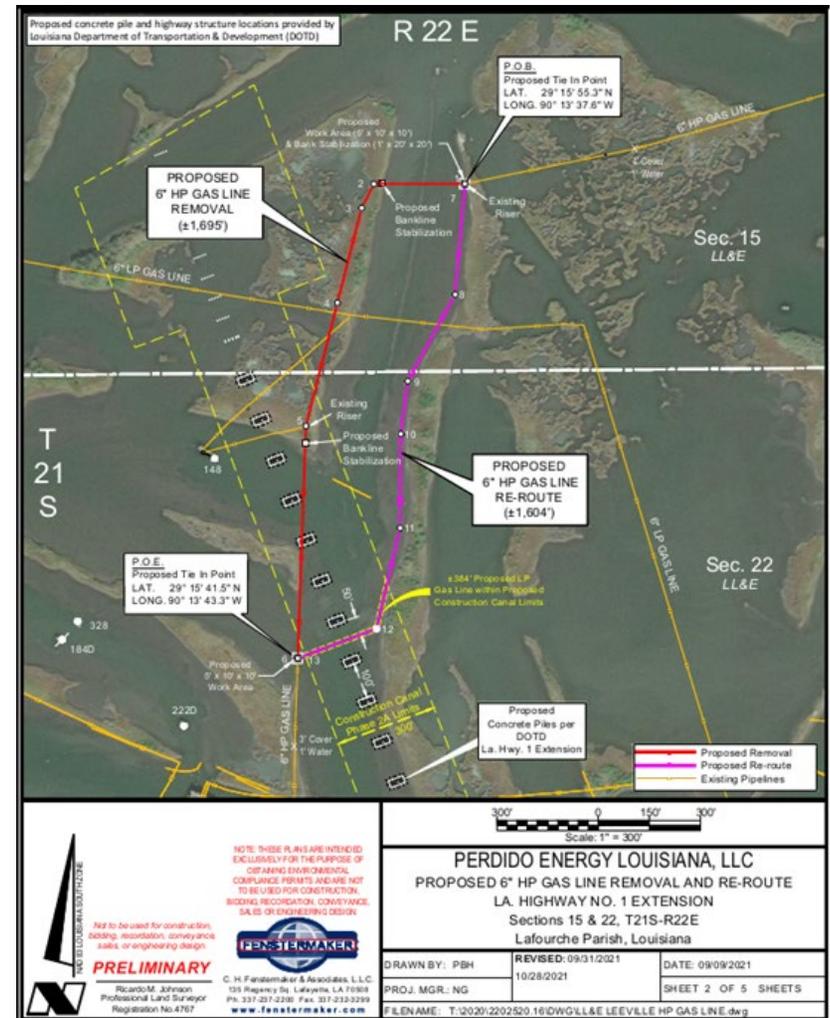
**H.011137.1 I-12: LA 21 to LA59 US190 & H.011152.2 I-12 LA21 I-12: US190 to LA59** Fenstermaker conducted a routine wetland delineation in March & April of 2017. The proposed project required pavement rehabilitations and additional travel lanes along Interstate 12, beginning approximately one mile and one tenth west from the junction of LA 21 and continuing eastward to LA 59. The delineation was limited to the existing road ROW and the required ROW for the proposed construction. **Fenstermaker conducted the delineation in accordance with the 1987 U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual and the Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0, November 2010).** The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils.

**Key Personnel:** Chris Guidry | Coy LeBlanc

Firm name	C. H. Fenstermaker & Associates L.L.C		Past Performance Evaluation Discipline(s)*	Environmental
Project name	High Pressure Pipeline for LA 1 Crossing		Firm responsibility (prime or sub?)	Prime
Project number	Not applicable	Owner's name	Perdido Energy Louisiana, LLC	
Project location	Lafourche Parish, LA		Owner's Project Manager	Jacob Sanchez
Owner's address, phone, email	1021 Main Street Houston, TX, 770022   (832) 260-6213   jsanchez@perdidoenergy.com			
Services commenced by this firm (mm/yy)	08/21	Total consultant contract cost (\$1,000's)		\$14.86
Services completed by this firm (mm/yy)	02/23	Cost of consultant services provided by this firm (\$1,000's)		\$14.86

Fenstermaker acquired regulatory permits for a pipeline removal and re-location along the route of LADOTD's LA Hwy 1 improvements project in Lafourche Parish. Fenstermaker coordinated with the Louisiana Department of Natural Resources Office of Coastal Management (OCM) to acquire the Coastal Use Permit required for Perdido Energy's removal and re-routing of a 6-inch, high pressure line (C.U.P No. P20210207). Additional authorizations were required from the U.S. Army Corps of Engineers (USACE). Fenstermaker provided permit drawings and assisted with preparing and submitting documentation for the USACE Programmatic General Permit Category I [MVN 2021-00308-CI (PGP 1)]. Fenstermaker also secured a letter of no objection from Lafourche Parish after their review of the Coastal Zone Activity Certificate application.

**Key Personnel:** Chris Guidry



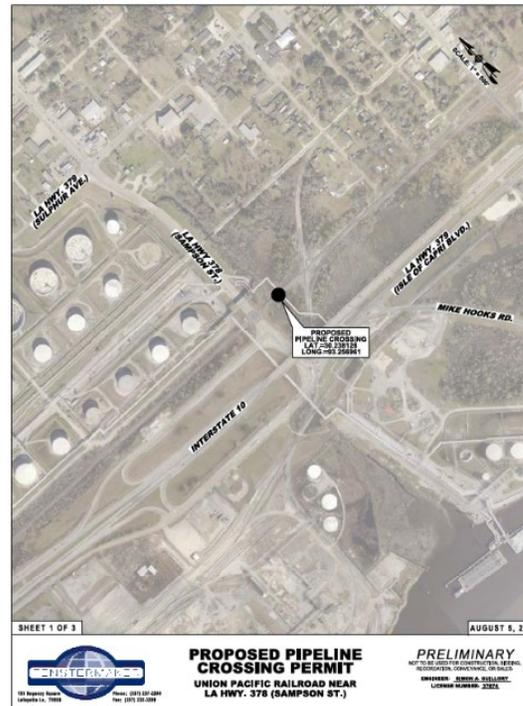
Permit drawing for HP Gas Line Removal and Re-Route

Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Environmental
Project name	Sasol Heavy Haul Road Engineering & Construction (LA 378 & 379)	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Fluor Enterprises, Inc.
Project location	Calcasieu Parish, LA	Owner's Project Manager	Sean Anderson
Owner's address, phone, email	1 Fluor Daniel Dr. Sugarland, TX 77478, (337) 310-7828, sean.m.anderson@fluor.com		
Services commenced by this firm (mm/yy)	09/13	Total consultant contract cost (\$1,000's)	\$13,342.00
Services completed by this firm (mm/yy)	02/19	Cost of consultant services provided by this firm (\$1,000's)	\$11,413.00

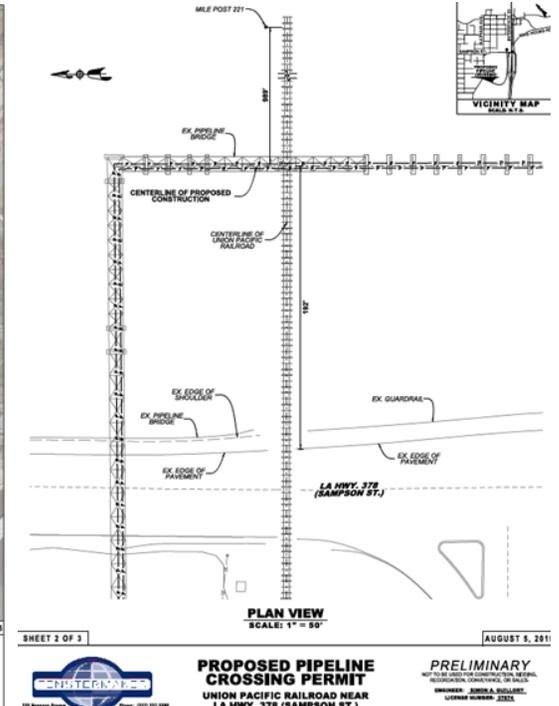
Fenstermaker played a crucial role in the successful completion of the Sasol Heavy Haul Route project. With a budget of \$60 million, this award-winning construction initiative aimed to widen a 2.4-mile section of state highway, transforming it from a two-lane road with no shoulders to a three-lane road with a continuous two-way left turn lane (TWLTL) and shoulders. Fenstermaker was responsible for designing various road features, including turn lanes, dual turn lanes, dedicated right turn lanes, and adaptive traffic signalization systems. Fenstermaker also provided permitting services for the project's LCCP Pipelines. This portion of the project required the installation of a 6-inch High Density Polyethylene (HDPE) across three LADOTD rights-of-way on LA Highway 378 (Sampson Street). Fenstermaker acquired utility permits from LADOTD for the road crossing. The installation of the pipeline also crossed the Union Pacific Railroad railway tracks along Highway 378. Additionally, Fenstermaker prepared permitting sketches and exhibits to support the application filing with the Union Pacific Railroad.

This heavy haul road project required the client to obtain three LADOTD permits, nos. 15398, 153357, and 153857.

**Key Personnel:** Chris Guidry | Megan Fairley



*Permitting exhibit showing the proposed pipeline crossing the Union Pacific Railroad*



*Permitting Plan View of the Proposed Pipeline Crossing Permit*

Firm name	C. H. Fenstermaker & Associates L.L.C	Past Performance Evaluation Discipline(s)*	Environmental
Project name	Bay Raccourci TE-0156/0166 Biological Oyster Assessment Report	Firm responsibility (prime or sub?)	Prime
Project number	Not applicable	Owner's name	Coastal Protection and Restoration Authority
Project location	Terrebonne Parish, LA	Owner's Project Manager	Chuck Sawyer
Owner's address, phone, email	186 Terrace Avenue, Baton Rouge, LA 70802   (225) 342-7329   charles.sawyer@la.gov		
Services commenced by this firm (mm/yy)	06/21	Total consultant contract cost (\$1,000's)	\$19.53
Services completed by this firm (mm/yy)	07/21	Cost of consultant services provided by this firm (\$1,000's)	\$19.53

CPRA is managing a marsh creation and ridge restoration project (TE-0156) and a marsh creation increment (TE-0166) in Bay Raccourci. The primary goals of TE-0156 are to restore marsh habitat in the open water and degraded marsh areas via marsh creation to restore the forested ridged habitat along Bayou Decade. TE-0166 will slow the movement of saline water north from Lake Merchant through Bay Raccourci into Bayou Decade, with the specific objectives of creating 241 acres of emergent marsh, nourishing 49 acres of emergent marsh, and planting the Bay Raccourci shoreline with appropriate intermediate marsh species.

For this project, the Fenstermaker team conducted a bottom-type assessment on approximately 107.69 acres of privately owned oyster leases in Bay Raccourci. The Fenstermaker team conducted 72 quantitative dive sampling and 3 qualitative dredge samples across 9 different oyster leases. In total, we estimated that CPRA's project would impact approximately 165 sacks of marketable oyster resources.



*ArcGIS ESRI Dashboard developed for the project.*

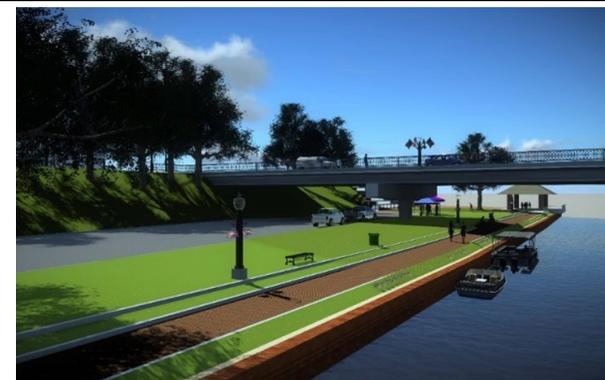
**Key Personnel:** Elliot Boudreaux

**Challenge:** The Coastal Protection and Restoration Authority (CPRA) needed a complete map of the project area to plan out their geotechnical borings so that they would not impact oyster resources.

**Solution:** In addition to a pdf deliverable, Fenstermaker published all data to an ESRI Dashboard which allowed the CPRA to zoom in/out, turn off certain layers, and have greater functionality than a single page. This enabled the CPRA to make more informed decisions since all data was available in a digital format.

Firm name	C. H. Fenstermaker & Associates L.L.C		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Cane River Bridge Church Street (LA1-x)		Firm responsibility (prime or sub?)	Prime
Project number	Not applicable	Owner's name	Louisiana Department of Transportation and Development	
Project location	Natchitoches Parish, LA		Owner's Project Manager	Jacob Fusilier, P.E.
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802   (225) 342-1185   jacob.fusilier@la.gov			
Services commenced by this firm (mm/yy)	05/17	Total consultant contract cost (\$1,000's)	\$19.53	
Services completed by this firm (mm/yy)	04/20	Cost of consultant services provided by this firm (\$1,000's)	\$19.53	

Fenstermaker served as the prime consultant responsible for the planning, public outreach, engineering, and environmental services necessary to gauge public support and document information for LADOTD and FHWA to reach an environmental decision for the proposed replacement of the Cane River Bridge. The project included conducting appropriate technical and environmental studies and the preparation of the final Environmental Assessment (EA), culminating in a Finding of No Significant Impacts (FONSI). Also included were the analysis, evaluation, and documentation of the proposed project alternative alignments and their effects in accordance with the provisions of NEPA, FHWA, and LADOTD, and applicable laws, rules, guidance, and regulations. In addition, Fenstermaker provided overall project management, environmental assessment documents, public and agency outreach coordination, preparation of the project's line and grade study, and coordination of all project meetings.



*Rue Beauport Riverfront design rendering*

Fenstermaker collected data to develop the project's wetland delineation and threatened and endangered species report. The delineation followed the 1987 *U.S. Army Corps of Engineers (USACE) Wetlands Delineation Manual* and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region*. No wetlands were identified within the project's right-of-way for the four alternatives submitted to the client. However, all alternatives crossed the Cane River, which is listed as a navigable waterway by the USACE Vicksburg district. Fenstermaker recommended that the client obtain a Department of the Army permit prior to any construction activities within the banks of the river.

Natchitoches Parish provides habitat to three threatened and endangered species, the Red-Cockaded Woodpecker, the Northern Long-Eared Bat, and the Interior Least Tern. Since the project area included a bridge and the Northern Long-Eared Bat can roost under bridges, Fenstermaker conducted a site visit to determine the presence of the species. The Northern Long-Eared Bat was not detected under or near the bridge or within the project corridor. After consulting with the USFWS, Fenstermaker concluded that the proposed project would have no impacts to the Red-Cockaded Woodpecker or the Interior Least Tern.

**Key Personnel:** Chris Guidry | Coy LeBlanc | Kyle Mickal

**Challenge:** The Rue Beauport Riverfront recreational facility met the criteria for a Section 4(f) property.

**Solution:** Fenstermaker held multiple meetings with La DOTD and FHWA to coordinate the process for programmatic evaluations. It was decided that features could be incorporated to meet a "net benefit" determination. Fenstermaker prepared the determination documentation for the "net benefit" and received the first "net benefit determination" for any LADOTD project subject to FHWA Environmental Review.

Firm name	Coastal Environments, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Stage 1 EA Hooper Rd Extension and Widening: Biological Assessment		Firm responsibility (prime or sub?)	Sub: N-Y Assoc.
Project number	H.005403.2	Owner's name	Louisiana Department of Transportation & Development	
Project location	East Baton Rouge & Livingston Parishes, LA		Owner's Project Manager	Nicholas Olivier
Owner's address, phone, email	1201 Capitol Access Rd., Baton Rouge, LA 70802; (225) 379-1733; Nicholas.Olivier@la.gov			
Services commenced by this firm	05/12	Total consultant contract cost (\$1,000's)		Unknown
Services completed by this firm	06/15	Cost of consultant services provided by this firm (\$1,000's)		\$136.66

## Project Description

The LDOTD proposed to widen and extend Hooper Rd (LA 408) from its existing terminus at LA 37/64 to LA 16 and construct a new bridge over the Amite River. Under subcontract to N-Y & Associates, Inc., CEI scientists conducted research to document environmental and natural settings and potential effects of three alternates on wetlands, threatened and endangered (T&E) species, cultural resources; and hazardous materials and prepared associated NEPA documents.

An initial Biological Survey indicated the project area contained no suitable habitat for the federally listed Red-cockaded Woodpecker, but the Amite River was a possible habitat for the federally listed Alabama (Inflated) Heelsplitter Mussel and two state-listed species - Southern Rainbow and Southern Pocketbook Mussels. A Biological Assessment was prepared to quantify potential impacts to the Alabama (Inflated) Heelsplitter Mussel.



Figure 1: Southern Pocketbook Mussel

CEI biologists consulted with USFWS, LDWF and LDOTD and conducted aquatic surveys in the vicinity of two



alternative bridge crossings of the Amite River for the Alabama (Inflated) Heelsplitter Mussel. CEI's biologists followed USDWF field survey methodologies to design survey transects and conduct an underwater survey via SCUBA diving. A Biological Assessment Report described coordination with USFWS and LDWF, field survey methods, site conditions, findings, conclusions, and recommendations for mitigation, along with maps showing locations of the two potential crossings, survey transects, and photographs of observed mussels. No Alabama (Inflated) Heelsplitter Mussels were located but a Southern Pocketbook Mussel was observed.

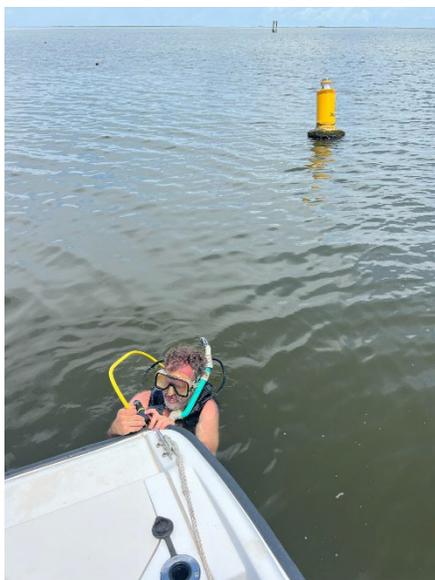
**Deliverables:** Wetland Findings report, Biological Assessment report for Alabama (Inflated) Heelsplitter Mussel; ESA 1 report; Cultural Resources Report, Section 106 Adverse Effect Documentation; sections of EA on wetlands, T&E species, cultural resources, and hazardous materials.

**Firm Members Involved:** Walker Wilson (Biologist-Biological Assessment/Diver); Karen Wicker (Supervisor-Other); David Kelley (Principal Investigator/Archaeologist); Sara Hahn (Architectural Historian)

Firm name	Coastal Environments, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Lake Machias Bay Brood Reef Monitoring		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Louisiana Department of Wildlife and Fisheries (LDWF)	
Project location	St. Bernard Parish, LA		Owner's Project Manager	Denise Kinsey
Owner's address, phone, email	LDWF, 2000 Quail Dr, Baton Rouge, LA 70808; 225-765-9175; dkinsey@wlf.la.gov			
Services commenced by this firm	08/22	Total consultant contract cost (\$1,000's)		\$16.5
Services completed by this firm	Ongoing (02/24)	Cost of consultant services provided by this firm (\$1,000's)		\$16.5

## Project Description

The LA Dept. of Wildlife and Fisheries (LDWF) contracted with Coastal Environments, Inc. (CEI) to conduct oyster monitoring surveys of the Lake Machias Brood Reef at 1-month, 6-month and 18-month intervals. LDWF had deployed cultch material containing hatchery-produced seed (spat on shell) in the lake. The LDWF's goal is to use the data to determine if the hatchery-produced larvae were settling, surviving, and growing to a size and density suitable for harvesting.



CEI has collected shell samples and examined them for spat mortality and size and prepared reports for each 1-month (mo.) and 6-mo. monitoring interval and submitted reports of findings to the LDWF. An 18-mo. report will be submitted upon completion of that survey. The reports contain numerous charts requested by LDWF to provide a visual representation of shell mortality and size differences. Water depth, salinity, water temperature, conductivity, dissolved oxygen, and water clarity data were recorded at time of surveys. CEI's oyster biologist SCUBA dived to collect three (3) replicate 1/3-sq m (0.33m<sup>2</sup>) quadrat samples using a quadrat frame weighted with a 20-lb weight and tethered to the dive boat. The diver descended via the tether and collected all shell and cultch material within the frame to be brought to the boat and secured and labeled. The oyster biologist replicated this process two more times. Three sets of quadrant samples were lightly rinsed and examined for commensal organisms and post-dive observations were recorded on data forms. Samples were processed the next day at CEI's lab in Baton Rouge to determine the total number of live oysters and dead oysters with articulated shells, as well as the proportion of dead boxes. Shell size was measured from the umbro to the ventral shell margin. The total shell length of all live and dead spat and seed oysters were measured to the nearest millimeter.



**Firm Members Involved:** Mark Gagliano (Certified Oyster Biologist); Paul Moses (Biologist)

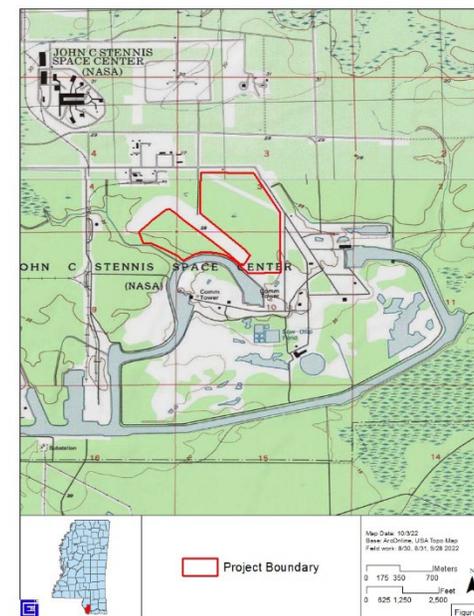
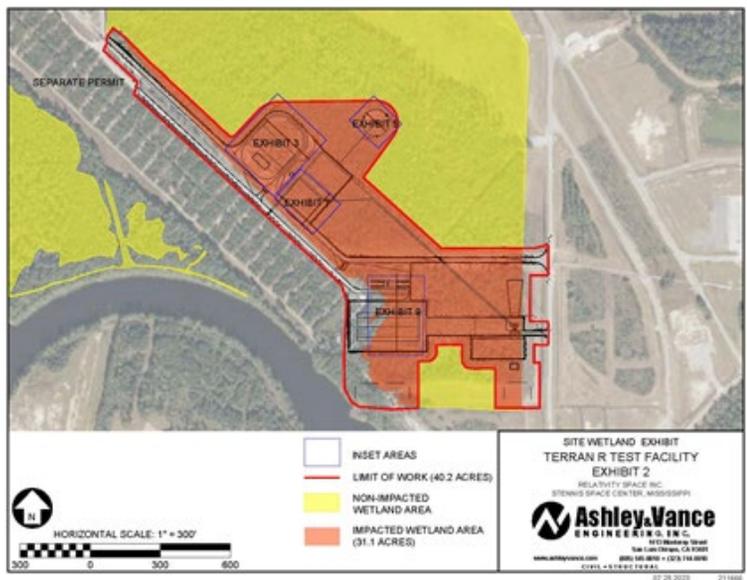
Firm name	Coastal Environments, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Stennis Space Center Terra 1 Rocket Testing Facility Joint CUP		Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Relativity Space	
Project location	Hancock County, MS		Owner's Project Manager	Jace Owens, P.E.
Owner's address, phone, email	Building 4080, Stennis Space Center, MS 39529; 504-258-1176; jowens@relativityspace.com			
Services commenced by this firm	08/22	Total consultant contract cost (\$1,000's)		\$23.6
Services completed by this firm	Ongoing (est. 10/23)	Cost of consultant services provided by this firm (\$1,000's)		\$23.6

## Project Description

The +/- 186-ac site located at the Stennis Space Center was leased by Relativity Space for a proposed future support area for the Terra 1 Rocket Testing facility. A wetland determination was completed, and a jurisdictional determination (JD) was received from the U.S. Army Corps of Engineers, Vicksburg District (USACE). The southeastern portion of the property was needed for a support area for the future Terran 1 Rocket Testing facility that is currently under construction. A +/- 40-ac site containing the smallest area of wetlands was selected for construction of the support area (warehouse, fuel tanks, gravel storage areas, and support equipment. A joint coastal use permit (CUP) was prepared and sent to the USACE and Mississippi Department of Marine Resources

(MDMR) for the 30.1-ac of jurisdictional wetland impacts. CEI is working with Relativity Space to obtain all final authorizations from state and federal agencies for the proposed action.

A CEI biologist previously delineated the wetlands using a Trimble sub-meter accurate GPS unit and CEI's GIS division created the wetland map approved by the USACE. Wetland shapefiles were sent to Ashley & Vance Engineering, Inc. to prepare the permit plats. The permit application was submitted by CEI to the appropriate agencies and CEI is currently responding in a timely manner to agency requests for additional information to facilitate issuance of all required permits (Section 10 / 404, MDMR CUP and MS Dept. of Environmental Quality Section 401).

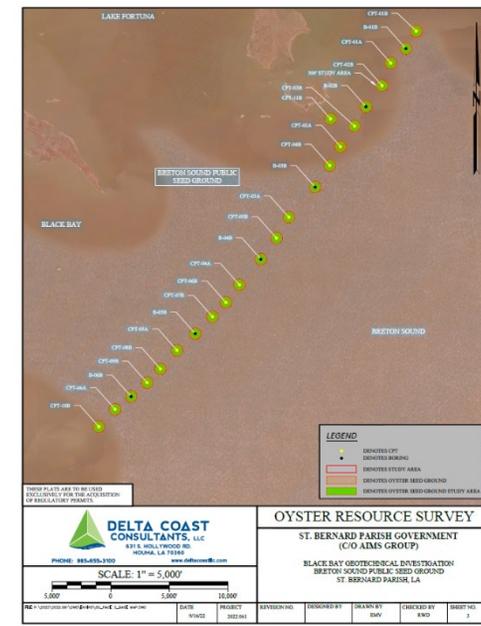


**Firm Members Involved:** Hunter Guidry (Environmental Professional/Biologist/Permitting) and Kaitlin O-Shee (Senior GIS Specialist)

Firm name	Delta Coast Consultants, LLC		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Black Bay Ridge Project		Firm responsibility (prime or sub?)	Sub
Project number	Not Applicable	Owner's name	St. Bernard Parish Government-Coastal Division	
Project location	St. Bernard Parish-Coastal	Owner's Project Manager	Lee Patterson	
Owner's address, phone, email	4421 Zennith Street, Metairie, LA 70001   (504) 887-7045   elp@aimsgroupinc.com			
Services commenced by this firm (mm/yy)	08/22	Total consultant contract cost (\$1,000's)	\$18.5	
Services completed by this firm (mm/yy)	09/22	Cost of consultant services provided by this firm (\$1,000's)	\$18.5	

St. Bernard Parish Coastal Division proposed a geotechnical survey in Black Bay as part of a preliminary investigation for the Black Bay Ridge Project. The purpose of the Black Bay Ridge Project was to construct approximately 72,000 linear feet of ridge in Black Bay and Eloi Bay, create new wetland habitat, restore degraded marsh, and reduce wave erosion. The geotechnical survey consisted of 17 CPT soundings and 6 soil borings to a maximum depth of 65 feet. The soil borings and CPT soundings were located on open water in Black Bay within the Breton Sound Public Seed Ground.

Delta Coast Consultants conducted a Biological Oyster Assessment for the St Bernard Parish Government-Coastal Division in preparation for geotechnical studies and coastal restoration activities for the Black Bay Ridge Project. The first phase of the project involved collection of water bottom-type data to identify and delineate areas capable of supporting oyster resource. Following collection of the bottom-type data, certified scientific SCUBA divers were deployed to conduct an underwater biological survey and oyster sample analysis. Data from both phases of the project was used to produce deliverables which included an Oyster Survey document as well as qualitative and quantitative analysis of the survey area.



**Key Personnel:** Kenneth King, Ronnie Duke

**Key Services:** Underwater Biological Survey, Oyster Analysis, SCUBA, Oyster Survey

Firm name	Delta Coast Consultants, LLC		Past Performance Evaluation Discipline(s)*	Environmental
Project name	PO-0190 Isle Au Pitre Restoration Project		Firm responsibility (prime or sub?)	Prime
Project number	PO-0190	Owner's name	Coastal Protection and Restoration Authority	
Project location	St. Bernard Parish-Coastal	Owner's Project Manager	Charles Sawyer	
Owner's address, phone, email	150 Terrace Avenue, Baton Rouge, LA 70802   (225) 342-7329   charles.sawyer@la.gov			
Services commenced by this firm (mm/yy)	10/21	Total consultant contract cost (\$1,000's)	\$35	
Services completed by this firm (mm/yy)	06/22	Cost of consultant services provided by this firm (\$1,000's)	\$35	

The goal of the PO-0190 Isle Au Pitre Restoration Project was to restore protected bird habitat by expanding the footprint and raising the elevation on portions of the island. The restoration will be accomplished using dredged sediment from a nearby borrow area and planting suitable vegetation for nesting Brown Pelican and wading birds, long strips of deposited shell for American oystercatchers, and shell or small limestone on the perimeter of the island for tern and black skimmer nesting habitat.

Delta Coast Consultants conducted a Biological Oyster Assessment for the Coastal Protection and Restoration Authority (CPRA) in preparation of coastal restoration activities for the Isle Au Pitre Restoration Project. The first phase of the project involved collection of water bottom-type data to identify and delineate areas capable of supporting oyster resource. Following collection of the bottom-type data, certified scientific SCUBA divers were deployed to conduct an underwater biological survey and oyster sample analysis. Data from both phases of the project was used to produce deliverables which included an Oyster Survey document as well as qualitative and quantitative analysis of the survey area.



**Key Personnel:** Kenneth King, Ronnie Duke

**Key Services:** Underwater Biological Survey, Oyster Analysis, SCUBA, Oyster Survey

Firm name	Delta Coast Consultants, LLC		Past Performance Evaluation Discipline(s)*	Environmental
Project name	TE-0165 Terrebonne HNC Island Restoration		Firm responsibility (prime or sub?)	Prime
Project number	TE-0165	Owner's name	Coastal Protection and Restoration Authority	
Project location	Terrebonne Parish-Coastal		Owner's Project Manager	Charles Sawyer
Owner's address, phone, email	150 Terrace Avenue, Baton Rouge, LA 70802   (225) 342-7329   charles.sawyer@la.gov			
Services commenced by this firm (mm/yy)	10/21	Total consultant contract cost (\$1,000's)	\$8	
Services completed by this firm (mm/yy)	02/22	Cost of consultant services provided by this firm (\$1,000's)	\$8	

The goal of the TE-0165 Terrebonne HNC Island Restoration Project was to utilize dredged sediment to an island along the HNC to approximately 50 acres. An existing rock ring was enhanced and enlarged to a 50-acre area to serve as containment for dredged sediment and shoreline protection for the island. The resorted island footprint and increased elevation was designed to increase the abundance and quality of nesting habitat for a number of colonial nesting waterbirds including Brown Pelicans, wading birds, terns, and Laughing Gulls.

Delta Coast Consultants conducted a Biological Oyster Assessment for the Coastal Protection and Restoration Authority (CPRA) in preparation of coastal restoration activities for the Terrebonne HNC Restoration Project. The first phase of the project involved collection of water bottom-type data to identify and delineate areas capable of supporting oyster resource. Following collection of the bottom-type data, certified scientific SCUBA divers were deployed to conduct an underwater biological survey and oyster sample analysis. Data from both phases of the project was used to produce deliverables which included an Oyster Survey document as well as qualitative and quantitative analysis of the survey area.



**Key Personnel:** Kenneth King, Ronnie Duke

**Key Services:** Underwater Biological Survey, Oyster Analysis, SCUBA, Oyster Survey

Firm name	Gaea Consultants, LLC		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Orpheum Levee Slope Pave		Firm responsibility (prime or sub?)	Sub
Project number	21-003	Owner's name	Southeast Louisiana Flood Protection Authority - East	
Project location	New Orleans, LA		Owner's Project Manager	Donald Jerolleman, Jr
Owner's address, phone, email	6920 Franklin Avenue, New Orleans, LA 70122; 504.286.3118; djerolleman@floodauthority.org			
Services commenced by this firm (mm/yy)	09/21	Total consultant contract cost (\$1,000's)		unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		52.6



The Southeast Louisiana Flood Protection Authority East recognized the need for additional levee protection along Orpheum Avenue to eliminate ongoing damage from large vehicles exceeding paved turning radii. Gaea Consultants is providing conceptual and final design drawings, permitting assistance, and drainage impacts analyses. Gaea performed drainage analysis along the length of the project area to understand how the new impervious surfaces would alter drainage conditions and adjusted the pavement design to address additionally created stormwater runoff. Gaea has initiated the USACE 408 permit application process, coordinating with USACE

and the Levee Authority. We will apply through the Joint Permit Application for CUP and Section 10 permits, and process the application for a levee permit once final design has been accepted by the Levee Authority.

**Key Members:** Tonja Marking, Peyton McGaha, Lauren Peytavin, Austen Dooley

**Scopes of Work Relevant to the contract:**

- COASTAL USE PERMIT
- SECTION 10/404 PERMIT
- LEVEE PERMIT
- SECTION 408 PERMIT

Firm name	Gaea Consultants, LLC		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Environmental Services and Categorical Exclusion, Almonaster Avenue Bridge Rehabilitation & New Connector Road		Firm responsibility (prime or sub?)	Sub
Project number	20-003	Owner's name	Port of New Orleans	
Project location	New Orleans, LA		Owner's Project Manager	Michael Sulser
Owner's address, phone, email	1350 Port of New Orleans Place; New Orleans, LA 70130; 504.528.2551; michael.sulser@portnola.com			
Services commenced by this firm (mm/yy)	12/20	Total consultant contract cost (\$1,000's)		unknown
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		72.3



The Almonaster Avenue Bridge is a historic rail and vehicular bridge over the Inner Harbor Navigation Canal. Rehabilitation of the bridge requires a Categorical Exclusion and permitting services. Gaea is performing all environmental services required under NEPA for a Categorical Exclusion and obtaining permits from the Louisiana Department of Natural Resources and Department of Environmental Quality, US Army Corps of Engineers, US Coast Guard, and Southeast Louisiana Flood Protection Authority-East.

**Key Members:** Tonja Marking, Peyton McGaha, Lauren Peytavin

**Scopes of Work Relevant to the contract:**

- COASTAL USE PERMIT
- SECTION 10/404 PERMIT
- LEVEE PERMIT
- BRIDGE PERMIT
- NEPA/CATEGORICAL EXCLUSION

Firm name	Gaea Consultants, LLC		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Hermitage Bayou Bridge Replacement Environmental Assessment		Firm responsibility (prime or sub?)	Sub
Project number	12-003	Owner's name	Plaquemines Parish	
Project location	Plaquemines Parish, LA		Owner's Project Manager	Michael Sepcich (AIMS Group)
Owner's address, phone, email	4421 Zenith Street; Metairie, LA 70001; 504.887.7045; mss@aimsgroupinc.com			
Services commenced by this firm (mm/yy)	06/12	Total consultant contract cost (\$1,000's)		80
Services completed by this firm (mm/yy)	12/12	Cost of consultant services provided by this firm (\$1,000's)		20



affect known historic properties.

**Key Members:** Tonja Marking

Gaea Consultants addressed NEPA documentation requirements of the US Coast Guard to obtain a permit for the replacement of the Hermitage Bayou Bridge in Plaquemines Parish. We coordinated with USACE and LDNR to ensure necessary water quality certifications and permits were in place prior to construction. We analyzed possible encroachment impacts to floodplains and investigated the potential for wetland and threatened and endangered species disturbances. We investigated replacement of the bridge for compliance with the Clean Air Act, Noise Control Act, and other federal regulations. We consulted with the Louisiana Office of Cultural Development to assure that the project would not

**Scopes of Work Relevant to the contract:**

- US COAST GUARD PERMIT
- WATER QUALITY PERMIT
- JURISDICTIONAL WETLAND DETERMINATION
- THREATENED AND ENDANGERED SPECIES SURVEY

# SECTION 18



**18. Approach and Methodology:**

**Fenstermaker** has provided services to LADOTD for over 20 years and was previously retained by LADOTD for Environmental Services and Permitting IDIQ Contacts in 2007, 2008, 2013 and 2019. Furthermore, Fenstermaker is working as a subconsultant under Lazenby & Associates, Inc. to perform environmental services under Contract No. 4400021887, which was awarded in 2021. In addition to our LADOTD environmental experience, the Fenstermaker Team has good rapport with all federal and state environmental permitting agencies; a highly qualified staff with expertise in handling challenging and specialized T&E surveys; extensive GIS capabilities; and unique staff and computer resources to improve the efficiency and quality of deliverables. Fenstermaker also has an experienced contract manager who understands the importance in being responsive in preparing scopes and negotiating manhours for Work Authorizations. All services will be performed in strict accordance with regulatory agency and LADOTD standards to produce quality deliverables throughout the project process. With offices in Lafayette, Baton Rouge, New Orleans, Mandeville, Lake Charles, and Shreveport, Fenstermaker’s staff can provide onsite services for LADOTD Task Orders located in all districts throughout the state. Our teaming partners, Coastal Environments, Inc., Delta Coast Consultants, LLC, and Gaea Consultants, LLC, will provide additional technical assistance where needed.

**Approach and Methodology for Permits, Wetland Delineations/Findings, and Biological Assessments and Surveys**

**Permits** To begin the permit process, the Fenstermaker Team will complete a desktop review of the project’s location, design, and footprint to determine what permits are required. The Team will then coordinate and lead pre-application meetings with the corresponding regulatory agencies to discuss the project, determine permit approval qualifications (i.e., nationwide, general, individual, Letter of No Objection), and solicit comments for the permit scope of work. The Team will file applications and send correspondence and supplemental data as needed to the agencies until the permits are issued.

Example Task Order Schedule									
Year 1	Month 1	Month 2	Month 3	Month 4	Month 5	Month 6	Month 7	Month 8	Month 9
<b>Tasks</b>									
Task Order Kick Off	█								
Agency Pre-Application Meetings	█	█							
Field Visits & Data Collection		█	█						
Field Visits & Data Collection			█	█					
<b>Permits</b>									
<b>Tasks</b>									
Permit Plans Preparation			█	█					
Permit Application Package Preparation			█	█					
LADOTD Review of Draft Application Packages				█	█				
Application Package Submittal to Agencies				█	█				
Agency Permit Application Review and Processing						█	█	█	█
Permit Issuance, Permit Conditions Review, Permit Distribution to LADOTD							█	█	█



**Coastal Use Permits** For projects located within the Coastal Zone of Louisiana, the Team will complete permit plans and a Joint Permit Application (JPA) and will submit them to the Office of Coastal Management (OCM) of the Louisiana Department of Natural Resources through its online permit system. The application submittal and enclosed environmental documentation will denote if the project has significant impact on the environment. The Team will provide the date that Environmental Impact Statements were filed with the Environmental Protection Agency (EPA) and LDEQ to the OCM. The Team will also document if the project will affect or use any wildlife refuges, recreation areas, public parks, or historic sites. Prior to filing the JPA, the Team will coordinate with the Wildlife Management Area (WMA) if the proposed project is located on a WMA and will inform OCM that the proposed activity is consistent with the Coastal Management Division. The Team will submit a copy of the application letter through the OCM online permit system. The letter will request that the EPA, Marine and Wetlands Section; U.S. Fish and Wildlife Service; National Marine Fisheries; Louisiana Wildlife and Fisheries; comment directly to the OCM. Furthermore, the application letter will request that the appropriate Levee District Board of Commissioners and/or Floodplain Administrator review the project and provide written comments and/or a permit in accordance with established procedures.

If the project is in the New Orleans District, the OCM will send a copy of the permit application letter to the US Army Corps of Engineers (USACE) New Orleans District. For projects in other USACE districts, the Team will send a copy of the permit application letter will be provided to the Vicksburg or Galveston Districts. If wetlands mitigation is required, the Team will contact mitigation banks for credit pricing and contract execution. The mitigation will need to satisfy both the OCM and USACE mitigation requirements. If an approved mitigation bank is not available, the Team will identify, recommend, and develop alternate mitigation options for LADOTD approval.



**US Army Corps of Engineers (USACE) Permits** For projects located outside of the Coastal Zone of Louisiana where jurisdictional Wetlands/Non-Wetland Waters [Waters of the United States (US)] have been identified, the Team will submit a permit application (i.e., ENG FORM 4345 or Nationwide Pre-construction Form) to the USACE District with jurisdiction over the project area. If the project meets the Nationwide permit qualifications (Nationwide Permit-14), no Nationwide permit application is required. The team will submit appropriate environmental documentation, such as a Final Environmental Impact Statement (FEIS) and Record of Decision (ROD); Environmental Assessment (EA) and Finding of No significant Impact (FONSI); Categorical Exclusion (CE); Environmental Exclusion; Environmental Findings; or Environmental Record with the application letter. Permit plans will include a vicinity map, plan view map, and cross sections. The plans will include a Waters of the US layer over the plan view map to show the extent of the jurisdictional areas. The team will complete wetlands mitigation according to USACE requirements. The Team will acquire a Water Quality Certification (WQC) from the Louisiana Department of Environmental Quality (LDEQ) for USACE permits that are processed as a standard individual permit. For the WQC approval, the team will request a pre-filing meeting from the LDEQ according to guidelines. If the pre-filing meeting is not required, the Team will submit a copy of the USACE application form and permit plans to the LDEQ in request of the WQC. The project will be published in The Advocate of Baton Rouge and the official parish journal where the project is located as required by the WQC guidelines. Correspondence and supplemental information will be provided to the LDEQ until the WQC is issued.



**U.S. Coast Guard (USCG) Bridge Permits** A USCG bridge permit application is required for any proposed project that will construct or modify a bridge or causeway across a navigable waterway of the United States. This permit includes all temporary bridges used for construction access or traffic detours over any navigable waterway. The Team will coordinate and lead a pre-application meeting with the USCG before filing a Bridge Application. Following the meeting, the Team will transmit a letter that will include relevant project data such as an Environmental Assessment, Engineering Report, Navigation Study, populated ENG 4345, and permit plans. The Team will submit the letter and the Bridge Application to the local Coast Guard District Bridge Office (CGBO). The transmittal letter will request that the appropriate Levee District, Board of Commissioners, and Office of Public Works comment directly to the Bridge Administration Branch of the USCG. The permit application transmittal letter will be addressed to all agencies (CGBO, USACE, OCM, LDEQ) requiring permits. Permission will be requested from the CGBO prior to conducting any boring operations in navigable waterways. The boring operations request will include a transmittal letter that will include relevant data such as the number of borings; location, description, and depth of each boring; proposed work schedule; size and type of equipment; mooring location of barge and tug; and a copy of the bridge general plan. A letter from the LDEQ will be provided to the CGBO that includes an air quality consistency statement for the project. A final bridge permit will be provided for the project upon final CGBO approval.



**Scenic River Permit** If the project crosses a Scenic River, the Team will prepare and submit a Scenic River Permit Application (Form#LSR3 December 2015) and a brief Environmental Assessment to the Louisiana Department of Wildlife & Fisheries (LDWF). The brief EA will be prepared according to LDWF standards. Permit plans will be included in the submittal. The project description will be published in the official state journal and the official parish journal where the project is located. A copy of the permit will be provided to the LADOTD Environmental Section.

**Levee and Local Parish Government Permits** A levee permit application will be prepared and submitted to the local levee district in request of a Letter of No Objection. The application submittal will include a copy of the permit plans. A copy of the application will be submitted to the 408 Operations Division of the

USACE. The local parish government will be contacted to determine if any project coordination or permit approvals are needed. All coordination efforts with the Levee boards will be provided to the LADOTD Environmental Section.

**Wetland Delineations/Findings** The Team will conduct wetland delineations in compliance with the 1987 USACE Wetlands Delineation Manual and the *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0, November 2010)*. The purpose of the wetland delineation is to determine the presence/absence of Waters of the US using three technical criteria: vegetation, hydrology, and soils. The Team will identify and contact landowners who will be affected by the project before performing the wetland delineation and biological surveys. During the wetland field delineation, the Team will record vegetation, hydrology, and soil data on the wetland determination data forms (Atlantic and Gulf Coastal Plain Region), take ground photographs, and map Waters of the US boundaries using a GPS (Trimble R1 Integrated GNSS system) unit with sub-meter accuracy. Soil samples collected at each data point will be characterized using a Munsell soil chart. The Team will then prepare wetland delineation findings report that includes a description of the existing Waters of the US, vegetation communities, hydrology, and soils based on the collected field data. The report will also include maps illustrating a Waters of the US layer, data tables, data forms, and ground photographs. If Waters of the US are found on the project site, the Team will request a preliminary Jurisdictional Determination (JD) from the USACE. The JD request will include a copy of the wetland delineation findings report.



**Biological Assessments and Surveys** The Team will perform biological oyster assessments and surveys in four phases:

1. Initial survey preparation
2. A field survey to determine and classify water bottom types - The Team will perform water bottom classification using the conventional poling technique or through remote sensing equipment.
3. Biological sampling - Certified scientific SCUBA divers will then conduct biological sampling using collect data for the quantitative analysis of the survey area.
4. Reporting - Following the field survey and data collection, the Team will prepare deliverables following the Louisiana Department of Wildlife and Fisheries protocols.

The Team will use the U.S. Fish and Wildlife Service's (USFWS) Information, Planning, and Conservation (IPaC) system to assess potential impacts to Threatened & Endangered (T&E) Species and provide determinations regarding federal trust resources within the project area. The IPaC provides information regarding the occurrence of listed species, migratory birds, wading birds, and eagles in a project area. The Team will also review current and historical aerial imagery of the project site and surrounding areas to determine habitat suitability in the project area's vicinity. Additionally, the Team will conduct a field visit, in conjunction with the wetland field delineation, to assess potential impacts to federal trust resources. Wading bird surveys will also be conducting during the wetland field delineation and will follow the Louisiana Department of Wildlife and Fisheries (LDWF) guidelines. After completing IPaC research and the field visit, the Team will prepare a report of findings that will include the IPaC species list, maps, photographs, and a determination of effects. Additional consultation with the USFWS may be warranted if the project determination results in a "may effect" or greater of a federal trust resource. The Team will consult with the USFWS and LDWF will be consulted before performing all aquatic surveys. Survey transects will be performed according the USFWS and LDWF guidelines and methodologies. The underwater survey will be performed via SCUBA diving. A Biological Assessment Report will be prepared that describes agency coordination, field survey methods, site conditions, findings, conclusions, and recommendations for mitigation, along with maps showing locations of the potential crossings, survey transects, and photographs of the observed species and investigated area.

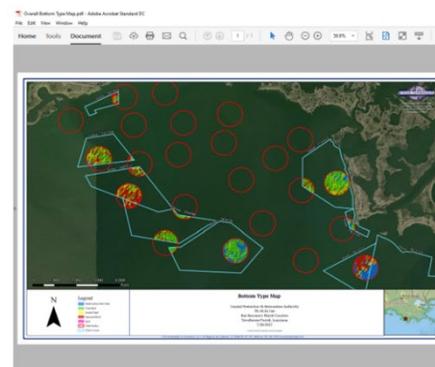


**Coordination – Field Work and Reports – Electronic Deliverables – Documentation Support – GIS Services** Project coordination efforts will include the completion of all required permit application forms, wetland delineations/findings, biological assessments, and/or surveys, required attachments, and sketches. The Team will notify the LADOTD Environmental Section when fieldwork begins and ends and will submit weekly progress updates. If Threatened or Endangered Species and/or their critical habitat are identified in the project area, the Team will immediately notify the LADOTD Environmental Section. All permit application packages will be submitted to LADOTD to review and approve prior to submitting to the regulatory agencies. A copy of all submitted permit application packages will be submitted to the LADOTD Environmental Section for their files. The Team will complete all Fieldwork and reports within the timeframe specified in each task order. After LADOTD has reviewed draft reports, the Team will address all comments and submit reports in Word and PDF formats. The reports will include field notes, data sheets, and any other supporting material. The Team will produce electronic deliverables and reports in PDF format and will include data files used to produce maps, figures, or drawings. A copy of all electronic deliverables will be provided to the LADOTD Environmental Project Manager. All reports intended for public review will be ADA compliant. All GPS documentation will be of sub-meter accuracy. All GIS and CAD data provided will follow current LADOTD standards.

**Specialized and Innovative GIS Services** Where geospatial information shapes LADOTD's critical decision-making, Fenstermaker's approach stands at the forefront. Leveraging the synergies between multiple ESRI products, Fenstermaker can establish an interconnected GIS ecosystem that reimagines the efficiency and caliber of our deliverables. By seamlessly integrating ESRI's suite of tools, including ArcGIS Pro, ArcGIS Online, Survey123, Dashboards, and other tools, we unveil a new dimension of innovative GIS potential. Our strategy pivots on integrating collaboratively and facilitating seamless communication between our field teams and office personnel as they transition between desktop and cloud environments. This dynamic exchange ensures real-time data synchronization, analysis, and visualization; eradicates redundancy; and streamlines manual data transfers, amplifying both productivity and precision across all our projects.

What truly sets our methodology apart is our ingenious exploitation of the inherent interconnectedness of these ESRI products. We harness the robust web mapping capabilities of ArcGIS Online to forge dynamic, interactive visualizations that empower stakeholders to effortlessly comprehend intricate spatial insights. Our pioneering application of ArcGIS Insights reshapes raw data into actionable intelligence through intuitive dashboards, ushering in agile decision-making. Furthermore, the adoption of ESRI's Survey123 and Collector app elevates our field data collection, seamlessly channeling information into our central GIS hub for immediate integration. This comprehensive fusion of ESRI products constructs the bedrock of our exceptional GIS capabilities and allows us to offer timely, data-driven solutions that redefine industry benchmarks. Expanding on these techniques, we can implement an additional layer of Quality Assurance and Quality Control (QA-QC) through automated and Machine Learning techniques, ensuring meticulous data quality checks. Through these innovative methodologies, Fenstermaker will provide heightened efficiency and an elevated standard of deliverable quality for LADOTD projects.

## ARCGIS DASHBOARD



OR



CPRA's dashboard for Lake Raccourci Oyster Assessment



Scan the QR code with your phone or mobile device to view the ArcGIS dashboard created for the Lake Raccourci Oyster Assessment. The dashboard integrates the locations of oyster leases within the assessment area, the water bottom types, and the percentage of each bottom type in the area.

**SECTIONS 19 - 23**



**19. Workload:**

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**
 C. H. Fenstermaker & Associates, L.L.C.	Road	Contract No. 4400020291 State Project No. H.012869	LA 182 / Renaud Roundabout	\$246,852
	Bridge	Contract No. 4400025023 State Project No. H.015513	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Eleanor Road Over Coulee	\$200,000
		Contract No. 4400025023 State Project No. H.015335	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Puma Road Over Coulee	\$200,000
		Contract No. 4400025023 State Project No. H.015516	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Beiber Road Over Nezpique Bayou	\$200,000
		Contract No. 4400025023 State Project No. H.015512	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Mullins Road Over Tate Bayou	\$200,000
		Contract No. 4400025023 State Project No. H.015511	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 E. Martial Ave Over Coulee	\$142,250
		Contract No. 4400025023 State Project No. H.015515	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Andover Road Over Indian Bayou Lateral	\$200,000
		Contract No. 4400025023 State Project No. H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Sarah Dee PKWY. Over Coulee	\$200,000
		Contract No. 4400025023 State Project No. H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Solid Wastewater Road Over Bayou Boeuf	\$200,000
		Contract No. 4400025023 State Project No. H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Phillip Street Over Drainage Bayou	\$188,250
		Contract No. 4400025023 State Project No. H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03	\$200,000

 C. H. Fenstermaker & Associates, L.L.C.			Huval Street Over True Canal	
		Contract No. 4400025023 State Project No. H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Adam Guidry Road Over Coulee	\$200,000
		Contract No. 4400025023 State Project No. H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Minos Road Over Coulee	\$200,000
		Contract No. 4400025023 State Project No. H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Aristide Road Over Coulee	\$200,000
		Contract No. 4400025023 State Project No. H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Guegnon Street Over Youngs South Coulee	\$200,000
Coastal Environments, Inc.  	Environmental	4400012084 / H.002244	LA56: Boudreaux Canal MB Replacement	\$10,485
		4400012084 / H.003931	16CU128 Site Delineation & Vibracore Survey	\$25,794
		4400012084 / H005121	LA1/LA415 Connector CRS	\$10,426
		4400005787 / H.005720	Florida Avenue Expressway	\$38,275
		4400007175 / H.011328.2	I-49 South (Richoc to Berwick)	\$336,188
		4400007959 / H.008915.2	LA 3234 Ext From LA 1065-Hammond Airport	\$798
		4400012084 / H.00658.5	US 190 @ LA 415: Lobdell Interchange	\$100,773
Delta Coast Consultants, LLC  	Not applicable			
Gaea Consultants, LLC  	Environmental	Contract No. Unknown (sub) State Project No. H.014530	Almonaster Bridge Replacement	\$969

**20. Certifications/Licenses:**

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



## LOUISIANA UNIFIED CERTIFICATION PROGRAM

### Disadvantaged Business Enterprise Program (DBE)

### Small Business Element (SBE)

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations  
& under the State of Louisiana United Certification Program (LAUCP)

### GAEA Consultants, LLC

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

**NC518210, NC541330, NC541340, NC541360, NC541370, NC541611,  
NC541620, NC541720, NC712110, NC712120**

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

#### **Certificate Eligibility: March 2023 to March 2024**

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

*Rhonda Wallace*

**Rhonda Wallace, DBE/SBE Programs Manager**

*Louisiana Department of Transportation & Development*

**21. QA/QC Plan:**

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

**22. Sub-consultant information:**

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

<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>
Coastal Environments, Inc. 	1260 Main Street, Baton Rouge LA 70802	Karen M. Wicker, Ph.D., Sr. VP kwicker@coastalenv.com	(225) 892-3249 (Mob.)
Delta Coast Consultants LLC 	631 S. Hollywood Road Houma LA 70360	Barry Kennedy jasonk@deltacoastllc.com	(985) 655-3100
Gaea Consultants, L.L.C. 	536 Washington Avenue New Orleans, LA 70130	Tonja Koob Marking Tonja.k.marking@gaeaconsultants.com	(504) 962-5360

**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.**



C. H. Fenstermaker & Associates, L.L.C.