

# **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.

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

1. Contract Name as shown in the advertisement	CONTRACT NOS. 4400027474 AND 4400027480 IDIQ CONTRACTS FOR ENVIRONMENTAL PERMITTING AND BIOLOGICAL SERVICES STATEWIDE
2. Contract Number(s) as shown in the advertisement	CONTRACT NOS. 4400027474 AND 4400027480
3. State Project Number(s), if shown in the advertisement	
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	Michael Baker International, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	E.F. 0000062 VF. 0000010
6. Prime consultant mailing address	2600 CitiPlace Drive, Suite 450, Baton Rouge, Louisiana, 70808
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	2600 CitiPlace Drive, Suite 450, Baton Rouge, Louisiana, 70808
8. Name, title, phone number, and email address of prime consultant's contract point of contact	TJ Holliday, PWS – Environmental Planning Manager 228-334-3105   tjholliday@mbakerintl.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Daniel Thornhill, PE – Office Manager – Associate Vice President 225-218-2846   Daniel.thornhill@mbakerintl.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:

August 22, 2023

Date:

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.

<u>Firm(s):</u> Southern Shores Engineering, LLC <i>Michael Baker is committed to exceeding the DBE goal of 4% for this contract.</i>	<u>Firm(s)' %:</u> 6%
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12. Past Performance Evaluation Discipline Table

<i>Past Performance Evaluation Discipline(s)</i>	<i>% of Overall Contract</i>		
<i>Environmental</i>	95%	95%	5%
<i>Other (CAD/GIS)</i>	5%	75%	25%
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.			
Percent of Contract	100%	94%	6%

**13. Firm Size**

<i>Firm name</i>	<i>DOTD Job Classification</i>	<i>Number of personnel committed to this contract</i>	<i>Total number of personnel available in this DOTD Job Classification (if needed)</i>
Michael Baker International, Inc.	Administrative	1	1
Michael Baker International, Inc.	Biologist/Wetlands	3	3
Michael Baker International, Inc.	CADD Technician	1	5
Michael Baker International, Inc.	Engineer	0	2
Michael Baker International, Inc.	Engineer Intern	0	4
Michael Baker International, Inc.	Environmental Pro	1	3
Michael Baker International, Inc.	GIS Analyst	2	3
Michael Baker International, Inc.	Historian	0	2
Michael Baker International, Inc.	Principal	1	3
Southern Shores Engineering, LLC	CADD Drafter	1	1
Southern Shores Engineering, LLC	Engineer	1	1
Southern Shores Engineering, LLC	Engineer Intern	1	1



**DANIEL THORNHILL, PE**  
Principal-In-Charge



**TJ HOLLIDAY, PWS**  
Project Manager

**CHRIS GESING, PE**  
QA/QC - Technical Advisor

**PERMITS**

Whitney Thompson, PE<sup>1</sup>  
Elizabeth Brock  
Stephen Martin

**WETLAND DELINEATIONS/FINDINGS**

Elizabeth Brock  
Stephen Martin  
John Darnall, EI<sup>1</sup>

**BIOLOGICAL ASSESSMENTS & SURVEYS**

Mariben Anderson  
Elizabeth Brock  
Stephen Martin  
Cody Batchelder, PE

**CADD/MICROSTATION & GIS**

LuAnn May  
Stephen Martin  
Chris Paul, PE<sup>1</sup>  
Elizabeth Brock

15. Minimum Personnel Requirements

MPR No.	Personnel being used to meet the MPR	Firm employed by	Type of license	State of license	License/certification expiration date
1	Daniel Thornhill, PE		PE.0032367 - Civil	LA	09/2026
2	TJ Holliday, PWS		Professional Wetland Scientist No. 2447	Nationwide	12/2024
3	John Darnall, EI		EI.0033971 - Civil	LA	09/2023
4	Elizabeth Brock		N/A	N/A	N/A
5	Mariben Anderson		FAA Qualified Wildlife Hazard Biologist	N/A	08/2024
6	Cody Batchelder, PE		Certified PADI Open Water Diver PE.0046012	N/A NC	N/A 12/2023
7	Whitney Thompson, PE		PE.0034825 - Civil	LA	03/2024
7	Chris Gesing, PE		PE.0026996 - Civil	LA	03/2025
8	Stephen Martin		AutoCADD WNTRT-4S6D	MS	N/A
9	Chris Paul, PE		PE.0043282 - Civil	LA	09/2023
9	Lu Ann May		N/A	N/A	N/A

16. Staff Experience

Firm employed by		Michael Baker International, Inc.		
Name	Daniel Thornhill, PE	Years of relevant experience with this employer	3	
Title	Office Executive	Years of relevant experience with other employer(s)	23	
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering		
Active registration number / state / expiration date		PE.0032367 / LA / 09/30/2024		
Year registered	2006	Discipline	Civil	
Year registered	2012	Discipline	NHI 142005 - NEPA and Transportation Decision Making	
Contract role(s) / brief description of responsibilities		Fulfills the role of MPR 1. <b>Principal-in-Charge.</b> Mr. Thornhill will be responsible for coordination between all disciplines of the project team along with contract management. He will be point of contact for this contract and will coordinate directly with the DOTD project manager.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/19 - Ongoing	<p><b>New Orleans Rail Gateway (NORG), Jefferson Highway Rail Crossing Relocation EA, Jefferson Parish, LA. Senior Engineer.</b> Provided QA/QC review of the new overpass alignments. Michael Baker is providing operations, engineering and environmental studies and preparing an environmental assessment (EA) for improvements to two at-grade highway-rail crossings along Jefferson Highway (US 90) in Jefferson Parish, between the Ochsner Health Foundation Hospital and Monticello Avenue. For the project, Michael Baker is performing solicitation of views including Native American government-to-government coordination through FRA, environmental resources investigations, GIS mapping, freight rail operations forecasting and crossing occupancy time analyses, roadway traffic and crash analyses, rail and roadway/bridge conceptual design, cost estimates, alternatives analyses, stakeholder and agency coordination, and public outreach.</p>			
05/21 - Ongoing	<p><b>New Orleans Rail Gateway - Avondale Planning and Environmental Linkages (PEL) Study, Jefferson Parish, LA. Senior Engineer.</b> Providing QA/QC review of the alignments and corridor improvements. Project included corridor screening of several different alternatives to provide access over the railroad tracks vs. at-grade railroad crossings. Additional responsibilities included making sure the design team were meeting DOTD design guidelines while taking into account improvements the Parish would like incorporated into the corridor improvements. Michael Baker is providing operations, engineering, and environmental studies and preparing a PEL study to evaluate the consolidation, road-over-rail grade separation, or closure of four at-grade highway-rail crossings. Michael Baker is performing project management, secondary-source environmental resources inventory, GIS mapping, amongst many more responsibilities.</p>			
04/22 - Ongoing	<p><b>LA 30: EBR PL – I-10, East Baton Rouge, Iberville, and Ascension Parishes, LA. Project Manager/Principal.</b> Responsible for the oversight of the EA of the widening of LA 30 from a two-lane roadway to four-lane roadway. Part 1 of the EA's main focus is on traffic count/study/analysis and some early environmental field screening, initial geometric improvements at existing five intersections, SUE services, and development of existing hydraulic flows for existing six bridge/culvert structures. Additional responsibilities include oversight of existing alignments along with existing right-of-way (ROW) lines. The study area is roughly 21 miles of an existing corridor which has several major constraints such as existing railroad parallel to west side of roadway for the first 2/3 of the project limits, major pipelines that run parallel to both sides of the roadway, large industrial businesses along the last third of the project limits.</p>			

08/22 – 05/23	<p><b>Barksdale Air Force Base (AFB) Entrance Roads, Bossier Parish, LA. Project Manager.</b> Responsible for the development of construction plans for new entrance roads for Barksdale AFB. The project includes a new roundabout at the AFB gates along with new four-lane divided highway to tie into the new LA 1267 highway constructed by DOTD under the I-20/I-220 Design Build interchange improvements. Additional responsibilities include coordination with the DOTD I-20/I-220 Project Manager and Design Build Owner Verification Managers along with overseeing new roadway drainage that meets DOTD Hydraulic requirements. Construction should begin in Summer of 2023.</p>
03/13 – 04/14 08/14 - 01/16	<p><b>US 190 (Collins Blvd) Traffic Operations Study, Covington, LA. Project Manager/ Lead Design Engineer.</b> Mr. Thornhill served as Project Manager/Lead Design Engineer for Roadway Geometrics during the Stage 0 for US 190 (Collins Blvd) from US 190 Business to US 190 (Ronald Reagan Blvd). The project widened US 190 (Collins Blvd) from an existing two-lane roadway to a four-lane boulevard to include the complete streets initiative of sidewalks, bike paths, and/or combination of both. Traffic analysis showed that a series of roundabouts in conjunction with J-turns and dual bridge crossing over the Bogue Falya would provide the best traffic movement. Stage 0 included using As-Built drawings along with aerial photography to create Plan View Sketches that were included in a Stage 0 report along with project implementation cost. DOTD accepted the Stage 0 study. During coordination with stakeholders, it was discovered that New Orleans Regional Planning Commission was already under contract for a Stage 1 EA for the same project corridor. Mr. Thornhill and his previous employer were added to the Stage 1 team as a sub-consultant to perform the Line &amp; Grade study to obtain environmental clearance. Recommendations from the Stage 0 Traffic Operations study was carried forward.</p>
04/10 - 01/13	<p><b>EA (Stage 1) and Feasibility Study (Stage 0) - LA 182 from I-10 to West Pont des Mouton Road, Lafayette Parish, LA. Project Manager/ Lead Design Engineer.</b> Mr. Thornhill served as Project Manager/Lead Design Engineer for the development of Stage 0 plan sketches, project implementation cost, and public meeting exhibits. Mr. Thornhill also served as the Project Manager/Lead Design Engineer and Engineer of Record for the Stage 1 report. He was responsible for development of Line &amp; Grade, which included all the horizontal alignments and use of aerial photography from the Stage 0 report along with use of LiDAR to develop the vertical alignments to determine anticipated limits of constructions based on several alternate typical sections in order for a decision on the preferred alternative to carry forward into design of construction plans. Implementation costs were developed based on the different alternatives to include opinion of probable construction cost, utility relocations, acquisition of ROW, engineering (design and survey), and construction engineering and inspection (CE&amp;I). The project widened LA-182 from a two-lane roadway to a four-lane boulevard that included the complete streets initiative with a combination sidewalk/ bike path on one side of the roadway. The project required coordination with CLECO Electric as they were already in the design phase of a new transmission line running parallel to LA-182 from existing electrical transmission crossing of LA-182 to end of project limits. Stage 0 included roadway widening improvements with several roundabouts at strategic intersection along with J-turns to provide better traffic operations. Stage 0 sketches were created with use of as-built drawings and aerial photography. Based on recommended improvements, implementation cost were developed for opinion of probable construction cost, relocation of utilities, acquisition of ROW, engineering, and CE&amp;I. LA-182 is a state highway, therefore DOTD had to approve and accept the Stage 0. Once Stage 0 was accepted, LCG approved supplemental for Stage 1 EA Study.</p>

Firm employed by		Michael Baker International, Inc.		
Name	TJ Holliday, PWS	Years of relevant experience with this employer	14	
Title	Project Manager	Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization		BS / 1998 / Biology		
Active registration number / state / expiration date		2447, Nationwide, 2024		
Year registered	2014	Discipline	Professional Wetland Scientist	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 2. Project Manager.</b> Mr. Holliday is an environmental specialist with project experience involving various levels of environmental assessment and other issues related to the National Environmental Policy Act (NEPA). His responsibilities have included studies for wetlands, floodplains, water quality, coastal resources, threatened and endangered species, cultural resources, hazardous materials, noise and air quality, and community impacts. With over 20 years of field experience conducting wetland and stream assessments and habitat evaluations, his primary project duties have included data collection and analyses, mapping and aerial photo interpretation, document preparation, agency coordination, and regulatory permitting and compliance.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
02/20 - Ongoing	<p><b>NORG EIS, Jefferson and Orleans Parishes, LA. Environmental Professional Lead.</b> Conducted field studies and documented findings for wetlands and hazardous materials. Michael Baker is providing environmental and engineering services to develop an EIS for the NORG, the fourth-largest freight and passenger rail gateway in the U.S. Michael Baker's services include project management, review of previous studies, environmental resources investigations, GIS development, mapping, rail and roadway travel demand modeling, alternatives analyses, rail and roadway conceptual design, cost estimates, document preparation, stakeholder and agency coordination, and extensive public outreach.</p>			
08/22 - 05/23	<p><b>Barksdale AFB Entrance Roads, Bossier Parish, LA. Environmental Professional Lead.</b> Responsible for the procurement of environmental permits for the new entrance roads for Barksdale AFB. The project includes a new roundabout at the AFB gates along with new four-lane divided highway to tie into the new LA 1267 highway constructed by DOTD under the I-20/I-220 D-B interchange improvements. Additional responsibilities include coordination with the USACE and Bossier Parish Engineering Department. The project was broken into two separate construction plans (Rough Grade and Final Design) and required additional coordination with DOTD and USACE.</p>			
08/21- 08/23	<p><b>Dauphin Island Airport Bulkhead Improvements, AL. Environmental Professional Lead.</b> Responsible for regulatory agency permitting. Michael Baker provided environmental services to assess the potential impacts to wetlands and other waters, oysters, and submerged aquatic vegetation (SAV) habitat related to the construction and repair of an existing bulkhead at the Dauphin Island Airport in Mobile County.</p>			
01/10 - Ongoing	<p><b>Natural Environment Master for Wetland and Other Waters Assessments and Threatened, Endangered (T/E) Species Surveys for Roadway and Bridge Improvements, Statewide, MS. Project Manager.</b> Responsible for environmental studies and reporting. Under three consecutive three-year contracts, Michael Baker has conducted listed species surveys and assessments of potential impacts to wetlands and other waters related to the replacement of bridges and construction of other improvements along various roadways throughout the state. Services include data collection and analysis, site investigations, wetland delineations, and report preparation.</p>			

10/22 - Ongoing	<p><b>Infrastructure Investment Jobs Act (IIJA) Off-System Bridge Program – District 07, LA. Environmental Professional Lead.</b> Oversaw the research for environmental constraints that could serve as a roadblock for the replacement of a bridge structure. The information gathered allowed the engineers to make decisions on which bridge structures should move forward in design based off environmental constraints. Constraints included: archaeological sites, NRHP, pre-1971 La HBI, 71-85 NRHP, Tribal Lands, wetlands, scenic stream, levee permit, coastal zone, T/E species, Section 4(f) and 6(f) lands, navigable waterway, UST or contaminated sites, potential mitigation cost, and additional environmental permits. DOTD broke the project into an initial phase and a final design phase. Project priorities were part of the initial phase that started in October 2022 and was finished and submitted in December 2022. District 07 was given \$30.3M with allocations for each parish.</p>
03/18 - 07/18	<p><b>Jackson County Bridges, Jackson, MS. Project Manager.</b> Michael Baker assisted the Jackson County Road Department with Section 404 permit coordination for multiple bridge replacement and roadway improvement projects within the County. The project included four sites located along Old Fort Bayou Road, Juniper Drive, and Solomon Road. Michael Baker’s services included data collection and analysis for wetlands and other waters of the U.S. and T/E species. The projects required coordination with the Mobile District USACE, US Fish and Wildlife Service (USFWS), MS Department of Marine Resources, MS Department of Environmental Quality (MDEQ), and the MS Department of Archives and History.</p>
01/10 - 04/13	<p><b>S.R. 16 from S.R. 15 to S.R. 19 Bridge Design, Neshoba County, MS. Project Manager.</b> Responsible for field surveys to identify wetlands and other waters of the U.S. and preparation of a jurisdictional findings report for 404 permitting process. Michael Baker provided engineering services for improvements to 10 miles of S.R. 16 from S.R. 15 to S.R. 19. Michael Baker’s services included the Phase A preliminary bridge plans for eight bridges, including hydraulic design for three bridges and a railroad crossing bridge, and stream and wetland delineation.</p>
05/10 - 02/13	<p><b>S.R. 607 Improvements from Texas Flat Road to I-59, Hancock and Pearl River Counties, MS. Environmental Specialist.</b> Responsible for wetland and other waters of the U.S. delineation and reporting. Michael Baker provided engineering services for the widening of S.R. 607 to four lanes from Texas Flat Road to I-59, including the reconstruction of a bridge over Alligator Branch, the replacement of a bridge over Second Alligator Branch, and the replacement of a bridge over Indian Camp Creek.</p>
03/11 - 07/11	<p><b>Wetland Delineations and Assessments for the S.R. 493, S.R. 19, and I-55 Interchange Bridge Replacements, Kemper, Lauderdale, and Madison Counties, MS. Project Manager.</b> Conducted field studies and prepared jurisdictional findings report. Michael Baker performed wetland assessments and delineations for the replacement of the bridges on S.R. 493 in Kemper County, S.R. 19 in Lauderdale County, and at the I-55 interchange in Madison County. Michael Baker’s services included data collection and analysis, field investigations, wetland delineations and assessments, and report preparation.</p>
02/11 - 06/11	<p><b>Wetlands Delineation for S.R. 7 and S.R. 8 Bridge Replacements, Marshall, Benton, and Calhoun Counties, MS. Project Manager.</b> Conducted wetland and other waters assessments for a bridge replacement and road improvements along S.R. 7 in Marshall and Benton Counties and S.R. 8 in Calhoun County. Prepared jurisdictional findings report for submittal to USACE for 404 permit evaluations. Michael Baker performed wetland assessments and delineations for the replacement of the bridges on S.R. 7 in Marshall and Benton counties and S.R. 8 in Calhoun County. Michael Baker’s services included data collection and analysis, field investigations, wetland delineations and assessments, and report preparation.</p>

Firm employed by		Southern Shores Engineering		
Name	<b>John Darnall, E.I.</b>	Years of relevant experience with this employer	3	
Title	Engineer Intern	Years of relevant experience with other employer(s)	4	
Degree(s) / Years / Specialization		MS / 2016 / Coastal Engineering; B.S. / 2014 / Civil Engineering		
Active registration number / state / expiration date		EI.0033971 - Civil / LA / 09/30/2023		
Year registered	2019	Discipline	Civil	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 3. Wetland Delineations/Findings.</b> Mr. Darnall has seven years of experience designing and overseeing environmental restoration projects. John is responsible for the design of environmental restoration projects including navigation dredging, beneficial use of dredge material, marsh creation/dredging, shoreline and bank protection, barrier island and headland restoration, and beach and dune restoration. John is also a certified FAA drone pilot and has flown dozens of missions for project monitoring purposes. Additionally, John has completed training based in part on the USACE wetland delineation manual technical report (1987 manual) and has years of experience in conducting ecological surveys of wetlands, marshes, and swamps including determination of species cover, accretion/erosion measurements, soil characteristics, and stem measurements.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/17 - 08/22	<p><b>Golden Triangle Environmental Restoration, Orleans and St. Bernard Parishes, LA. Design Engineer.</b> Responsibilities included conducting engineering and design calculations. He developed 30% and 95% design reports, plans, and specifications in addition to permit drawings and applications. He also performed a wetland value analysis to quantify habitat benefits over the life of the project</p>			
04/19 - Ongoing	<p><b>Bayou Dularge Environmental Restoration, Terrebonne Parish, LA. Design Engineer.</b> Responsibilities included conducting engineering and design calculations, preparing alternatives report, and preparing design alternatives for the hydrologic structure, borrow area, access corridor and sediment pipeline corridor for the proposed marsh creation and hydrologic restoration project. He also designed bank and channel stabilization features along Grand Pass and Bayou Dularge. Project deliverables included project specifications, plans, and permit drawings.</p>			
03/21 - 11/21	<p><b>Proctor Point Ecosystem Restoration and Bank Stabilization, St. Bernard Parish, LA. Design Engineer.</b> Responsibilities included evaluating the feasibility of multiple marsh creation areas and borrow areas throughout Proctor Point and Lake Borgne. Marsh creation area alternatives were proposed along Proctor Point and consisted of approximately 1,000 acre areas. In addition, approximately 16,500 linear feet (LF) of shoreline protection and bank stabilization features were recommended along the Proctor Point shoreline.</p>			
01/22 - 01/22	<p><b>Post-Ida Drainage System Damage Assessment, St. John the Baptist Parish, LA. Data Collection.</b> Mr. Darnall served as a UAS pilot and data analyst. His responsibilities included developing flight plans, piloting UAS missions, and analyzing data collected. Drainage canals were blocked by debris throughout St. John the Baptist Parish due to impacts from Hurricane Ida. Post-storm damage assessment missions were flown via UAS to determine the location and extent of debris impacting drainage.</p>			

Firm employed by		Michael Baker International, Inc.		
Name	<b>Elizabeth Brock</b>	Years of relevant experience with this employer	4	
Title	Environmental Specialist	Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization		BS / 2010 / Environmental Science		
Active registration number / state / expiration date		n/a		
Year registered	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 4. Permits/Wetland Delineations/Findings/Biological Assessments and Surveys.</b> Ms. Brock has experience in the environmental consulting, with an emphasis in natural resources investigation and related GIS mapping. Her expertise includes Environmental Site Assessments (ESA), wetland delineations and evaluations, and Joint Permit Applications.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
08/22 - 05/23	<p><b>Barksdale AFB Entrance Roads, Bossier Parish, LA. Environmental Scientist.</b> Responsible for the procurement of environmental permits for the new entrance roads for Barksdale AFB. The project includes a new roundabout at the AFB gates along with new four-lane divided highway to tie into the new LA 1267 highway constructed by DOTD under the I-20/I-220 D-B interchange improvements. Additional responsibilities included coordination with the USACE and Bossier Parish Engineering Department. The project was broken into two separate construction plans (Rough Grade and Final Design) and required additional coordination with DOTD and USACE.</p>			
11/22 - ongoing	<p><b>Runway 31 Approach Obstruction and Acquisition, Hammond, LA. Environmental Scientist.</b> Responsible for environmental services. Michael Baker provided professional services associated with the development and submittal of the necessary NEPA Documentation in the form of a short form EA for the Runway 31 Approach Obstruction Mitigation project at Hammond Northshore Regional Airport.</p>			
08/21- 08/23	<p><b>Dauphin Island Airport Bulkhead Improvements, AL. Environmental Scientist.</b> Responsible for permit application documentation and agency coordination. Michael Baker provided environmental services to assess the potential impacts to wetlands and other waters, oysters, and SAV habitat related to the construction and repair of an existing bulkhead at the Dauphin Island Airport in Mobile County.</p>			
03/19 - 01/21	<p><b>Lemoyne Boulevard Erosion Control, St. Martin, MS. Environmental Scientist.</b> Responsible for assisting with environmental services. Michael Baker provided professional services associated with performing a detailed drainage study for new erosion control improvements to an existing open channel drainage way located north of Lemoyne Boulevard. The purpose of the drainage and erosion control study was to provide recommendations to the stormwater drainage channel to address channel re-alignment and implement new erosion control measures to mitigation channel migration and sedimentation of channel banks and bottom.</p>			
07/20 - 08/20	<p><b>S.R. 28 over Boles Creek Wetland Assessment, Jefferson County, MS. Environmental Scientist.</b> Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of bridges over an abandoned railroad and over Boles Creek on S.R. 28. Michael Baker compiled and analyzed preliminary information regarding the project sites, including color infrared aerial photography, soil surveys, design plans for the roadway, and other readily available information.</p>			

06/20 - 07/20	<p><b>S.R. 8 Bridge Replacement Wetland Assessment, Sunflower County, MS. Environmental Specialist.</b> Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of a bridge over the Quiver River. Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. Michael Baker then conducted a field investigation to locate, identify, and delineate wetlands and waters of the U.S. in accordance with the USACE 1987 Wetland Delineation Manual and 2010 Regional Supplement guidance. Michael Baker also performed wetlands mapping and provided a technical report.</p>
10/19 - 11/19	<p><b>S.R. 27 over Big Black River Replacement Project, Warren and Hinds Counties, MS. Environmental Scientist.</b> Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project to replace the existing bridge (Bridge # 117.9) over Big Black River along S.R. 27. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of the bridge on S.R. 27 over Big Black River. For the project, Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. Michael Baker conducted field investigations to locate, identify, and delineate wetlands and waters of the U.S. in accordance with the USACE 1987 Wetland Delineation Manual and 2010 Regional Supplement guidance. It also mapped jurisdictional wetland areas and prepared technical reports.</p>
09/19 - 11/19	<p><b>S.R. 12 over Moccasin Creek Bridge Replacement, Lexington, MS. Environmental Scientist.</b> Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project to replace the existing bridge (Bridge # 69.2) over Moccasin Creek along S.R. 12. For the project, Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. Michael Baker conducted field investigations in the project area to locate, identify, and delineate wetlands and waters of the U.S. in accordance with the USACE 1987 Wetland Delineation Manual and 2010 Regional Supplement guidance. Additionally, Michael Baker provided wetland mapping and a technical report.</p>
08/19 - 09/19	<p><b>Padgett Switch Road Resurfacing, Restoration, and Rehabilitation (RRR), Mobile County, AL. Environmental Scientist.</b> Assisted with environmental services. Michael Baker provided engineering services for the rehabilitation of Padgett Switch Road from Highway 90 to Half Mile Road. Michael Baker's services include design, bidding-phase support, and construction services for grading, drainage, base, and paving of the roads. Michael Baker secured a Section 404 Permit from the USACE. The project was funded by the 2016 Pay-As-You-Go funding program.</p>
04/19 - 08/19	<p><b>Bush Lane and Carol Plantation RRR, Mobile, AL. Environmental Scientist.</b> Responsible for assisting with environmental services. Michael Baker performed engineering services for a RRR project on Bush Lane and Carol Plantation Road. Michael Baker developed reports, plans, and calculations to support 50%, 90%, and 100% design review submissions. Major items of work include preliminary and final design plans; safety audit; preliminary and final cost estimates; and construction administration.</p>
03/19 - 06/19	<p><b>Saline and Caddo River Bridges Design Services, Pike, Howard, and Sevier Counties, AR. Environmental Scientist.</b> Responsible for environmental services. Michael Baker provided roadway and bridge design for the replacement of three bridges in Sevier, Pike, and Howard counties in Arkansas. Individual sites on the project include Highway 70 over the Caddo River, Highway 70 over the Saline River, and Highway 278 over the Saline River. Michael Baker provided plans for the replacement of the bridges and approaches and hydraulic and geotechnical studies and completed the environmental clearance documentation at all locations for ARDOT.</p>

Firm employed by		Michael Baker International, Inc.		
Name	<b>Mariben Anderson</b>	Years of relevant experience with this employer	19	
Title	Senior Environmental Scientist	Years of relevant experience with other employer(s)	22	
Degree(s) / Years / Specialization		BS / 1982 / Biology-Ecology		
Active registration number / state / expiration date		n/a		
Year registered	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 5. Biological Assessments and Surveys.</b> Ms. Andersen has extensive experience in NEPA documentation and environmental permitting associated with transportation development projects. This includes managing and conducting biological assessments, water quality and sediment studies, protected species and wildlife surveys, benthic invertebrate sampling, sea grass and underwater surveys, and wetland studies. She has extensive regulatory experience in permitting transportation projects with wetland, protected species, water quality or other environmental impacts. Her experience includes the design, construction, monitoring and maintenance of wetland restoration and mitigation projects, gopher tortoise relocation areas, scrub jay mitigation bank, and tree mitigation. She has prepared and processed Stated and USACE Dredge and fill project permits involving Sovereign Submerged Lands, Florida Aquatic Preserves, Class II Surface Waters, Outstanding Florida Waters, waters with National Estuary designation, and Water of the U.S. Ms. Andersen keeps up to date with federal, state and local regulations and laws and is a member of the Florida Environmental Resource Permit Advisory Group. She is an active member of the Florida Association of Environmental Professionals and Tampa Bay Estuary Program Consortium.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/19 - Ongoing	<p><b>Alexandria International Airport (AEX) Master Plan Update, Alexandria, LA. Senior Environmental Scientist.</b> Provided Aviation NEPA and environmental services. Developed the environmental overview and environmental strategic plan for the master plan update.</p>			
05/10 - 01/15	<p><b>Multi-Year Contract, South Lafourche Leonard Miller, Jr. Airport (GAO), Galliano, LA. Environmental Manager.</b> Completed the Categorical Exclusion for the perimeter fence, apron, and hangar project. Coordinated with FAA and the airport. Michael Baker developed and implemented an aggressive airport expansion program necessary to accommodate larger aircraft used by tenants of nearby Port Fourchon. The short-term goal was to extend, widen, and strengthen the existing runway; construct a full parallel taxiway; and install airfield lighting, signage, and NAVAIDs. Construction of these projects was phased based on yearly funding restraints. Projects completed include extending and widening the existing 3,800-foot-by-75-foot runway to 6,500-foot-by-100-foot, AWOS installation, airfield lighting and signage, construction of a new stub-taxiway, runway strengthening, safety area improvements, instrument landing system and perimeter fencing, taxiway connector, and parallel taxiway.</p>			

09/11 - 12/11	<p><b>Wildlife Hazard Management Training, Orlando International Airport (MCO), Orlando, FL. Program Manager.</b> Developed and conducted the Annual Wildlife Hazard Training workshop. Michael Baker provided wildlife hazard management training airport personnel with emphasis on bird identification. Michael Baker's services included preparation of course materials, course instruction, and development of a bird field identification guide of the 25 most common birds observed at the airport.</p>
12/13 - 09/15	<p><b>Wildlife Hazard Assessment (WHA), Anderson Regional Airport (AND), Anderson County, SC. QA/QC.</b> Reviewed the WHA Report for compliance with FAA ACs. Michael Baker performed a WHA in order to comply with the requirements of the Code of Federal Regulation Title 14 Subchapter G Part 139 Subpart D Section 139.337, Wildlife Hazard Management, which requires Part 139 certificated airports to conduct a WHA when a triggering event occurs on or near the airport. Michael Baker collected and reviewed wildlife strike data; established observation stations; performed bird and mammal surveys over 12 months; developed a general habitat map using available GIS data, aerial photography, and field observations; and prepared a WHA report, including findings and recommendations.</p>
05/10 - 10/11	<p><b>Wetland Wildlife Hazard Abatement, Palm Beach Gardens, FL. Environmental Manager.</b> Responsible for preparing the environmental documents and environmental permit applications for the project including coordination with the client and regulatory agencies, attendance at project meetings, development of approach and mitigation plan, permit application processing, and served as QA/QC Officer for environmental project deliverables. Michael Baker determined the limits of wetland and surface waters that are located near the runways at North Palm Beach County General Aviation Airport and performed a preliminary WHA. The wetland and surface waters attract birds and other wildlife that contribute to wildlife hazard issues and increase the potential for bird strikes. Michael Baker met with regulatory agencies to determine the feasibility of filling and mitigating for impacts to wetlands. Michael Baker prepared the environmental resource permit application and provided mitigation options to implement the wildlife hazard abatement measure of filling the wetlands. Michael Baker obtained state and federal permits for the client, and mitigation credits were purchased from a public restoration area to compensate for impacts to the wetlands.</p>
09/11 - 12/13	<p><b>Runway Safety Area (RSA) Compliance and Shoreline Stabilization EA, Merritt Island Airport (COI), Merritt Island, FL. Project Manager.</b> Responsible to managing and coordinating the project including the methods used to conduct the biological assessment, coordination with federal, state and local regulatory agencies, gathering data, and preparation of the deliverables. This also included the development of materials for public meetings and conducting the public meeting and public hearing. Served as QA/QC officer for the project. Michael Baker prepared an EA for RSA compliance and shoreline stabilization. Michael Baker collected and reviewed state and federal environmental data and maps; performed wetland delineation, protected species studies, and underwater surveys; developed viable alternatives; coordinated with state and federal agencies; and developed a conceptual mitigation plan. The EA included methods used; results of field surveys; and descriptions of environmental impacts to sea grass, mangroves, a salt marsh, an aquatic preserve, a shellfish protection area, a manatee protection zone, and a wood stork foraging area. It also included proposed mitigation measures for unavoidable environmental impacts; required regulatory permits; and a preliminary cost estimate for designing, permitting, and constructing the improvements. The project was completed four months ahead of schedule and \$10,000 under budget. The FAA issued a finding of no significant impact on January 8, 2013.</p>

Firm employed by		Michael Baker International, Inc.		
Name	<b>Cody Batchelder, PE</b>	Years of relevant experience with this employer	3	
Title	Engineer - Ecosystem Restoration	Years of relevant experience with other employer(s)	7	
Degree(s) / Years / Specialization		BS / 2012 / Civil Engineering		
Active registration number / state / expiration date		PE.046012 / NC / 12/2023		
Year registered	2017	Discipline	Civil	
Year registered	2017	Discipline	Open Water Diver	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 6. Biological Assessments and Surveys/Scuba.</b> Mr. Batchelder brings over a decade of experience in civil engineering, ecosystem restoration, stormwater/flood/erosion and sedimentation control design, and residential and commercial site development projects from concepts to construction drawings. This wide-ranging experience gives Cody the flexibility to work on many types and aspects of projects. His certifications include USDA NRCS Technical Service Provider, and Stream Bank Repair Certification, and he has extensive experience in multiple modeling programs, including HydroCAD, Hydraflow Storm Sewers, HEC-RAS, Bentley WaterCAD, EPANET, AutoCAD Civil 3D, and AutoCAD Express. Mr. Batchelder has experience working with multiple permitting agencies, including North Carolina DEQ, USACE, the State Construction Office, and many municipalities throughout North Carolina.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/17 - 12/20	<p><b>De Roche Creek Structures &amp; Approaches (Lateral Slide Bridge Replacement), Clark and Hot Spring Counties, AR. Engineer.</b> Michael Baker is providing roadway and bridge design services for the replacement of two parallel bridges over De Roche Creek on I-30 in Southwest Arkansas near the city of Arkadelphia. Michael Baker is implementing the state's first highway bridge replacement project to use the innovative Accelerated Bridge Construction method known as a lateral slide.</p>			
02/20 - Ongoing	<p><b>Blair Creek Mitigation Project, Clay County, NC. Engineer.</b> Responsibilities included quantity estimates and erosion control permitting. Michael Baker identified and secured the Blair Creek Mitigation Site in Clay County, North Carolina. A mitigation plan has been developed that provides a stream restoration design for four stream reaches and their associated riparian wetlands within the stream buffer. A survey and conservation easement have been completed. Additionally, Michael Baker is conducting construction to implement the restoration design and providing monitoring for seven years post construction.</p>			
12/20 - Ongoing	<p><b>Eleven Point Riverbank Restoration, Randolph County, AR. Engineer.</b> Michael Baker provided topographical survey, design, plans, and specifications for bank restoration of approximately 1,100 feet along an outside bend of the Eleven Point River. The bank was stabilized by terracing the bank and reinforcing it with woody debris that was sourced on site and planting native vegetation.</p>			

10/20 - 07/23	<p><b>Dog Creek Mitigation Assessment and Design Plans, Caryville, TN. Engineer.</b> Responsibilities included working with the project manager to address any comments from Tennessee DOT for submittal of final construction documents. Michael Baker is providing engineering and environmental services for a feasibility study of Dog Creek. Michael Baker is developing conceptual ideas into a draft mitigation plan for initial planning and developing 35 percent and 100 percent mitigation plans for construction. Additionally, Michael Baker is providing modeling, coordination, and communication to determine if the project can be permitted by FEMA with a No-Rise Certification or if it will require a Conditional Letter of Map Revision and a post-construction Letter of Map Revision.</p>
11/20 - 07/23	<p><b>S.R. 66 Hawkins County On-Site Stream Mitigation Project, Hawkins County, TN. Engineer.</b> Michael Baker conducted a stream functional assessment of Whitehorn Creek at the Tennessee DOT identified mitigation site along the S.R. 66 reconstruction alignment near Bulls Gap, Tennessee. Tasks included coordinating with the Tennessee DOT Survey Office to collect survey of the project site; TN Stream Qualification Tool functional assessment and both ROW plan set and construction plan set preparation; development of potential mitigation credit estimate; and project mitigation plan preparation.</p>
06/20 - Ongoing	<p><b>Unnamed Tributary (UT) to Magness Creek Stream Mitigation Project, NC. Engineer.</b> Responsibilities included collection of particle data samples on site and erosion control plans. Michael Baker is performing stream restoration and enhancement on three stream reaches, totaling approximately 3,385 LF of existing streams (Mainstem, UT1, and UT2) that are part of the UT to Magness Creek project area. Additionally, degraded riparian wetlands will be restored or enhanced through implementing Priority Level 1 restoration and through revegetation of the riparian buffer. The existing stream reaches have been significantly impacted by unrestricted livestock access and removal or impairment of riparian buffers. The project primarily has very incised streams with extreme bank erosion and impaired buffers that vary from areas with no woody buffer vegetation to areas with large trees but at low density. Many trees within the buffer have fallen and others are in danger of falling. Invasive vegetation is scattered throughout the buffer. Michael Baker's services include surveying and mapping, sediment transport analysis, hydrologic modeling, permitting, stream channel restoration and enhancement design, riparian wetland restoration and enhancement design, revegetation design, conservation easement acquisition, and development of monitoring plans. This project will alleviate these problems and provide significant functional improvement at this site. The project began in 2018. Construction was completed in 2020 and will be monitored for seven years.</p>
03/20 - Ongoing	<p><b>Browns Summit Creek Restoration, Browns Summit, NC. Engineer.</b> Michael Baker provided engineering services for the restoration of 3,846 LF of jurisdictional stream channel; the enhancement of 2,535 LF of stream, of which 559 are for Stormwater best management practices (BMP) along UTs to the Haw River; the restoration of 4.44 acres of wetland, and the construction of two Stormwater BMPs within the conservation easement boundary. Michael Baker's services included watershed analyses, existing condition and reference reach surveys, restoration and BMP design, mitigation plan preparation, environmental permitting, and construction oversight.</p>

Firm employed by		Southern Shores Engineering	
Name	<b>Whitney Thompson, PE</b>	Years of relevant experience with this employer	3
Title	Principal Engineer	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		PE.0034825 / LA / 03/2024	
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 7. Permits.</b> Ms. Thompson has led water resources projects for 18 years. She is responsible for the design and management of projects including dredging, wetland restoration, shoreline stabilization, barrier island restoration, and freshwater introduction. She has worked closely with state and federal agencies leading clients from feasibility to permitting and design and through construction. Ms. Thompson has extensive experience with environmental permitting, having permitted some of the most complex environmental restoration projects in the Gulf Coast region.</p>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).		
07/17 - 08/22	<p><b>Golden Triangle Environmental Restoration, Orleans and St. Bernard Parishes, LA. Engineer of Record.</b> Responsibilities included overseeing all engineering and design. She approved 30% and 95% design reports, plans, and specifications, permit drawings and applications.</p>		
04/19 - Ongoing	<p><b>Bayou Dularge Environmental Restoration, Terrebonne Parish, LA. Principal Engineer.</b> Managing the engineering and design, preparing the alternatives report, and preparing design alternatives for the hydrologic structure, borrow area, access corridor and sediment pipeline corridor for the proposed marsh creation and hydrologic restoration project. Ms Thompson also designed bank and channel stabilization features along Grand Pass and Bayou Dularge. Additional project deliverables consisted of project specifications, plans, and permit drawings.</p>		
03/21 - 11/21	<p><b>Proctor Point Ecosystem Restoration and Bank Stabilization, St. Bernard Parish, LA. Principal Engineer.</b> Responsibilities included managing the feasibility of multiple marsh creation areas and borrow areas throughout Proctor Point and Lake Borgne. Proposed alternatives consisted of approximately 1,000 acre areas. Approximately 16,500 LF of shoreline protection and bank stabilization features were recommended.</p>		
03/14-12/18	<p><b>Oyster Bayou Marsh Restoration Project, Cameron Parish, LA. Project Manager.</b> Designed the proposed marsh creation/nourishment and earthen terrace areas to achieve target habitat acreage by evaluating average existing elevations, the tidal datum, desired vegetation species, physical properties of the borrow material, and the estimated settlement of soils. Managed CE&amp;I, including management of adjacent T/E species habitat. Coordinated with regulatory agencies to ensure successful implementation. Permitted wetland restoration as well as dredge pipeline installation, including pavement patching, across a hurricane evacuation route. Permitted work through USACE, OCM, DOTD, DHH, and LDWF. Designed pavement patch sequencing, including phased-construction traffic control.</p>		
03/11-08/17	<p><b>Shell Island Restoration Project, Plaquemines Parish, LA. Project Manager.</b> Managed CE&amp;I, including management of adjacent T/E species habitat. Coordinated with regulatory agencies to ensure successful implementation. Permitted wetland restoration as well as dredge pipeline installation, including jack and bore construction, across a hurricane evacuation route. Permitted work through USACE, OCM, DOTD, and LDWF.</p>		



Firm employed by		Michael Baker International, Inc.		
Name	<b>Chris Gesing, PE</b>	Years of relevant experience with this employer	43	
Title	Project Manager	Years of relevant experience with other employer(s)		
Degree(s) / Years / Specialization		MS / 1984 / Civil Engineering; BS / 1980 / Civil Engineering		
Active registration number / state / expiration date		PE.0026996 / LA / 03/2025		
Year registered	1996	Discipline	Civil	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 7. Permits.</b> Mr. Gesing is well-known and respected within DOTD and the consulting community and will prove invaluable for QA/QC for permits and other deliverables. For 26 years, he has served DOTD as a Project Manager and Environmental Lead. He brings over 40 years of bridge, traffic, roadway, and planning (Stage 1 studies) expertise. Chris authored DOTD's first Stage 1 (Planning/Environmental) Manual of Standard Practice and has instructed NEPA classes for both Louisiana Transportation Research Center and ASCE. He is a former member of the TRB Committee on Analysis in Transportation (NEPA Committee) where he served as the Steering Subcommittee Chair. He has authored numerous NEPA documents (EISs, EAs and CEs) for DOTD.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/22 - Ongoing	<p><b>LA 30: EBR PL – I-10, Ascension, Iberville, and East Baton Rouge Parishes, LA. Deputy Project Manager and Environmental Lead.</b> Project is currently in the Part 1 phase of the study to determine the required widening requirements of nearly 14 miles of improvements along LA 30 through Iberville and Ascension Parish. The study will also determine necessary intersection improvements at Bayou Paul Lane, LA 74, LA 3115, LA 73, and LA 3251. Additional responsibilities include managing the environmental field services to collect the necessary field data along with developing the FHWA Project Management Plan.</p>			
07/11 - Ongoing	<p><b>NORG, Jefferson and Orleans Parishes, LA. Project Manager and Environmental Lead.</b> Leading the engineering, environmental studies and preparation of the EIS to modernize the 35-mile freight rail system. Michael Baker is providing operations, engineering and environmental studies and preparing an EA for improvements to two at-grade highway-rail crossings along Jefferson Highway in Jefferson Parish, between the Ochsner Health Foundation Hospital and Monticello Avenue. For the project, Michael Baker is performing solicitation of views including Native American government-to-government coordination through FRA, environmental resources investigations, GIS mapping, freight rail operations forecasting and crossing occupancy time analyses, roadway traffic and crash analyses, rail and roadway/bridge conceptual design.</p>			
01/11 - 12/11	<p><b>I-69 Section of Independent Utility (SIU) No. 15 EIS/ROD, Bossier, Caddo and DeSoto Parishes, LA. Project Manager and Environmental Lead.</b> Led a Stage 1 study of a \$1.7B, 35-mile interstate facility on new location between U.S. 171 near Stonewall in DeSoto Parish, and I-20 near Haughton in Bossier Parish. Michael Baker conducted a preliminary engineering and environmental study for I-69 SIU 15 including conceptual Red River Bridge design and navigable waterway studies, interchange justification studies, Phase I Cultural Resources Assessment including probability modeling for archaeological resources and geoarchaeological study, wetland delineation and surface waters evaluations, Phase I ESA, highway traffic noise studies, ESA Section 7 consultation and biological assessments.</p>			

05/08 - 05/11	<p><b>East-West Corridor EA/FONSI, Bossier Parish, LA. Project Manager and Environmental Lead.</b> Responsibilities included managing the environmental studies and preparation of ESA. Michael Baker's services included traffic analyses including conducting traffic counts and forecasting traffic using NLCOG's TransCAD regional travel demand model; Phase I Cultural Resources Assessment including probability modeling for archaeological resources and geoarchaeological study; wetland delineation and surface waters evaluations; Phase I ESA; and highway traffic noise studies.</p>
05/08-12/09	<p><b>Terrebonne Barrier Shoreline Restoration, Baton Rouge, LA. QA/QC.</b> Provided Supplemental EIS QA review to ensure compliance with NEPA, USACE, and other applicable laws, regulations, and guidance. Michael Baker assisted in an environmental restoration feasibility study for the Terrebonne Basin Barrier Islands. Michael Baker's services included a shoreline change analysis on two of the islands to determine the feasibility of using detached segmented breakwaters to mitigate erosion on other barrier islands in the Terrebonne Basin.</p>
08/02-12/06	<p><b>Stage 1 – Planning/Environmental Manual of Standard Practice, Statewide, LA. Project Manager, Author and Course Instructor.</b> He developed the LA DOTDs initial Manual of Standard Practice and training program and conducted several half-day training sessions. The Stage 1 Planning/Environmental Manual of Standard Practice provides transportation project managers guidance in advancing transportation improvements projects through Stage 1 of the LA DOTD's Project Development Process. A half-day training course was developed, and Michael Baker provided several half-day training sessions to LA DOTD and FHWA Louisiana Division staff. The LA DOTD updated the Manual in 2018.</p>
09/99-09/04	<p><b>Louisiana 1 Improvements Alternatives Analysis and Environmental Impact Statement, EIS/ROD, Lafourche Parish, LA. Project Manager and Environmental Lead.</b> Manager for a \$1.3 billion, 17-mile four-lane fully controlled access elevated highway on new location with bridges spanning navigable waterways. Michael Baker conducted the route location, conceptual engineering, and environmental evaluation. The project area encompassed some of the most ecologically unique and sensitive areas in Louisiana, and perhaps the Nation, and traversing the area with a highway on new location presented major environmental challenges. The project received national attention for its environmental stewardship and streamlining accomplishments and was the recipient of the <b>2004 AASHTO President's Transportation Award for Environment.</b></p>
08/97-09/05	<p><b>North-South Expressway, Location and Environmental Study, EIS/ROD, Caddo Parish, LA. Project Manager.</b> Manager for a \$670M, 35-mile four-lane fully controlled highway on new location between I-220 in Shreveport, LA, and the Arkansas state line (I-49 North). The project included logical termini evaluation, interchange justification studies, Phase I Cultural Resources Assessment, wetland delineation and surface waters evaluations, Phase I ESA, highway traffic noise studies, and air quality impact assessment.</p>

Firm employed by		Michael Baker International, Inc.		
Name	<b>Stephen Martin</b>	Years of relevant experience with this employer	2	
Title	Environmental Specialist	Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization		BS / 2013 / Environmental Biology; AS / 2020 / Drafting and Design		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 8. Permits/Wetland Delineations/Findings/Biological Assessments and Surveys/CADD/MicroStation and GIS.</b> Mr. Martin is an environmental specialist with knowledge of a variety of southern Mississippi species, including flora and fauna. He is experienced in field biology and environmental data collection, monitoring for restoration and mitigation sites, and conducting biological surveys for a diverse range of project types. In addition to conducting field-based surveys and monitoring, Mr. Martin's experience includes GIS mapping for applications including jurisdictional delineations, vegetation surveys, and construction monitoring. He is responsible for threatened and endangered species surveys, and technical report production for pre-NEPA and NEPA projects.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/22 – Ongoing	<p><b>Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program – District 07. Environmental Associate.</b> Reviewed the proposed project areas and collected data for environmental constraints that could serve as a roadblock for the replacement of a bridge structure. The information gathered allowed the engineers to make decisions on which bridges structures should move forward in design based off these environmental constraints. The constraints included but not limited to the following: Archaeological Sites, NRHP, Pre-1971 La HBI, 71-85 NRHP, Tribal Lands, Wetlands, Scenic Stream, Levee Permit, Coastal Zone, T&amp;E Species, Section 4(f) and 6(f) lands, Navigable Waterway, UST or Contaminated Sites, Potential Mitigation Cost, and Additional Environmental Permits. Project includes five parishes in District 07 for the replacement of existing off-system bridges. DOTD broke the project into an Initial Phase and a Final Design Phase. Project priorities were part of the initial phase that started in October 2022 and was finished and submitted in December 2022. District 07 was given \$30.3 million dollars with allocations for each parish.</p>			
09/21 – Ongoing	<p><b>Old Fort Bayou Boat Pier Extension, Jackson County, MS. Environmental Associate.</b> Completed wetland and other waters of the U.S. delineation and reporting, oyster survey and technical report, and an EA. Michael Baker provided environmental, design and engineering services for the improvement at Ft. Bayou Boat Launch located off Washington Avenue in Jackson County. Project elements included improved traffic circulation and parking, improved lighting, boat ramp improvements, and new finger piers. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services.</p>			

09/21 – 09/22	<p><b>Jackson County Dredging, Jackson County, MS. Environmental Associate.</b> Michael Baker performed design and engineering services for maintenance dredging of material from Dutch Bayou and Catherine Roberts Bayou. The project was initiated to promote safe access to the waterways in Jackson County and promote positive drainage in these areas. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services. This project also included SAV and Oyster Surveys.</p>
10/21 – 06/22	<p><b>Dauphin Island Airport Bulkhead Improvements, AL. Environmental Associate.</b> Responsible for conducting SAV survey and reporting for USACE and T/E Species surveys and technical reports, for bulkhead replacement. Michael Baker provided environmental services to assess the potential impacts to wetlands and other waters, oysters, and SAV habitat related to the construction and repair of an existing bulkhead at the Dauphin Island Airport in Mobile County.</p>
02/22 – 06/22	<p><b>Letort Lane Drainage, Jackson County, MS. Environmental Associate.</b> Responsible for regulatory agency permit coordination. Completed wetland and other waters of the U.S. delineation and reporting for USACE Section 404 permit coordination and T/E Species surveys and technical reports for Section 7 coordination with the USFWS. Michael Baker performed environmental, design and engineering services for the development of drainage and erosion control improvements along an existing drainage way located north of Lemoyne Boulevard in the Saint Martin Community located on the west side of Jackson County. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services.</p>
11/21 – 03/22	<p><b>I-59 &amp; U.S. 11 Hattiesburg, Forrest County, MS. Environmental Associate.</b> Responsible for high-level field reconnaissance to verify the presence and condition of five potential Hazardous Materials sites. Michael Baker provided environmental, design and engineering services for the improvements along I-59 at U.S. 11 interchange. A review was conducted to identify potential environmental concerns in the vicinity of the study area. Michael Baker provided design, permitting, bid-phase support, and construction administration services.</p>
10/21 – 03/22	<p><b>S.R. 15 Tippah 101632, Forrest County, MS. Environmental Associate.</b> Responsible for the completion of a wetland and other waters of the U.S. delineation and report and for Section 404 permit coordination with the USACE. Also completed a T/E Species survey and technical report and coordinated clearance with the USFWS. Michael Baker provided environmental, design and engineering services for the improvements along S.R. 15 beginning one mile north of S.R. 4 and extends northward to a point along existing S.R. 15. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services.</p>
09/21 – 11/21	<p><b>Beachview Drive Widening (PH2), Jackson County, MS. Environmental Associate.</b> Responsible for the completion of a wetland and other waters of the U.S. delineation and report and for Section 404 permit coordination with the USACE. Michael Baker provided environmental, design and engineering services for the improvements along Beachview Drive between Blueberry Drive and Old Walnut Road located in the Gulf Park Estates community of Jackson County. The project was initiated to provide a minimum 12-foot travel lanes for traffic and 5-foot sidewalks on each side of Beachview Drive. For the project, Michael Baker provided design, permitting, bid phase support, and construction administration services.</p>

Firm employed by		Southern Shores Engineering		
Name	Christopher Paul, PE	Years of relevant experience with this employer	3	
Title	Engineer	Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering		
Active registration number / state / expiration date		PE.0043282 - Civil / LA / 09/2023		
Year registered	2019	Discipline	Civil	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 9. CADD/MicroStation and GIS.</b> Mr. Paul is responsible for the design and management of environmental restoration projects including navigation dredging, beneficial use of dredge material, marsh creation/dredging, shoreline and bank protection, barrier island and headland restoration, and beach and dune restoration. He focuses on applied engineering principles such as hydraulics, hydrology, coastal processes, and geotechnical engineering, while performing project planning, permitting (including coastal use and 404 permitting), design, and construction administration.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
07/17 – 08/22	<p><b>Golden Triangle Environmental Restoration, Orleans and St. Bernard Parishes, LA. Design Engineer.</b> Mr. Paul served as a design engineer for the Golden Triangle Project. His responsibilities included conducting engineering and design calculations for the proposed environmental restoration project. He developed 30% and 95% design reports, plans, and specifications in addition to permit drawings and applications. He also performed a wetland value analysis to quantify habitat benefits over the life of the project.</p>			
04/19 – Ongoing	<p><b>Bayou Dularge Environmental Restoration, Terrebonne Parish, LA. Design Engineer.</b> Mr. Paul served as the design engineer for the Bayou Dularge Project. His responsibilities included conducting engineering and design calculations, preparing alternatives report, and preparing design alternatives for the hydrologic structure, borrow area, access corridor and sediment pipeline corridor for the proposed marsh creation and hydrologic restoration project. Mr. Paul also designed bank and channel stabilization features along Grand Pass and Bayou Dularge. Additional project deliverables consisted of project specifications, plans, and permit drawings.</p>			
03/21 – 11/21	<p><b>Proctor Point Ecosystem Restoration and Bank Stabilization, St. Bernard Parish, LA. Design Engineer.</b> Mr. Paul served as the design engineer for the Proctor Point Project. His responsibilities included evaluating the feasibility of multiple marsh creation areas and borrow areas throughout Proctor Point and Lake Borgne. Marsh creation area alternatives were proposed along Proctor Point and consisted of approximately 1,000 acre areas. In addition, approximately 16,500 LF of shoreline protection and bank stabilization features were recommended along the Proctor Point shoreline.</p>			
01/22 – Ongoing	<p><b>St. John the Baptist Parish Post-Ida Drainage System Damage Assessment, St. John the Baptist Parish, LA. Design Engineer.</b> Mr. Paul served as a UAS pilot and data analyst on the St. John Post-Ida Damage Assessment Project. His responsibilities included developing flight plans, piloting UAS missions, and analyzing data collected. Drainage canals were blocked by debris throughout St. John the Baptist Parish due to impacts from Hurricane Ida. Post-storm damage assessment missions were flown via UAS to determine the location and extent of debris impacting drainage.</p>			

Firm employed by		Michael Baker International, Inc.		
Name	Lu Ann May	Years of relevant experience with this employer	36	
Title	Technical Manager	Years of relevant experience with other employer(s)	40	
Degree(s) / Years / Specialization		BS / 1983 / Management Information Systems		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<p><b>Fulfills the role of MPR 9. CADD/MicroStation and GIS.</b> Ms. May is a technical manager with extensive experience in National Environmental Policy Act, transportation planning, and GIS applications. She specializes in Planning and Environmental Linkage (PEL) and Phase I studies for complex urban and rural transportation corridors throughout the United States. Her practical experience includes preparing environmental documentation, meaningful report graphics, impact assessments, public and agency outreach presentations and exhibits, and GIS inventory and analysis. Her strong technical and analytical skills, combined with varied project experience, enable her to provide insight and solutions to the most challenging project issues.</p>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; Experience dates should cover the years of experience specified in the applicable MPR(s).			
05/11 – Ongoing	<p><b>New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parishes, LA. Technical Manager.</b> Responsible for supporting the project manager in all work efforts associated with the engineering and environmental studies. Also responsible for the development and analysis of a project-specific GIS (GIS) containing environmental and engineering coverages. Michael Baker is providing environmental and engineering services to develop an environmental impact statement for the New Orleans Rail Gateway, the fourth-largest freight and passenger rail gateway in the United States. Michael Baker’s services include project management, review of previous studies, environmental resources investigations, GIS development, mapping, rail and roadway travel demand modeling, alternatives analyses, rail and roadway conceptual design, cost estimates, document preparation, stakeholder and agency coordination, and extensive public outreach.</p>			
09/99 – 09/04	<p><b>Louisiana 1 Improvements Alternatives Analysis and EIS, Lafourche Parish, LA. Technical Manager.</b> Responsible for building the project GIS which consists of field and secondary data sources including wetlands, floodplains, threatened/endangered species, historic/archaeological resources and other natural resources. Also responsible for GIS analysis to calculate potential environmental impacts for each of the alignment alternatives to support alignment selection and EIS preparation. Michael Baker conducted a route location, conceptual engineering, and environmental evaluation for a 17-mile four-lane fully controlled access elevated highway on new location with bridges spanning navigable waterways. Because the project area encompassed some of the most ecologically unique and sensitive areas in Louisiana, and perhaps the Nation, traversing the area with a highway on new location presented major environmental challenges. In the spirit of environmental stewardship and streamlining, a context sensitive project approach was employed to develop a transportation facility that fit the physical setting and preserved scenic, aesthetic, historic, and environmental resources, while maintaining safety and mobility.</p>			

08/97 – 09/05	<p><b>North-South Expressway, Location and Environmental Study, EIS/ROD, Caddo Parish, LA. GIT Specialist.</b> Responsible for building the GIS of environmental constraints and performing GIS analysis to produce environmental impact reports and corresponding graphic maps to support corridor selection and EIS preparation. The GIS comprised of both field verified and secondary data sources including land use/land cover, wetlands, farmlands, floodplains, tax map parcels, historic / archaeological resources, threatened / endangered species, environmentally sensitive federal and state designated wilderness areas, and other natural and socioeconomic resources. Michael Baker conducted a preliminary engineering and environmental study of the North-South Expressway in Caddo Parish for the DOTD. The proposed highway will be an interstate facility on new location, approximately 56 kilometers (35 miles) in length, between I-220 in Shreveport, LA, and the Arkansas state line.</p>
05/08 – 05/11	<p><b>East-West Corridor Environmental Assessment, Bossier Parish, LA. Technical Manager.</b> Responsible for managing the project GIS which consists of primary and secondary data sources for social, natural and cultural resources. Performed GIS analysis to support agency and public meetings, property access, field studies, alignment development and selection, quantifying potential impacts, and preparation of the EA document and technical reports. Michael Baker provided preliminary engineering and NEPA and environmental documentation for a new eight-mile, two-lane urban collector with ROW clearance for possible expansion to a four-lane boulevard. The purpose of the new facility was to alleviate congestion and reduce travel delays along the other roadways that link the rapidly growing residential areas of Bossier Parish with the Shreveport and Bossier City employment centers.</p>
09/13 – 08/14	<p><b>Global Strike Command Sign Study, Barksdale AFB, LA; Francis E Warren AFB, Wyoming; Malmstrom AFB, Montana; Minot, AFB, North Dakota; Whiteman AFB, Missouri. Technical Manager.</b> Responsible for developing a user interface for engineers to review and assess each sign inventoried for each base, development of Visual Basic application to assign retroreflectivity condition based on the recorded retroreflectivity values, and creation of a GIS map template for producing consistent report exhibits. Michael Baker performed a traffic engineering analysis of traffic control devices at five U.S. Air Force Global Strike Command bases to establish a roadway sign management system and determine whether the devices met federal standards. Michael Baker's services included a desktop analysis of a GIS database, evaluation of traffic control devices for compliance with federal standards, development of recommendations and cost estimates for compliance, and preparation of a best management practices report for implementation of a sign maintenance program.</p>
07/05 – 01/16	<p><b>I-69 Biological Assessment, LA. GIT Specialist.</b> Responsible for GIS analysis of U.S. Coast Guard data to assess potential nesting habitats of the Interior Least Tern. Michael Baker conducted a biological assessment for potential impacts to the Interior least tern (<i>Sterna antillarum</i>) nesting habitat at the two proposed Red River crossing locations as defined in the I-69 SIU 15 Draft EIS (FHWA-LA-EIS-05-02-D) in response to comments received from the USFWS regarding threatened and endangered species.</p>

17. Firm Experience:

Firm name	Michael Baker International, Inc.		Past Performance Evaluation Discipline(s)*	Environmental, Data Collection, Planning
Project name	New Orleans Rail Gateway EIS		Firm responsibility (prime or sub)?	Prime
Project number	H.005168	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Jefferson and Orleans Parishes, LA	Owner's Project Manager	J. Dean Goodell	
Owner's address, phone, email	P.O. Box 94245, Baton Rouge, LA 70804-9245   225-379-3031   dean.goodell@la.gov			
Services commenced by this firm (mm/yy)	05/11	Total consultant contract cost (\$1,000's)	\$6,638	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$6,638	

**RELEVANT EXPERIENCE**

- Project Management
- Existing Studies Review
- Environmental Resources Investigations
- GIS Mapping
- Alternatives Analyses
- Rail and Roadway Conceptual Design
- Cost Estimates
- Stakeholder and Agency Coordination
- Wetland Delineations
- Extensive Public Outreach

**KEY STAFF**

TJ Holliday, PWS  
 Daniel Thornhill, PE  
 Chris Gesing, PE  
 Lu Ann May

The NORG is served by six Class I freight railroads, with passenger services provided by Amtrak and local operators. Michael Baker identified strategies to improve the flow of rail traffic while reducing vehicle congestion at crossings and improve emergency evacuation procedures, the reliability of marine traffic passing through the Industrial Canal, and overall environmental quality.

Michael Baker prepared an EIS, according to LADOTD's standard operating procedure for advancing projects through the NEPA process.

**PROJECT MANAGEMENT** - Our team maintained records; prepared reports; and coordinated with LADOTD, Federal Railroad Administration (FRA), the Association of American Railroads, and regional planning commissions.

**PHASE I—PROJECT SCOPING & PURPOSE & NEED STATEMENT DEVELOPMENT**

Michael Baker determined the scope of the project issues to be addressed in the EIS and identified significant issues. We reviewed previous studies, developed mapping, and prepared a solicitation of view to inform stakeholders of the project and solicit early comment. Michael Baker organized and facilitated scoping

meetings with agency representatives, local officials and the public to present project goals, alternatives, scope and study approaches, issues identified in responses to the statement of views, and plans for stakeholder coordination. We prepared a purpose and need statement to establish the basis for evaluating alternatives and distributed it to stakeholders following approval by the LADOTD and the FRA.

**PHASE II—ALTERNATIVES STUDIES & PUBLIC OUTREACH** - Michael Baker developed a GIS database of source information and conceptual alternatives satisfying the purpose and need, evaluate potential environmental impacts, and recommend a preferred alternative. Michael Baker also performed engineering studies, then facilitated agency and public meetings to present the results of the preliminary alternatives analysis and generate comments. Michael Baker refined and expanded the alternatives, identified the preferred alternative, and prepared an action plan.

**PHASE III—ENVIRONMENTAL DOCUMENTATION** - Michael Baker prepared a draft EIS presenting the alternatives and discussing potential impacts. Michael Baker distributed the draft EIS to stakeholders and updated the materials from the alternatives outreach meetings to prepare for the required public hearings. Michael Baker then facilitated public hearings in each of the affected parishes.

**RESULTS** - Michael Baker's EIS provided a feasible conceptual alternative and strategy to meet LADOTD's goal of improving rail traffic flow, reducing congestion at crossings, improving emergency evacuation procedures and overall safety, and improving the reliability of marine traffic while limiting adverse impacts to natural and man-made environments.

Firm name	<b>Michael Baker International, Inc.</b>	Past Performance Evaluation Discipline(s)*	Road, Environmental
Project name	<b>Barksdale AFB Entry Control Facility (D-B)</b>	Firm responsibility (prime or sub)?	Prime
Project number	N69450-16-D-0100	Owner's name	NAVFAC Southeast
Project location	Bossier Parish, LA	Owner's Project Manager	Sarah Reed
Owner's address, phone, email	334 Davis Avenue West, Suite 105, Barksdale AFB, LA 71110   318-243-3902   sarah.m.reed16.civ@us.navy.mil		
Services commenced by this firm (mm/yy)	08/22	Total consultant contract cost (\$1,000's)	\$2,031
Services completed by this firm (mm/yy)	05/23	Cost of consultant services provided by this firm (\$1,000's)	\$1,918

### RELEVANT EXPERIENCE

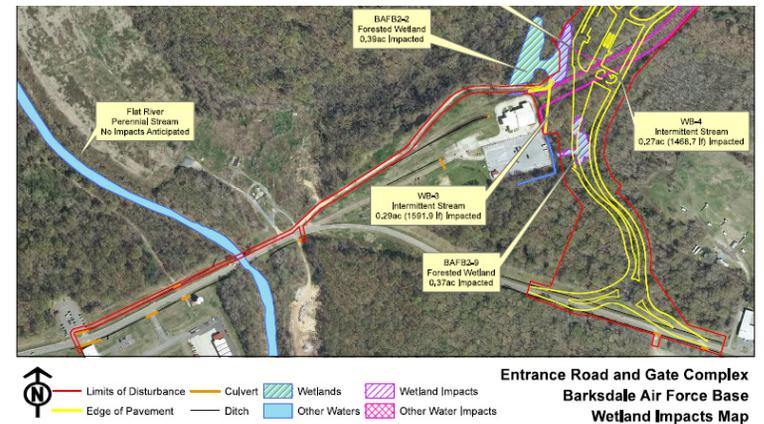
- Environmental Resources Investigations
- Project Management
- Existing Studies Review
- GIS Mapping
- Alternatives Analyses
- Cost Estimates
- Section 404 Individual Permit
- Section 401 Water Quality Certification
- Floodplain Development Permit
- LDEQ Construction Stormwater NOI/SWPPP
- Wetland Mitigation Coordination
- Stakeholder and Agency Coordination

### KEY STAFF

TJ Holliday, PWS  
Daniel Thornhill, PE  
Elizabeth Brock  
Stephen Martin

**PROJECT MANAGEMENT** - The Michael Baker design team developed construction plans per DOTD Design Guidelines and Standard Specifications. The beginning of the project is a direct tie to LA 1267 where it terminates after the Kansas City Southern railroad crossing bridge constructed under the DOTD I-20/I-220 D-B project. The roadway extension (BAFB Road) will continue as a four-lane divided highway as it enters the base property where it will transition to a new multi-lane roundabout. The roundabout is placed before the new base entrance gates and will allow for motorists that inadvertently exited onto LA 1267 to make a U-turn and return back towards the I-20/I-220 interchange without having to enter the AFB. The new portion of BAFB Road is being built on the base property where a Corporate Endeavor Agreement was developed under the DOTD Design-Build project to allow for the completion of the roadway before entering the gates of the AFB.

**COORDINATION** - The Michael Baker design team coordinated directly with DOTD I-20/220 Project Manager, Corey Landry, and with DOTD I-20/220 Owner Verification Consultant Project Manager, Gordon Nelson. Additional requirements by the design team were to develop temporary traffic control (TTC) plans since the I-20/220 project was completed before this project was able to be constructed. The TTC plans identified one construction entry point along Ramp "EB-SB" and two construction exit points along Ramps "NB-EB" and the "C-D"



road. Additionally, a project permit was prepared and submitted to DOTD District 4 for approval once DOTD gave verification of 100% acceptance of the project design.

**ENVIRONMENTAL TASKS** - The Michael Baker Environmental team was responsible for the transfer of the I-20/I-220 USACE Permit from DOTD to the NAVFAC SE (owner of project). Additional efforts were done by the environmental team in regard to the requirements of the SWPPP, local parish and Levee District permitting requirements, and coordination with DEQ in regards to water quality permits and requirements.

**RESULTS** - Michael Baker completed an alternative delivery D-B for Barksdale AFB's entrance roads, coordinating with the owner and DOTD as well as obtaining the required project permits.

Firm name	Michael Baker International, Inc.		Past Performance Evaluation Discipline(s)*	Environmental, Data Collection, Planning	
Project name	Dauphin Island Airport Bulkhead Improvements			Firm responsibility (prime or sub)?	Prime
Project number	CCP-003-20_080820	Owner's name	Mobile County		
Project location	Mobile County, AL		Owner's Project Manager	Connie Hudson	
Owner's address, phone, email	205 Government Street, Mobile, AL 36644, 251-574-2000, connie.hudson@mobilecountyal.gov				
Services commenced by this firm (mm/yy)	11/21	Total consultant contract cost (\$1,000's)	\$280		
Services completed by this firm (mm/yy)	08/23	Cost of consultant services provided by this firm (\$1,000's)	\$280		

**RELEVANT EXPERIENCE**

- Data Collection and Analysis
- Site Investigation
- Wetland Delineation and Mapping
- Oyster Survey
- SAV Survey
- Report Preparation

**KEY STAFF**

TJ Holliday, PWS  
 Stephen Martin  
 Elizabeth Brock

**PROJECT MANAGEMENT** - Michael Baker provided environmental services to assess the potential impacts to wetlands and other waters, oysters, and SAV habitat related to the construction and repair of an existing bulkhead at the Dauphin Island Airport in Mobile County.

The Mobile County Commission is proposing the replacement of an existing bulkhead. The Airport has a single runway that extends into the Mississippi Sound, west of Graveline Bay and east of Bayou Aloe. The existing bulkhead is comprised of concrete sheet pile and extends approximately 1 mile surrounding the Airport.

The existing bulkhead has deteriorated due to age and weathering. The deterioration of the bulkhead has led to safety concerns on the airfield that jeopardize aircraft operations. The proposed project is intended to correct these safety issues, protect the runway and surrounding area from further issues with the failing bulkhead and enhance the safety of the aircraft.

**ENVIRONMENTAL TASKS** - As part of the Section 404 permit application process with the USACE and Alabama Department of Environmental Management, a wetland delineation, SAV, and oyster survey was conducted surrounding the existing bulkhead to map potential SAV and oyster habitat located within the proposed project area.

**RESULTS** - Michael Baker completed the study to evaluate any potential environmental impacts associated with the erosion control project.



<i>Firm name</i>	<b>Michael Baker International, Inc.</b>	<i>Past Performance Evaluation Discipline(s)*</i>	Road, Environmental
<i>Project name</i>	<b>S.R. 15 Improvements</b>	<i>Firm responsibility (prime or sub)?</i>	Prime
<i>Project number</i>	MBI-NES 2018	<i>Owner's name</i>	Mississippi Department of Transportation
<i>Project location</i>	Jackson, MS	<i>Owner's Project Manager</i>	Adam Johnson
<i>Owner's address, phone, email</i>	401 North West Street, P.O. Box 1850, Jackson, MS 3921; 601.359.7920; ajohnson@mdot.ms.gov		
<i>Services commenced by this firm (mm/yy)</i>	06/21	<i>Total consultant contract cost (\$1,000's)</i>	\$59
<i>Services completed by this firm (mm/yy)</i>	03/22	<i>Cost of consultant services provided by this firm (\$1,000's)</i>	\$59

### RELEVANT EXPERIENCE

- Project Management
- Existing Studies Review
- Environmental Resources Investigations
- GIS Mapping
- Alternatives Analyses
- Cost Estimates
- Stakeholder and Agency Coordination
- Wetland and Other Water Delineations
- Habitat Assessments
- Section 404 Permit Documentation
- Extensive Public Outreach

### KEY STAFF

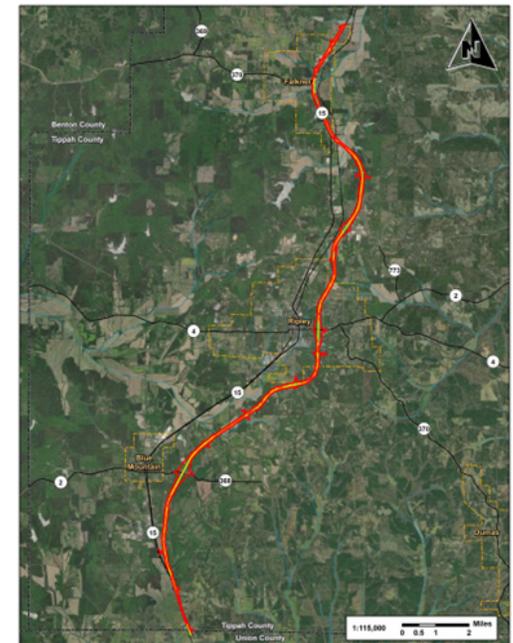
TJ Holliday, PWS  
Elizabeth Brock  
Stephen Martin

**PROJECT MANAGEMENT** - The Mississippi DOT proposed a new alignment along with upgrades to existing portions of S.R. 15 in Tippah County. Michael Baker completed a Wetland and Other Waters of the U.S. assessment and report to assist with regulatory agency permitting requirements. Michael Baker performed the wetland services under a Statewide Natural Environment Services On-Call contract.

The project includes approximately 22 miles of new location and improvements to S.R. 15, beginning at the Union/Tippah County line and extending to just north of the town of Falkner. The project includes intersection improvements with major roadways as well as a bypass around the towns of Blue Mountain and Ripley.

**ENVIRONMENTAL TASKS** - As an initial phase of the project, Michael Baker compiled available information about the project and project area, including color infrared photography, soil surveys, design plans, and readily available GIS data. Michael Baker then conducted site investigations of the project area to delineate wetlands and other waters of the U.S., completed data forms, and took representative photographs of identified resources.

**RESULTS** - The purpose of the project was to evaluate impacts to wetlands and other waters of the U.S. Based on the data analysis and field investigations, Michael Baker prepared a findings report describing project impacts to meet Section 404 permitting requirements.



Firm name	Michael Baker International, Inc.	Past Performance Evaluation Discipline(s)*	Road, Environmental
Project name	S.R. 601 Canal Road Wetlands Assessment		Firm responsibility (prime or sub)? Prime
Project number	MBI-NES 2018	Owner's name	Mississippi Department of Transportation
Project location	Harrison County, MS	Owner's Project Manager	Adam Johnson
Owner's address, phone, email	P.O. Box 1850, Jackson, MS 39215   601-359-7920   Ajohnson@mdot.ms.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)	\$23
Services completed by this firm (mm/yy)	12/20	Cost of consultant services provided by this firm (\$1,000's)	\$23

### RELEVANT EXPERIENCE

- Project Management
- Existing Studies Review
- Environmental Resources Investigations
- GIS Mapping
- Wetland Delineations
- Regulatory Agency Coordination

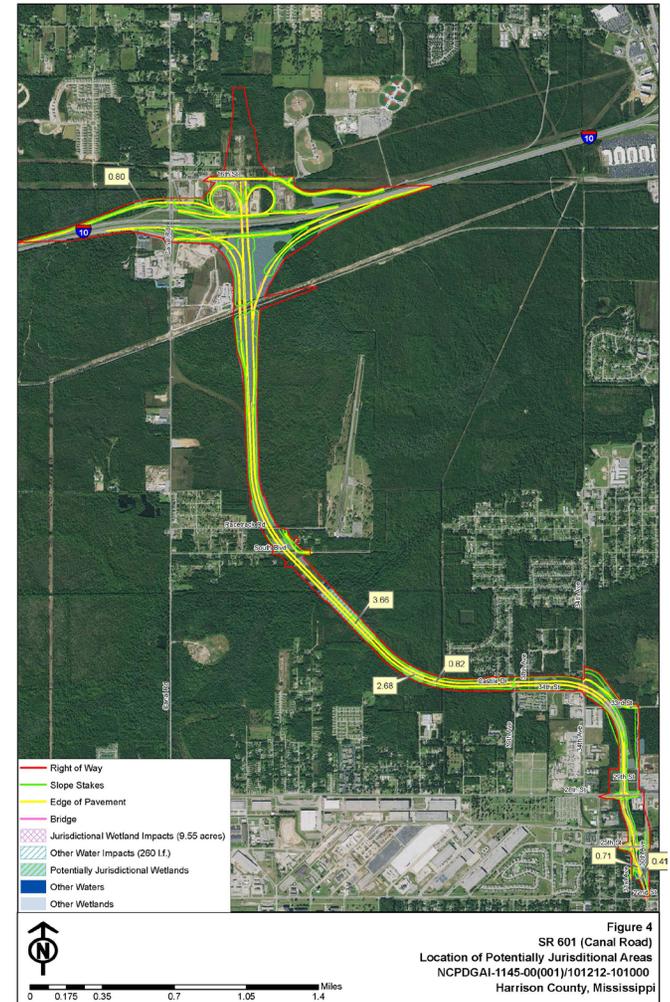
### KEY STAFF

TJ Holliday, PWS  
 Stephen Martin  
 Elizabeth Brock

**PROJECT MANAGEMENT** - Michael Baker provided engineering services to assess potential impacts to Wetlands and Other Waters resulting from the construction of a new road to connect southern Gulfport to I-10.

**ENVIRONMENTAL TASKS** - Michael Baker compiled and analyzed preliminary information regarding the project sites, including color infrared aerial photography, soil surveys, design plans for the roadway, and other readily available information. We then performed site investigations to delineate wetlands and other waters of the United States, completed data forms, and took representative photographs of identified resources.

**RESULTS** - Based on the data that was collected and compiled, Michael Baker prepared and submitted a draft findings report. We addressed review comments and incorporated them into a final report. These services were provided under a three-year master services contract to provide wetland and jurisdictional waters delineations.



Firm name	Southern Shores Engineering		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Golden Triangle Environmental Restoration		Firm responsibility (prime or sub)?	Subconsultant
Project number	PO-0163	Owner's name	Coastal Protection and Restoration Authority	
Project location	Orleans / St. Bernard Parishes	Owner's Project Manager	Vida Carver	
Owner's address, phone, email	150 Terrace Avenue, Baton Rouge, LA 70802, 225-342-2799, vida.carver@la.gov			
Services commenced by this firm (mm/yy)	07/20	Total consultant contract cost (\$1,000's)	\$950	
Services completed by this firm (mm/yy)	08/22	Cost of consultant services provided by this firm (\$1,000's)	\$688	

#### RELEVANT EXPERIENCE

- Coastal Engineering
- Conveyance Corridor Design
- Shoreline Stabilization
- Flood-Risk Reduction
- Construction S&I

#### KEY STAFF

Whitney Thompson  
John Darnall  
Christopher Paul



**PROJECT MANAGEMENT** - The Golden Triangle wetlands are an important natural buffer that is one of the multiple lines of defense protecting vulnerable communities in and around the city of New Orleans from storm surge. The goal was to restore wetland habitat and reduce wave erosion outside of the Inner Harbor Navigation Canal surge barrier.

**ENVIRONMENTAL TASKS** - **Whitney Thompson, P.E.**, led the data collection and engineering and design phases of this project as the Engineer of Record. Once the State of Louisiana was ready to put the project out for Bid, Southern Shores Engineering prepared the bid documents, assisted with bidding, and conducted construction administration and oversight for CPRA.

**Christopher Paul and John Darnall** were design engineers on the environmental design, permitting, and planning efforts. Field and data collections including the identification of a suitable borrow area within Lake Borgne were conducted utilizing a variety of remote sensing and in-situ investigations.

**RESULTS** - The final design of this project consisted of the creation of 780 acres of marsh, utilizing a borrow source within Lake Borgne. The design also included several pond features. SSE engineers developed the project layout, utilizing existing geomorphic features to design containment and facilitate wetland construction, focusing on the most degraded sections of marsh requiring restoration.



USACE photo. Inner Harbor Navigation Canal Lake Borgne Surge Barrier.

Firm name	Southern Shores Engineering		Past Performance Evaluation Discipline(s)*	Environmental, Planning	
Project name	Bayou Dularge Ecosystem Restoration			Firm responsibility (prime or sub)?	Subconsultant
Project number	TE-0170	Owner's name	Coastal Protection and Restoration Authority		
Project location	Terrebonne Parish		Owner's Project Manager	Todd Baker	
Owner's address, phone, email	150 Terrace Avenue, Baton Rouge, LA 70802, 225-342-4807, Todd.Baker@la.gov				
Services commenced by this firm (mm/yy)	07/22	Total consultant contract cost (\$1,000's)			\$200
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$21

#### RELEVANT EXPERIENCE

- Coastal Engineering
- Conveyance Corridor Design
- Borrow Area Design
- Flood-Risk Reduction
- Shoreline Stabilization

#### KEY STAFF

Whitney Thompson  
John Darnall  
Christopher Paul

**PROJECT MANAGEMENT** - Sigma Consulting Group, Inc. subcontracted SSE for planning, engineering, and design services of the Bayou Dularge Ecosystem Restoration Project. SSE's role was to lead dredging and equipment access design as well as performing independent technical review of marsh and coastal ridge habitat restoration features. Score protection and bank stabilization features were designed to mitigate impacts from the hydrologic control structure that were observed within the numerical models.

**ENVIRONMENTAL TASKS** - SSE collaborated with Sigma and the Owner to develop a borrow area and sediment conveyance corridor alternatives designed to minimize or eliminate impacts to camp residences and oyster leases in the area while maximizing dredging efficiency.

SSE also collaborated with Sigma and the Owner to develop shoreline and scour protection designs within Grand Pass. A hydrodynamic modeling study of the sheet pile wall structure was conducted by others, and results indicated several upstream and downstream eddies were generated as a result of reducing the cross-sectional area through Grand Pass. It was indicated that these eddies could potentially result in scour at the toe of the sheet pile structure and along the eastern and western banks of Grand Pass. Bank stabilization was addressed via a combination of rip-rap revetment and gabion mattresses.

The project will use borrow material from Lake Mechant to create and nourish 629 acres of marsh on the south side of Bayou Dularge; restore 21,500 LF of ridge along the southern bank line of Bayou Dularge; and reestablish historic hydrologic and salinity conditions by installing a structure that reduces the cross-sectional area and flow through Grand Pass and the saltwater intrusion into the project area.

**RESULTS** - SSE engineers assisted Sigma consulting with the final design of the project, including the development of Plans, Specifications, and the Engineer's Opinion of Probable Cost. This project was completed on-time and within budget.



<i>Firm name</i>	<b>Southern Shores Engineering</b>		<i>Past Performance Evaluation Discipline(s)*</i>		Environmental, Planning
<i>Project name</i>	<b>Proctor Point Ecosystem Restoration and Shoreline Stabilization Feasibility Study</b>			<i>Firm responsibility (prime or sub)?</i>	Subconsultant
<i>Project number</i>	N/A	<i>Owner's name</i>	Restoration Systems, LLC		
<i>Project location</i>	St. Bernard Parish		<i>Owner's Project Manager</i>	Worth Creech	
<i>Owner's address, phone, email</i>	1101 Haynes Street, Suite 211, Raleigh, NC 27604, 919-389-3888, worth@restorationsystems.com				
<i>Services commenced by this firm (mm/yy)</i>	03/21	<i>Total consultant contract cost (\$1,000's)</i>			\$4,000
<i>Services completed by this firm (mm/yy)</i>	11/21	<i>Cost of consultant services provided by this firm (\$1,000's)</i>			\$4,000

#### RELEVANT EXPERIENCE

- Coastal Engineering
- Marsh Design
- Vegetation Classification
- Shoreline Protection
- Land/Water Analysis
- Preliminary Cost Estimate

#### KEY STAFF

Whitney Thompson  
John Darnall  
Christopher Paul

**PROJECT MANAGEMENT** - In 2021, SSE was contracted by Restoration Systems to conduct a feasibility study for the Proctor Point Ecosystem Restoration and Shoreline Stabilization Project.

The Proctor Point wetlands are an important natural buffer that is one of the multiple lines of defense protecting vulnerable communities in and around the city of New Orleans from storm surge. It is one of the last remaining marsh areas adjacent to Lake Pontchartrain and Lake Borgne. The Proctor Point wetlands consist of brackish and saline marshes and serve as valuable habitat for wildlife, fish, and shellfish.



**ENVIRONMENTAL TASKS** - Specific goals of the feasibility study are to evaluate potential 1,000-acre marsh enhancement sites, identify potential existing borrow areas, conceptually estimate volume and cost to construct the project, and identify potential shoreline protection features. Additional tasks include evaluating water level, vegetation classifications, and wind and wave characteristics of the project area.

**RESULTS** - SSE evaluated the feasibility of multiple marsh creation areas and borrow areas throughout Proctor Point and Lake Borgne. Marsh creation area alternatives were proposed along Proctor Point and consisted of approximately 1,000 acre areas. In addition, approximately 16,500 LF of shoreline protection features were recommended along the Proctor Point shoreline.

**LEADERS IN ENVIRONMENTAL AND ENGINEERING SOLUTIONS**



**20+ years**

of LADOTD experience



**20th**

in Top Pure Designers  
by ENR



**3,600**

professional staff in  
100+ offices

**UNRIVALED EXPERIENCE**



**Full-service**  
multi-disciplined firm



**\$13M**

Successfully delivered  
IDIQ DOTD task orders



**2**

fully staffed offices  
located in Louisiana

**CONTRACT MANAGEMENT**

**APPROACH** | Our history successfully managing IDIQ contracts of similar size and scope to this solicitation is based on having a sound organizational and management structure, established management and quality policies and procedures, and a seasoned management team who have worked together on current and past IDIQ contracts—we bring the best resources to each assignment with no learning curve backed by successful past performance. Our approach focuses on our overall work management planning for task orders.

Michael Baker has an established program and project management system that enables us to successfully execute multiple, concurrent tasks regardless of location. This system enables us to provide DOTD with a fully functional team immediately after the IDIQ for environmental permitting and biological services contracts are awarded. Our successful management system includes:

- Principal with extensive DOTD contract execution and direct experience in delivering task orders similar to those anticipated under this IDIQ;
- Project manager with direct relevant technical experience and knowledge in project control processes and tools for task order execution;
- Resources available to meet all workloads, including surges, regardless of location;
- Clearly defined task order implementation and delivery processes; and
- Proactive partnering to define and meet needs.

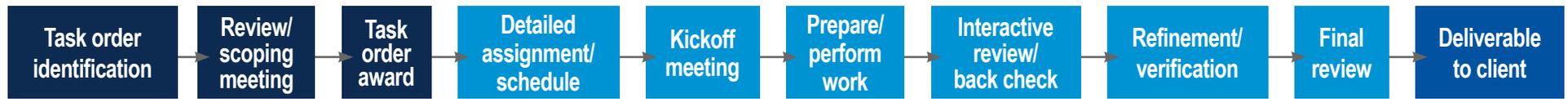
**DEVELOPMENT OF TASK ORDER SCOPE** | Once the task order has been issued, the Michael Baker team will collaborate to identify the project components and review the proposed project area. A detailed scoped of work will be developed and we will coordinate with DOTD to ensure that all project

elements and concerns are addressed and that the appropriate level of study and documentation is planned. A critical element of an effective work management plan is identification of the most qualified and effective personnel to execute the task order. While we have identified an experienced team capable of handling any task order anticipated under this contract, if needed we have experts throughout the company that could assist on technical matters should the need arise. Our project manager, **TJ Holliday, PWS**, has worked closely with Michael Baker offices throughout the company and will be able to draw upon a pool of personnel with demonstrated knowledge and experience conducting complex biological and other natural resource studies and providing environmental permitting services on transportation projects of all types and sizes.

The general steps we will take to approach tasks anticipated under this contract are outlined in our proposed project schedule, located on page 37. While each project is different and often requires adjustments to the project schedule, the steps outlined in our proposed schedule apply to many assignments such as those expected under this contract. Our experienced staff understands the importance of being proactive to stay apprised of regulatory requirement changes and staying flexible while navigating the regulatory permitting process. We will work closely with DOTD to ensure that the required project-specific issues are addressed and the appropriate level of documentation is produced to meet resource and regulatory agency rules and regulations.

**PERMITS** | We have assisted clients with regulatory compliance and permitting at the local, state, and federal levels. Our expertise includes stream and wetland permitting and restoration; hydrologic, hydraulic and water quality modeling; identification and design of BMPs for water quality and water quantity control; LID and green infrastructure; flooding analysis; and stormwater permit monitoring.

## TYPICAL TASK ORDER PROCESS



*Michael Baker's project controls provide a systematic method for managing multiple task orders simultaneously.*

Michael Baker staff has extensive Section 401 and 404 permitting experience, including Nationwide Permits (NWP) and Individual Permits (IP). As part of the permit process Michael Baker will review the engineering plans to evaluate the impacts to the site's aquatic resources and identify the necessary local, state, and federal permits. Michael Baker will assemble the permit application packet and submit it to DOTD for their approval and signature. Once DOTD has approved and signed the permit package it will be sent to the regulatory agencies for review. Michael Baker will coordinate with the regulatory agencies to develop a compensatory mitigation plan and will identify and coordinate with accredited mitigation banks within the appropriate watershed to secure the necessary mitigation credits. Michael Baker will coordinate with the regulatory and commenting agencies to secure the approved permits.

Our regulatory agency permitting staff are trained in the most up-to-date regulations and closely track changes to the Waters of the U.S. Rule from the U.S. Environmental Protection Agency (EPA) and the impacts to our clients.

**WETLAND DELINEATION/FINDINGS** | Michael Baker staff have successfully completed and submitted reports using the most recent Wetlands and Other Waters Assessment Report template following Regulatory Protocol. As an initial step in the wetland delineation, Michael Baker will first review the engineering design plans, U.S. Geological Survey (USGS) Topographical maps, GIS data, aerial and satellite photography, U.S. Department of Agriculture (USDA) Soil Survey data, National Wetland Inventory (NWI) data, and other resources to evaluate the potential for aquatic resources. A site visit will then be conducted to delineate the aquatic resources within the project area. This investigation will include the identification of wetland areas utilizing the Routine Wetland Determination Methodology as detailed in the USACE Wetland Delineation Manual (1987) and the Regional Supplement: Atlantic and Gulf Coastal Plain Region (2010). The boundaries of the wetlands will be identified and delineated utilizing the three-

parameter approach, which requires review of the vegetative community, soil conditions, and hydrologic indicators. Adjacent non-wetland areas will also be examined for comparison. Wetlands will be classified in accordance with the USFWS' Classification of Wetlands and Deep-Water Habitats in the United States (Cowardin, et al., 1979). Jurisdictional stream resources will also be identified. Jurisdictional limits will be recorded in the field using GPS. Location data collected in the field will then be imported into a GIS format to map and quantify the jurisdictional areas. The engineering design plans will then be incorporated into the GIS mapping to evaluate the potential project impacts.

**BIOLOGICAL ASSESSMENTS & SURVEYS** | Our proposed team for this contract is made up of environmental specialists who have experience with:

- a. T/E Species services and surveys with appropriate coordination with the USFWS and the Louisiana Department of Wildlife and Fisheries (LDWF);
- b. Designated critical habitat through coordination with USFWS and LDWF;
- c. "Suitable Habitat" through coordination with USFWS and LDWF;
- d. Reviewing engineering design plans, USGS Topographical maps, GIS data, aerial and satellite photography, USDA Soil Survey data, NWI data, and other resources to analyze and evaluate impacts to listed species;
- e. Conducting presence/absence surveys for T/ES and habitats when required;
- f. Conducting field work, delineating and documenting the preliminary assessments for actual impacts by evaluating habitats, soil morphology and characteristics, landscape features, wildlife, and any other characteristics contributing to the presence of T/ES;
- g. GPS and CADD to document field findings;
- h. Biological Assessments and other documentation as required under Section 7 of the ESA; and
- i. Biological Monitoring as required by regulatory agencies and when requested by DOTD;

**COORDINATION** | We regularly coordinate with local, state, and federal departments and agencies for permitting requirements on transportation projects of all types. We have also been closely tracking changes to the recent Waters of the U.S. Rule from the EPA and identifying the impacts the rule change could have to our customers.

**FIELDWORK & REPORTS** | Michael Baker’s fieldwork and reporting services include wetland and other waters of the U.S. delineation and Section 401/404 Permit coordination, T/E species survey and habitat assessments for Section 7, coastal zone impacts, floodplain impacts, and levee aboard coordination.

<b>Common Constraints &amp; Mitigation Strategies</b>		
<i>Constraint</i>	<i>Potential Risk to Project</i>	<i>Risk Mitigation Strategy</i>
<i>Varying Regulatory Requirements</i>	<ul style="list-style-type: none"> <li>■ <b>Schedule, Cost, and Quality:</b> Regulatory requirements for multiple districts served by one task order create inconsistencies that pose risk to schedule, cost, and quality when the requirements vary by location</li> </ul>	<ul style="list-style-type: none"> <li>■ Fence budget for regulatory review and impacts analysis early in project planning</li> <li>■ Use a team composed of personnel and QA/QC reviewers in each location</li> <li>■ Develop consistent project templates with parish- or state-specific sections where required</li> </ul>
<i>Expedited Schedules Required by Regulator, Consent Decree, or Environmental Program Deadlines</i>	<ul style="list-style-type: none"> <li>■ <b>Schedule:</b> Any minor delay in a task may throw off the ability to meet the entire project schedule</li> <li>■ <b>Cost:</b> Increased costs associated with rushed turn-around times required from subcontractors and laboratories</li> <li>■ <b>Quality:</b> Decrease in quality caused by compressed document preparation and review schedules</li> </ul>	<ul style="list-style-type: none"> <li>■ Use a team of senior personnel or Subject Matter Experts with the least required learning curve</li> <li>■ Use separate data collection, deliverable, and review teams that can conduct tasks concurrently and with minimal transition time</li> <li>■ Conduct frequent status meetings to drive schedule with project team, including subcontractors</li> </ul>
<i>Diverse Stakeholders or Audience for Project Deliverables</i>	<ul style="list-style-type: none"> <li>■ <b>Cost and schedule:</b> If deliverables are not tailored to end-users (e.g., operational personnel responsible for job-related aspects of environmental compliance) and require re-work</li> <li>■ <b>Quality:</b> Impacts to deliverables usefulness if deliverables are not tailored to end users</li> </ul>	<ul style="list-style-type: none"> <li>■ Coordinate closely with customers in planning process to ensure adequate understanding of end-users</li> <li>■ Integrate end-user representative into project planning and draft deliverables reviews</li> </ul>

*DOTD will benefit from our team’s proactive, complex environmental compliance, including strategy development, plans, data gathering, analysis, evaluations, studies, designs, and permitting action support.*

## SCHEDULE

Michael Baker has drafted a schedule with all the tasks required to satisfy DOTD's environmental permitting and biological services requirements.

<b>Task</b>	<b>Duration</b>
Notice to Proceed	1 Day
Project Setup and Coordination	1 Week
Kickoff meeting with DOTD	1 Day
Internal Team Meetings (weekly throughout project duration)	12 Months
Preliminary Data Collection (NWI, Soils, Topo, Species, etc.)	1 Month
Field Studies (Wetlands, Habitat Surveys)	1 Month
Resource/Regulatory Agency Coordination	1 Month
Draft Technical Reports	1 Month
Submit Draft Technical Reports to DOTD for Review/Comment	2 Weeks
Assemble Permit Application Packets	2 Weeks
Submit Permit Application Packets	2 Weeks
Mitigation Coordination	2 Weeks
Project Management	

19. Workload

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**	
<b>Michael Baker</b> INTERNATIONAL	CE&I	Contract No. 4400025536 S.P. No. H.013997	IDIQ Contract for CE&I Services, District 61, Local Road over Borrow Pit (Blind RV BT LNCH), St. James Parish	\$363,114	
		Contract No. 4400013841	IDIQ Contract for CE&I Services for Safety Projects, Statewide		
		Task Order No. H.012473.6 S.P. No. H.012473.6; F.A.P. No. H012473	Marconi Dr. Shared-Use Path	\$5	
		Contract No. 4400014845	IDIQ Contract for CE&I Services, Statewide		
		Task Order No. H.012018.6 S.P. No. H.012018.6; F.A.P. No. H012018	Adaptive Traffic Signal and Implementation, Lafayette Parish	\$231,573	
		Task Order No. H.0003184.6 S.P. No. H.003184.6	I-10: Texas State Line - E. of Coone Gully, Calcasieu Parish	\$434,492	
		Task Order No. H.013959.6 S.P. No. H.013959.6; F.A.P. No. H013959	Reeds Bridge Road over Calcasieu River Relief, Calcasieu Parish	\$304,327	
		Contract No. 4400013851	IDIQ Contract for CE&I Services for Safety Projects, Statewide		
		Task Order No. H.013271.6 S.P. No. H0.013271.6; F.A.P. No. H.013271	Tangipahoa PH Local Road Safety Upgrade, Tangipahoa Parish	\$5	
		Task Order No. H.009308.6 S.P. No. H.009308.6; F.A.P. No. H009308	New Orleans DPW SRTS Sidewalk Project	\$28,608	
		Task Order No. H.012527.6 S.P. No. H.012527.6; F.A.P. No. H012527	Local Road Safety Upgrade (W. Feliciana), West Feliciana Parish	\$60,084	
		Task Order No. H.013082.6 S.P. No. H.013082.6; F.A.P. No. H013082	Bootlegger Road Sidewalks, St. Tammany Parish	\$45,880	
		ITS	Contract No. 4400014845	IDIQ Contract for CE&I Services, Statewide	
	S.P. No. H.012381.6		Fiber Optic Mapping and Management Statewide, Calcasieu Parish	\$24,673	
	Contract No. 4400011253 S.P. No. H.011500.6		Retainer Contract for ITS, Lake Charles ITS Phase 3	\$60,473	
	Contract No. 4400024424 S.P. No. H.013256	I-10 ITS Scott to Lake Charles	\$69,824		
	Road/Bridge	Contract No. 4400025026 S.P. No. H.015338; F.A.P. No. H015338	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program – District 07, Supplemental Agreement No. 1		
		Contract No. 4400021519 S.P. No. H.012030.5; F.A.P. No. H012030	US 371: KCS RR Overpasses HBI	\$279,995	

19. Workload

Firm(s)	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**	
	Road	Contract No. 4400019379	LA 30: East Baton Rouge Parish Line to I-10	\$107,285	
	Bridge	S.P. No. H.013797		\$51,325	
	Environmental	F.A.P. No. H013797		\$199,243	
	Environmental	Contract No. 4400005484	New Orleans Rail Gateway EIS, New Orleans, Louisiana		
	Environmental	S.P. No. H.005168 F.A.P. No. DE-9208 (500)	Jefferson Highway EA, New Orleans, Louisiana Supplemental Agreement		\$651,241
	Environmental	S.P. No. H.005168	Avondale PEL Study, New Orleans		\$732,824
	Road		Louisiana Supplemental Agreement		\$36,618
	Other (Water Resource)	Contract No. 4400017067 Task Order No. 1	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 1		\$1,888,807
		Contract No. 4400017090	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 4		
		Task Order No. 2			\$666,577
		Task Order No. 3			\$187,388
		Contract No. 4400017092	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 6		
		Task Order No. 2			\$345,715
		Task Order No. 3			\$1,316,892
		Contract No. 4400023101	IDIQ Contract for Louisiana Watershed Initiative/ State Projects Program – Group 1		
Task Order No. 1 S.P. No. H.015040.1 & H.015041.1		Beauregard, Vernon, and St. Landry Parishes		\$393,909	
Task Order No. 2 S.P. No. H.015044.1	Beauregard, Vernon, and St. Landry Parishes		\$218,411		
Other (Aviation)	Contract No. 4400019130 Task Order No. 1	IDIQ Contract for Statewide Aviation Program Update – Phase II Statewide		\$4,980	
	-	Southern Shores does not currently have any DOTD contracts.		-	

20. **Certifications/Licenses:**

Per the advertisement, copies of licenses and certificates are not required to be submitted with the proposal.



***Society of Wetland Scientists  
Professional Certification Program, Inc***

renews the designation

## **Professional Wetland Scientist**

For

**Thomas J. Holliday**

In recognition of all the professional requirements approved by the Society of Wetland Scientists Certification Renewal Program, and verified by the Society's Certification Renewal Review Panel.  
Professional Wetland Scientist Number 2447 issued on 4/7/2014 and recertified on 10/25/2022.  
Due to recertify again by 4/7/2024.



Rob McInnes, PWS  
President

Pat Frost, PWS  
Certification Renewal Chair



# 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 Unified Certification Program (LAUCP)

## Southern Shores Engineering, LLC

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

**NC237990, NC541330, NC541618**

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

### **Certificate Eligibility: May 2023 to May 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:**

Per the advertisement, this section is to be left blank.

**22. Sub-consultant information:**

<i>Firm name</i>	<i>Address</i>	<i>Point of Contact and email address</i>	<i>Phone Number</i>
Southern Shores Engineering, LLC.	2251 Drusilla Lane, Suite D, Baton Rouge, LA 70809	Whitney C. Thompson, P.E., Principal WThompson@southernshoreseng.com	(225) 252-5544

**23. Location:**

Not Applicable.