



November 1, 2022

Department of Transportation and Development
1201 Capitol Access Road
Baton Rouge, LA

RE: Contract No. 4400025047, Contract for US 190 (Vine Street) Reconstruction (H.011358.2)

To Whom It May Concern,

ELOS Environmental, LLC and its subcontractors (ELOS Team) are pleased to present our qualifications to the Department of Transportation and Development (DOTD) to provide Professional Services for the proposed US 190 (Vine Street) Reconstruction project. The ELOS Team is a diverse group of qualified professionals with depth of experience regarding DOTD and transportation related infrastructure projects. If awarded this contract, the ELOS Team will draw from its depth of resources and experience with completing the studies and documentation required by the National Environmental Policy Act for federally funded projects, specifically as it pertains to Federal Highway Administration initiatives, to complete the required documentation within DOTD's expectations of timeframe and budget limitations.

Point of Contact for this Submittal:

Drake Arnone
President of Business Development
darnone@elosenv.com
C: 985-974-9875
O: 985-662-5501

Authorized Representative:


Lucas Watkins
President
lwatkins@elosenv.com
O: 985-662-5501

The ELOS Team is fully committed to providing the best service possible to DOTD. We appreciate the opportunity to submit our qualifications and look forward to working with DOTD on this initiative.

Respectfully,

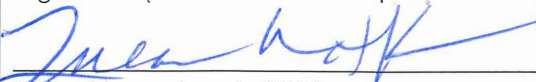
Lucas Watkins
President
ELOS Environmental, LLC

PROPOSAL TO PROVIDE CONSULTANT SERVICES

1. Contract title as shown in the advertisement	US 190 (VINE STREET) RECONSTRUCTION
2. Contract number(s) as shown in the advertisement	NO. 4400025047
3. State Project Number(s), if shown in the advertisement	NO. H.011358.2
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	 ELOS Environmental, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	N/A
6. Prime consultant mailing address	607 W. Morris Ave. Hammond, LA 70403
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	607 W. Morris Ave. Hammond, LA 70403
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Drake Arnone, President of Business Development, 985-662-5501, darnone@elosenv.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Lucas Watkins, President 985-662-5501, lwatkins@elosenv.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not	

retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Signature (shall be the same person as #9):



Date: November 1, 2022

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

Firm(s): Sustainable Design Solutions

Firm(s)' %: 6.85%

12. Past Performance Evaluation Discipline Table:

Sub-consultants are allowed to be used for this proposal. Fill in the table by identifying only those evaluation disciplines consistent with the approach and methodology proposed in Section 18 of the DOTD Form 24-102*, the name of each firm that is part of the proposal, and the percentage of work in each past performance evaluation discipline to be performed by that firm. The percentage estimated for each evaluation discipline is for evaluation purposes only and will not control the actual performance or payment of the work. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract. (Add rows and columns as needed)

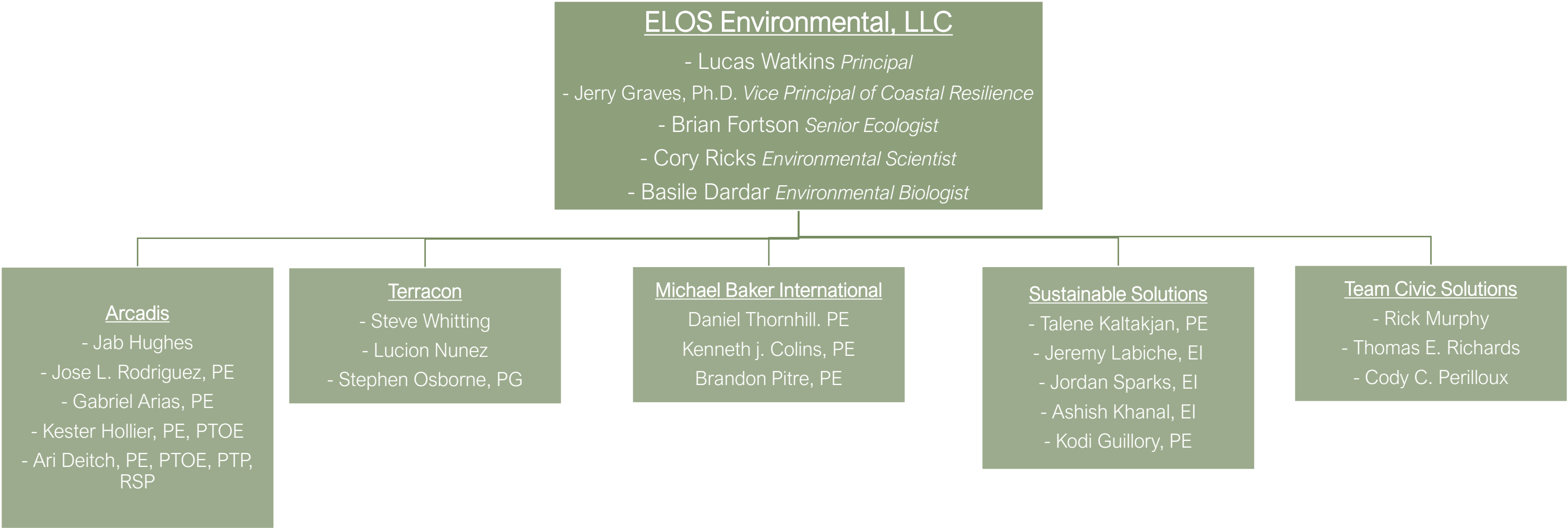
Evaluation Discipline(s)	% of Overall Contract	ELOS Environmental, LLC	Arcadis	Terracon	Michael Baker International	Sustainable Design Solutions	Team Civic Solutions	Each Discipline must total to 100%
Road	10%	1.00%	20.00%	0.00%	70.00%	9.00%	0.00%	100%
Traffic	5%	1.00%	19.00%	0.00%	0.00%	80.00%	0.00%	100%
CE&I/OV	5%	1.00%	40.00%	0.00%	50.00%	9.00%	0.00%	100%
Environmental	50%	60.00%	10.00%	20.00%	10.00%	0.00%	0.00%	100%
Data Collection	10%	40.00%	10.00%	20.00%	10.00%	10.00%	10.00%	100%
Planning	10%	10.00%	70.00%	10.00%	10.00%	0.00%	0.00%	100%
Right-of-Way	5%	10.00%	60.00%	10.00%	10.00%	10.00%	0.00%	100%
Appraiser	5%	1.00%	0.00%	0.00%	0.00%	0.00%	99.00%	100%
Percent of Contract	100%	35.75%	20.95%	13.50%	17.00%	6.85%	5.95%	-----

13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Biologist / Wetlands	2	10
	Environmental Professional	3	11
	Environmental Manager	1	2
	GIS Analyst	2	6
	Archaeologist	1	2
	Environmental Manager	1	4
	Environmental Pro	2	4
	Principal	1	4
	Engineer	5	8
	Supervisor Engineer	3	4
	Geologist	1	3
	Environmental Manager	2	15
	Principal	1	2
	Supervisor – Engineer	1	3
	Supervisor - Other	1	3
	Engineer	2	5
	Engineer Intern	2	4
	Engineer Other	1	5
	Engineering – Aide	1	3
	Environmental Pro	2	2
	Environmental Manager	1	1
	Biologist/Wetlands	2	4
	Historian	1	1
	GIS Analyst	1	3
	Senior Technician	1	5
	Technician	1	5
	Administrative	1	2
	Engineer Intern	2	4
	GIS Analyst	1	4
	Engineer	2	4

	Real Estate Appraisal Management Services	3	3
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14. Organizational Chart:



15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	Lucas Watkins		FHWA - NHI course No. 142005, "National Environmental Policy and Transportation Decision Making"	N/A	N/A
	Jerry Graves		FHWA - NHI course No. 142005, "National Environmental Policy and Transportation Decision Making"	N/A	N/A
2	Brian Fortson		U.S. Army Corps of Engineers Wetland Delineation	N/A	N/A
	Cory Ricks		U.S. Army Corps of Engineers Wetland Delineation	N/A	N/A
	Basile Dardar		U.S. Army Corps of Engineers Wetland Delineation	N/A	N/A
3	Jan Hughes		Intro to Section 106, Intro to Federal Projects & Historic Preservation Law, and Beyond Compliance	N/A	N/A
5	Jose L. Rodriguez, PE		PE / 30492	LA	03/31/2023
	Gabriel Arias, PE		PE / 42599	LA	09/30/2022
6	Kester Hollier, PE, PTOE		PE / 34304 PTOE / 3928	LA US	03/31/2023 11/2024
	Ari Deitch, PE, PTOE, PTP, RSP		PE / 41842 PTOE / 4346	LA US	03/31/2024 11/2023
5	Daniel Thornhill, PE		Professional Engineer Registered in the State of Louisiana / 0032367	LA	09-30-2024
	Kenneth J. Collins, PE		Professional Engineer Registered in the State of Louisiana / 0033109	US	09-30-2023
	Brandon Pitre, PE		Professional Engineer Registered in the State of Louisiana / 0040975	LA	03-31-2023

4	Rick Murphy		Louisiana State Certified General Real Estate Appraiser #0318	LA	NA
	Thomas E. Richards		Louisiana Bar Association	LA	NA
	Cody C. Perilloux		NA	NA	NA

16. Staff Experience:

Firm employed by		ELOS Environmental, LLC		Meets MPR No. 1
Name	Lucas Watkins		Years of relevant experience with this employer	16
Title	Principal / Environmental Scientist		Years of relevant experience with other employer(s)	6
Degree(s) / Years / Specialization			BS/ 2000 / Forest Management MS / 2005 / Biological Sciences	
Active registration number / state / expiration date			LDAF Certified Arborist, No. 19-1827	
Year registered	2010	Discipline	Arborist	
Contract role(s) / brief description of responsibilities			Mr. Watkins will serve as the principal (MPR #1), providing leadership, direction, senior-level oversight, and quality control for all aspects of the project.	
Experience dates	Experience and qualifications relevant to the proposed contract			
Lucas Watkins is the President and founding Principal of ELOS. His experience includes environmental regulatory compliance and project management. This includes the management of large-scale, multi-faceted projects, such as disaster recovery debris removal efforts, wetland restoration implementation, government grant management, and complex construction projects. His key strengths include wetland delineations, wetland permitting, wetland restoration, NEPA compliance, ASTM Phase I ESAs, stormwater management, FERC regulatory overview and guidance, endangered species surveys, and timber and forest management. He has substantial experience in permitting municipal infrastructure, levees, borrow pits, oil and gas exploration, productions, and transmission activities as well as working on other public and private sector environmental-related issues. Mr. Watkins works to ensure that ELOS acquires the best tools and techniques to guarantee efficient and cost-effective delivery of services to clients.				
09/20 – Ongoing	S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT EA (LADOTD, N-Y ASSOCIATES) Principal. Provided senior-level oversight and quality control for final reports. This project included a wetland delineation, section 404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.			
08/20 – Ongoing	S.P. H.013958, RURAL BRIDGE INITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.			
08/20 – 03/22	S.P. H.013959, RURAL BRIDGE INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER RELIEF (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.			
08/20 – 01/22	S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.			
08/20 – 09/21	S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.			

08/20 – 09/21	S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – 02/22	S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – Ongoing	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – Ongoing	S.P. H.013984, RURAL BRIDGE INITIATIVE – LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 09/21	S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/17 – 07/18	I-10 HIGHLAND LA 73 DESIGN-BUILD - EAST BATON ROUGE PARISH, LA TO ASCENSION PARISH, LA (LADOTD, SIGMA CONSULTING GROUP, INC.) Project Manager. Environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville.
03/14 – 06/17	LOUISIANA-3234 EXTENSION - TANGIPAHOA PARISH, LOUISIANA (LADOTD, N-Y ASSOCIATES INC.) Project Manager. Provided environmental services for LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs, and any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation.
04/20 - Ongoing	MOVE ASCENSION - ASCENSION PARISH, LOUISIANA (LADOTD, HNTB CORPORATION) Project Manager. Provided environmental services to support the engineering and design of projects for the Move Ascension Project in Ascension Parish. The project consisted of multiple roadway and intersection projects in which ELOS services included wetland delineations and permit applications for submittal to the U.S. Army Corps of Engineers and cultural resource evaluations.

Firm employed by			ELOS Environmental, LLC		Meets MPR No. 1	
Name	Jerry V. Graves, Ph.D.		Years of relevant experience with this employer		<1	
Title	Vice President of Coastal Resilience		Years of relevant experience with other employer(s)		19	
Degree(s) / Years / Specialization			PhD. / 2012 / Urban Studies MPA / 2007 / Hazard Policy BA / 2003 / Political Science			
Active registration number / state / expiration date			N/A			
Year registered	N/A		Discipline	N/A		
Contract role(s) / brief description of responsibilities			Mr. Graves will serve as a senior environmental scientist and project management planner.			
Experience dates		Experience and qualifications relevant to the proposed contract				
Jerry V. Graves specializes in project management, urban and environmental planning, and emergency management. Dr. Graves is an experienced hazard mitigation, resilience, and coastal restoration planner. He is also an experienced administrator who previously worked in the public sector for over a decade. Dr. Graves currently serves as the Vice President of Coastal Resilience at ELOS, where he provides a wide range of project management and consulting services to clients throughout the region.						
09/22 - Ongoing		LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES CONSULTING SERVICES - BATON ROUGE, LA. Serves as project manager for an agency-wide project funding strategy effort and writes grants for a variety of federal programs.				
01/16 - Ongoing		ST. BERNARD PARISH COASTAL PROGRAM CONSULTING - ST. BERNARD PARISH, LA. Serves as project manager for Graves Public Services (2016-2020), Arcadis (2020-2022), and ELOS (2022-currently), while supporting all coastal restoration planning, funding, and implementation efforts in St. Bernard Parish.				
08/22 - Ongoing		JEFFERSON PARISH COASTAL PROGRAM CONSULTING - JEFFERSON PARISH, LA. Serves as project manager in support of the parish's effort to develop a management and mitigation strategy for the sustainable redevelopment of Grand Isle, LA.				
01/20 – 07/22		CPRA ENVIRONMENTAL CONSULTING SERVICES - BATON ROUGE, LA. Served as project manager for Arcadis during the CPRA 2023 State Master Plan process and oversaw the development and implementation of the agency's construction cost estimation tool and project database.				
01/20 – 07/22		LOUISIANA WATERSHED INITIATIVE (LWI) PROGRAM CONSULTING - BATON ROUGE, LA. Served as project manager for Arcadis (sub-consultant to CSRS) during the development of the LWI Regional Planning Framework and Nonstructural Mitigation Program Alignment Guidance for State Agencies.				
01/21 – 07/22		FLORIDA DEPARTMENT OF ECONOMIC OPPORTUNITY (DEO) CDBG-MIT PROGRAM CONSULTING - TALLAHASSEE, FL. Served as project manager for Arcadis (sub-consultant to CRI) during the development and implementation of DEO's CDBG-MIT program.				
01/18 – 09/20		ST. BERNARD PORT, HARBOR, AND TERMINAL DISTRICT GRANT SERVICES - CHALMETTE, LA. Served as principal consultant (Graves Public Services) and provided funding strategy and grant writing services for port security and development projects.				



02/15 – 09/17	RAPIDES AREA PLANNING COMMISSION RESILIENCE PLAN - ALEXANDRIA, LA. Served as senior consultant (Graves Public Services) as a subcontractor to Frye-Magee to develop a comprehensive resilience plan for Rapides Parish.
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Firm employed by			ELOS Environmental, LLC		Meets MPR No. 2	
Name	Brian Fortson		Years of relevant experience with this employer		7	
Title	Senior Ecologist		Years of relevant experience with other employer(s)		30	
Degree(s) / Years / Specialization			Juris Doctorate/2006/Civil Cum Laude BS/1995/Wetland Ecology			
Active registration number / state / expiration date			N/A			
Year registered	N/A		Discipline		N/A	
Contract role(s) / brief description of responsibilities			Mr. Fortson will serve as the Senior Environmental Scientist and provide regulatory agency guidance. Brian's extensive knowledge of state and federal environmental regulations enables him to navigate the permitting process.			
Experience dates		Experience and qualifications relevant to the proposed contract				
<p>Mr. Fortson has 30+ years of environmental experience with permitting various complex developmental infrastructure projects. Mr. Fortson serves as a Senior Environmental Scientist at ELOS, working with regulatory agencies such as USDA, NRCS, FEMA, USACE, DNR, and LDEQ. Brian's knowledge of state and federal environmental regulations and years of experience enables him to navigate the permitting process. Mr. Fortson also provides senior guidance to the environmental scientists at ELOS on vegetation identification and threatened and endangered species surveys.</p>						
01/15 – 01/16		STATE PROJECT NO. STP-445-1(002), US 51 BUSINESS (LA 22 TO I-12) (LADOTD, N-Y ASSOCIATES) Senior Environmental Scientist. Mr. Fortson supervised and participated in field investigations to support wetland delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among natural resource agencies, consultation with landowners, and outreach to public groups.				
08/17 – 07/18		S.P. H.972275, LAND USE AND TRANSPORTATION STUDY HARRISON AVE EXT (LADOTD, PROFESSIONAL ENGINEERING CONSULTANTS CORP.) Senior Environmental Scientist. Assisted in the preparation of a DOTD Stage 0 Environmental Checklist for the extension of Harrison Avenue in Abita Springs from LA 59 to LA 36, a distance of 1.7 miles. Desktop and field data were collected to identify relevant resources in the project area. He assisted in the identification of land use, wetlands, community facilities, recreational assets, historic and cultural sites, and hazardous waste sites.				
09/17 – 02/21		S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT (LADOTD, N-Y ASSOCIATES) Senior Environmental Scientist. Responsible for the supervision of fieldwork, wetland delineations, biological surveys, wetland value assessments, and Section 404 application for three alternative alignments being studied for the extension of E. University Avenue from LA 1065 to the Hammond Airport.				
05/21 – 03/22		ST. TAMMANY TRACE BRIDGE REPLACEMENT Senior Environmental Scientist. Served as a Project Manager overseeing the permitting process, coordinating with regulatory agencies, and providing senior-level insight for the replacement of the Trace Bridge over Little Bayou Castine on Tammany Trace.				



Firm employed by		ELOS Environmental, LLC		Meets MPR No. 2	
Name	Cory Ricks		Years of relevant experience with this employer	6	
Title	Project Manager / Environmental Scientist		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			BS / 2015 / Biology		
Active registration number / state / expiration date			R-I-99273-17-01464		
Year registered	2017	Discipline	proActive Safety Services Renovator Initial		
Contract role(s) / brief description of responsibilities			Cory will serve as the Project Manager, providing his expertise for wetland delineations and jurisdictional determinations, as well as managing the collection of field data and the development of reports.		
Experience dates	Experience and qualifications relevant to the proposed contract				
Mr. Ricks serves as ELOS's wetland delineation specialist. Mr. Ricks has led wetland delineation efforts for multiple projects for local entities, mitigation banks, and infrastructure developments. He has provided assistance with NEPA documentation, permitting, GIS mapping, and cultural resources for a variety of projects. He currently manages a team of environmental scientists, field biologists, and data processors who all assist on a variety of environmental and disaster recovery projects.					
08/20 – Ongoing	S.P. H.013958, RURAL BRIDGE INITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.				
08/20 – 03/22	S.P. H.013959, RURAL BRIDGE INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER RELIEF (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.				
08/20 – 01/22	S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.				
08/20 – 09/21	S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.				
08/20 – 09/21	S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.				
08/20 – 02/22	S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.				

08/20 – Ongoing	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – Ongoing	S.P. H.013984, RURAL BRIDGE INITIATIVE – LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 09/21	S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
07/16 – Ongoing	S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT EA (LADOTD, N-Y ASSOCIATES) Environmental Scientist. Performed the wetland delineation for all three routes and provided a report of the findings. Provided assistance for GIS mapping of the Wetlands Findings Report, Phase 1 Environmental Assessment Survey, and the Biological Assessment Survey. Provided a report of the threatened and endangered species known in the project area. Lead efforts on providing stream and waterbody data for each report. This project included a wetland delineation, section 404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.
10/17 – Ongoing	MOVE ASCENSION TRANSPORTATION MASTER PLAN DEVELOPMENT AND IMPLEMENTATION Environmental Scientist. Conducted wetland delineations and managed field crews conducting delineations.

Firm employed by	ELOS Environmental, LLC			Meets MPR No. 2
Name	Basile Dardar		Years of relevant experience with this employer	1
Title	Biologist		Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			BS/2014/Biological Sciences	
Active registration number / state / expiration date			NA	
Year registered	NA	Discipline	NA	
Contract role(s) / brief description of responsibilities			Mr. Dardar will serve as the Environmental Biologist, providing his expertise for inspections, permitting, environmental surveying, developing reports, research, sampling, testing, and coordinating with agencies and clients.	
Experience dates	Experience and qualifications relevant to the proposed contract			
Mr. Dardar provides environmental expertise, accurate reporting, and a high degree of professionalism to every project. Mr. Dardar is also a certified oyster biologist, as well as a certified diver.				
08/20-08/22	S.P. H.013958, Rural Bridge Initiative – Carpenters Br Rd Over Whiskey Chitto CR (LADOTD, Burk-Kleinpeter, Inc.) Mr. Dardar provided environmental biology consulting for the bridge replacement project, which included a wetland delineation, permit applications, and a threatened and endangered species survey.			
08/20 – 03/22	S.P. H.013959, Rural Bridge Initiative – Reeds Bridge Road Over Calcasieu River Relief (LADOTD, Burk-Kleinpeter, Inc.) Mr. Dardar served as an environmental biologist for the bridge replacement project, which included a wetland delineation, permit applications, and a threatened and endangered species survey.			
08/20 – 02/22	S.P. H.013970, Rural Bridge Initiative – LA 717: Klondike Canal and Bayou Bridges (LADOTD, Burk-Kleinpeter, Inc.) Mr. Dardar served as an Environmental Biologist for the bridge replacement project, which included a wetland delineation, permit applications, and a threatened and endangered species survey.			
07/22-Ongoing	St. Tammany Parish Lake Road Mr. Dardar serves as an environmental biologist for the bridge replacement project, which includes collecting data and documentation, impact analysis, solicitation of views (SOV), preparing a document DOTD and federal highway administration (FHWA) compliant categorical exclusion (CE), conducting a wetland delineation, and obtaining USCG and scenic rivers permits. He assists with all field work and assisting for report preparation.			
04/22- Ongoing	S.P. H.01362 Yellow Water Road Bridge Mr. Dardar serves as an environmental biologist for the bridge replacement project, which includes floodplain, recreational, cultural/historic, wildlife impacts desktop analysis, USACE permits, wetland delineation and jurisdictional determination, threatened and endangered species, solicitation of views, and categorical exclusion checklist. He assists with all field work and report preparation.			


Firm employed by				Meets MPR No. 5	
Name	Jose L. Rodriguez, PE		Years of relevant experience with this employer	1	
Title	Senior Civil Engineer		Years of relevant experience with other employer(s)	24	
Degree(s) / Years / Specialization			BS / 1992 / Civil Engineering, University of New Orleans		
Active registration number / state / expiration date			PE.0030492 / LA / Exp. 03/2023		
Year registered	2003	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Roadway Design Lead		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Mr. Rodriguez has more than 25 years of experience with roles of progressive responsibility as a civil engineer performing roadway design, bridge design, project management, hydraulic analysis, utility coordination, construction supervision, estimating, and project implementation for various clients in Louisiana, Texas, Georgia, and North Carolina. Jose has worked in close relationship with the Federal Highway Administration (FHWA), U.S. Army Corps of Engineers, Louisiana Department of Transportation (LADOTD), local parish governments, and regional planning commissions. He has extensive experience with Bentley Inroads, Autodesk Civil 3d, and Leap Bridge for Concrete Bridge Design. Served on the American Concrete Institute (ACI) Louisiana Board, becoming president of the Louisiana Chapter in 2010 and remains active in the organization.</p>			
02/07 – 10/09		<p>LADOTD, John James Audubon Bridge Approach (Design-Build), New Roads, LA. Project Designer. Responsible for the <i>geometric horizontal and vertical alignment</i> for five approach bridges to the John James Audubon Cable Stay Bridge. The longest cable-stayed bridge in the Western Hemisphere consisting of 1,583' main span. Jose was also in charge of the quality control for all bridge approaches and the design of all precast concrete girders for the project.</p>			
01/06 – 09/09		<p>LADOTD / New Orleans Regional Planning Commission, New Orleans Submerged Roadway Program Management, New Orleans, LA. Project Designer and Quality Control Reviewer. For this multi-million dollar program management team for the DOTD and the FHWA. Jose helped develop design guidelines and processes for the standardization of engineering work for the repair of roadways damaged by Hurricane Katrina in the City of New Orleans and other parishes. Responsible for conducting quality control reviews on roadway plans prepared by other engineering firms for compliance with DOTD and FHWA design standards.</p>			
02/10 – 06/11		<p>LADOTD, I-10 from Veterans to Clearview, Metairie, LA. Project Designer. Responsible for <i>roadway plan preparation</i> for widening 1.2 miles of I-10 from three lanes to five lanes in each direction. The project also included bridge work to accommodate the interstate widening. Jose was also responsible for the alignment and <i>design of concrete sound walls</i> along the corridor. He helped implement an innovative two-sided concrete stamp process for the noise wall precast concrete panels.</p>			
05/12 – 12/15		<p>LADOTD, Earhart Boulevard-Causeway Interchange, New Orleans, LA. Project Designer. Responsible for the <i>geometric design and roadway plan preparation</i> for the Earhart Boulevard-Causeway Interchange. The Earhart Boulevard Causeway Interchange purpose was to assist in traffic congestion relief for the east-west flow of traffic for the New Orleans Metro Area. It consisted of the development of roadway and bridge ramps for the creation of an <i>elevated signal-controlled interchange</i>. Responsible for development of all horizontal and vertical alignments for this project as well as roadway plan preparation, developing all roadway cross sections, drainage design, utility conflict resolution and cost estimating for the project.</p>			

07/09 – 07/15	LADOTD, Peters Road Expansion, Phases I-III, Plaquemines, LA. <i>Project Designer.</i> Responsible for the geometric design , plan preparation and wetland delineation of Peters Road Phases I, II and III. The projects consisted of a new roadway, elevated crossing over the Intracoastal Waterway, approach roadways in Jefferson and Plaquemines Parishes to tie Peters Road to Louisiana 23 near Barrier Road. The projects were prepared in coordination with Plaquemines Parish, DOTD and the U.S. Army Corps of Engineers.
06/04 – 01/11	LADOTD, Causeway Boulevard Interchange Improvements Phases I and II, Metairie, LA. <i>Project Designer.</i> This project consisted of widening Causeway Boulevard elevated structure at Veterans Boulevard and the construction of new at-grade and elevated ramps to provide better accesses, improve safety and ease congestion at this heavily traveled interchange. Responsible for evaluating existing girders, the design of new precast concrete girders and the roadway plan preparation for this project. Also, responsible for evaluating and design of new sewer and water lines for the project as well as coordinating the removal and replacement of all utilities affected by the new roadways and/or structure foundations.
01/08 – 05/08	LADOTD, I-12 to Bush Corridor Study Phase III (EIS), St. Tammany Parish, LA. <i>Project Designer.</i> Responsible for evaluating environmental issues and developing design alternatives in accordance with the National Environmental Policy Act (NEPA) for transportation improvements.
01/20 – 05/20	North Carolina DOT, NC Highway 73 (NC 73) Widening, Mecklenburg County, North Carolina. <i>Project Engineer.</i> Responsible for the Temporary Traffic Control Plan preparation for the widening of NC 73. A principal arterial roadway, NC 73 was widened from a two-lane undivided roadway into a four-lane divided highway with a 30-foot wide median. The project presented many challenges due to the high traffic volumes, time restrictions for lane closures, and all NASCAR events at Charlotte Motor Speedway for the duration of the project. To mitigate traffic disruption and enhance roadway safety, assisted in preparing the Transportation Operation Plans and sequence of construction for the project. All design work was performed following NCDOT and the latest MUTCD standards.
03/19 – 05/20	Eastern Federal Lands Highway Division (EFLHD), Puerto Rico. <i>Assessment Roadway Lead.</i> Responsible for the review, report preparation, and coordination for the repairs of over 70 roadway sites damaged by Hurricane Maria. Provided technical assistance to local engineering firms to ensure the project stayed within the client's guidance and strict schedules.
04/18 – 09/20	Texas Central Railway, Texas High-Speed Rail, Dallas to Houston, Texas. <i>Project Designer.</i> Assisted with establishing flood elevations for the alignment of over 240 miles of rail tracts. Also responsible for the realignment of at-grade roadways impacted by the High-Speed rail.
10/17 – 03/18	Yuhuang Chemical Inc., Traffic Turn Lanes on Highway LA 3127, St. James, LA. <i>Quality Control (QC).</i> Review for the design of two turn lanes into the Yuhuang Chemical Methanol plant in St. James, Louisiana. During construction, Jose provided the owner with construction design services for the duration of the construction phase.
12/15 – 01/16	City of New Orleans, Magnolia Ridge Levee Project, St. Charles Parish, LA. <i>Quality Control (QC).</i> QC review and plan preparation for the Magnolia Ridge Levee project for St. Charles Parish.



Firm employed by				Meets MPR No. 3	
Name	Jan Hughes		Years of relevant experience with this employer	>1	
Title	Senior NEPA Specialist		Years of relevant experience with other employer(s)	25	
Degree(s) / Years / Specialization			BA, Anthropology, Louisiana State University, 1984		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities.			Senior NEPA Specialist		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Jan has 25 years of experience with the LADOTD Environmental Section preparing and overseeing analyses and documentation in compliance with the National Environmental Policy Act (NEPA), Section 106 of the National Historic Preservation Act, and Section 4(f) of the U.S. DOT Act. She oversaw consultant work on environmentally complex projects, including establishing and negotiating consultant environmental work effort and preparation of Environmental Impact Statements. She coordinated with federal, state, and local agencies as needed on projects as well as on other issues. She conducted public meetings, hearings, and other public involvement activities. In addition to the projects listed below, throughout her career, Jan has prepared and provided oversight for numerous Environmental staff and consultant prepared Environmental Assessments, Categorical Exclusions, and Re-evaluations of approved environmental documents. Training includes NEPA and Section 4(f), Section 106, Wetland Delineation, Endangered Species Act, Title VI/Environmental Justice, Environmental Streamlining and Stewardship, and Context Sensitive Solutions.</p>			
07/15 - 02/19*		<p>I-49 South, I-10 to Lafayette Regional Airport, Route US 90/US 167, Supplemental Environmental Impact Statement (SEIS), LADOTD, Lafayette Parish, LA. SEIS and follow-up to commitments made in the 2003 Record of Decision for the upgrade of this 5-mile portion of US 90/US 167 in urban Lafayette to a six-lane facility with frontage roads meeting interstate standards. Responsibilities included negotiating the consultant environmental work effort, carrying out the SEIS initiation process and re-initiation of Section 106 of the National Historic Preservation Act process, and oversight of consultant environmental work that includes extensive public involvement, updates to the standing structures survey and archaeology commitments, and follow-up to other commitments.</p>			
01/15 - 02/19*		<p>Inner Loop Extension (LA 3132), E. Flournoy Lucas Rd (LA 523) to Future I-69 Corridor, Environmental Assessment, LADOTD and City of Shreveport, Caddo Parish, LA. Extension of the Inner Loop on new alignment as a four-lane control of access facility from LA 523 to Future I-69 with interchanges and upgrades to adjacent roadways. Responsibilities included oversight of the environmental process and consultant preparation of the Environmental Assessment.</p>			
01/11 – 05/15		<p>Bayou Teche Bridge at Oaklawn, Route LA 323, Categorical Exclusion Re-evaluation, LADOTD, St. Mary Parish, LA. Replacement of this one lane, swing span bridge built in 1942 with a two-lane bridge on existing alignment. The bridge was determined eligible for the National Register of Historic Places. Responsibilities included handling the Section 106 Consulting Parties process, preparation of the re-evaluation document, and preparation of the Section 106 Memorandum of Agreement and Programmatic</p>			

	Section 4(f) Statement for the adverse impact to the bridge, as well as the marketing and draft agreement for LADOTD's first ownership transfer of a historic bridge to another entity for alternative use.
04/01 - 12/06	I-49 South, Wax Lake Outlet to Berwick, Route US 90, Environmental Impact Statement, LADOTD, St. Mary Parish, LA. Upgrade of this 9.3-mile portion of US 90 to a four-lane facility with frontage roads meeting interstate standards. Responsibilities included oversight of the environmental process and consultant preparation of the environmental document.
04/01 - 10/05	I-49 South, Lafayette Regional Airport to LA 88, Route US 90, Environmental Impact Statement, LADOTD, Iberia/Lafayette/St. Martin Parishes, LA. Upgrade of this 10.8-mile portion of US 90 to a six-lane facility with frontage roads meeting interstate standards. Responsibilities included oversight of the environmental process and consultant preparation of the environmental document.
03/02 - 03/05	Huey P. Long Bridge, Route US 90, Environmental Assessment, LADOTD, Jefferson Parish, LA. Widening of the highway portions of this highway/railroad bridge from two 9-foot-wide lanes to three 11-foot-wide lanes. The bridge, built in the 1930s, was determined eligible for the National Register of Historic Places. Responsibilities included negotiating the consultant environmental work effort, oversight of the environmental process, coordination with the U.S. Coast Guard, New Orleans Public Belt Railroad, and Louisiana State Historic Preservation Officer, preparation of a Section 106 Memorandum of Agreement for the adverse impact to this historic bridge, and overseeing consultant preparation of the environmental document.
01/15 - 12/01	Inner Loop Extension (LA 3132), Ellerbe Road to Flournoy Lucas Road, Environmental Assessment, LADOTD and City of Shreveport, LA, Caddo Parish. Extension of the Inner Loop on new alignment as a four-lane control of access facility with interchanges and upgrade of adjacent roadways. Responsibilities included oversight of the environmental process and consultant preparation of the Environmental Assessment.
02/94 - 08/98	Airline Highway (US 61), Florida Boulevard to Just North of Jefferson Hwy., Environmental Assessment, LADOTD, East Baton Rouge Parish, LA. Widening of this approximately 3.5-mile portion of Airline Highway from four lanes to six lanes. Responsibilities included handling the environmental process and preparing the Environmental Assessment and Programmatic 4(f) Statement for right-of-way impacts to an adjacent publicly owned park.


*Until retirement from LADOTD in February 2019.

Firm employed by			ARCADIS		Meets MPR No. 5	
Name	Gabriel Arias, PE			Years of relevant experience with this employer	<1	
Title	Roadway Engineer			Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization				BS / 2013 / Civil Engineering, Auburn University		
Active registration number / state / expiration date				Professional Engineer – PE. 0042599 / LA / Exp. 09/2022		
Year registered	2018		Discipline	Civil Engineer		
Contract role(s) / brief description of responsibilities.				Roadway Design		
Experience dates		Experience and qualifications relevant to the proposed contract				
		Mr. Arias has more than eight years' experience performing complex geometric design on roadway including H&V alignment, hydraulic design CDP's and open ditches, turn lane design, striping/signage, structural design analysis and QC, traffic management plans, and roadway plan production.				
06/16 – 02/17		LA 435 to LA 40/LA 41, LADOTD, St. Tammany Parish, LA. Project Engineer. The project calls for the construction of a new four-lane highway connecting I-12 to Bush, Louisiana, in St. Tammany Parish. The new roadway is approximately 19.8 miles in length and begins at LA 434, north of the existing LA 434 interchange with I-12, and traverses in a northeasterly direction until encountering an abandoned rail corridor. It then follows the rail corridor terminating at the LA 21/LA 41 intersections near Bush, Louisiana. Assisted with roadway geometric design including H&V alignment, hydraulic design for storm drains, CDP's and open ditches, structural design analysis and QC, Traffic management plans and roadway plan production for the new 5.5 mile 4-lane RA-3 roadway from LA 435 to Bush, LA.				
07/13 – 06/16		Bayou Mercier Road/Berard Canal Bayou, LADOTD, St. Martin Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a quad-beam concrete structure.				
07/13 – 02/17		Derrick Road Bridge, LADOTD, Iberville Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.				
07/13 – 02/17		Jude & Placide Road Bridges, LADOTD, Vermilion Parish, LA. Project Engineer. Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridges timber structures with slab span, concrete structures.				
07/13 – 10/16		City of Thibodaux Overlay Projects, LADOTD, Lafourche Parish, LA. Project Engineer. Project required chip sealing, joint & crack sealing, resurfacing and complete pavement replacement for four separate locations in the city of Thibodaux, LA. The goal was to prolong the life of the existing pavements by preventing future deterioration and/or rehabilitating the existing pavements. Assisted with roadway geometric design including horizontal alignments, selection of treatment type for pavements, hydraulic design for storm drains, CDP's and open ditches and roadway plan production.				


09/13 – 02/17	Pecan Island Road Bridge Over The Chenal, LADOTD, Pointe Coupee Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a customized slab span, concrete structure.
07/13 – 02/17	Gracie Lane Bridge, LADOTD, Iberville Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
04/14 – 02/17	Lajaunie Rd/Lateral 1 Bayou St. LADOTD, Clair, Lafayette Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
11/15 – 02/17	Babin Rd./Bayou Narcisse, LADOTD, Ascension Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis and roadway design for the replacement of the existing off-system bridge timber structure with a slab span, concrete structure.
10/18 – 11/19	I-10 to Loyola Dr. Interchange, Jefferson Parish, LA. <i>Project Engineer.</i> Proposal effort for adapting the interchange at Loyola Drive to handle traffic flowing to and from the new passenger terminal at Louis Armstrong International Airport. Assisted with roadway geometric design, QC, and Plan production for proposal.
06/18 – 10/19	Mid-Barataria Diversion Design, Plaquemines Parish, LA. <i>Project Engineer.</i> Planning, engineering and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Assisted with detour roadway alignment creation/selection, TTC planning, and roadway plan preparation.
09/13 – 02/17	West 15th Avenue/Mile Branch, City of Covington, St. Tammany Parish, LA. <i>Project Engineer.</i> Performed topographic field surveying and assisted with bridge design, hydraulic analysis, and roadway design for the replacement of the existing bridge timber structure with a customized slab span, concrete structure. Included an integral pedestrian/bicycle path and custom barrier to separate pedestrians and vehicles.
02/18 – 04/18	US 377 Cresson Relief Route, TXDOT, TX. <i>Project Engineer.</i> TXDOT will construct a three-mile relief route west of the city of Cresson. The relief route will be a new four-lane divided highway on US 377 beginning one mile south of the intersection of US 377 and SH 171 and ending one mile north of the same intersection. Assisted with plan creation including H&V alignment review, TTC plans, construction quantity estimation and roadway plan production for the realigned roadway.
06/17 – 10/17	Hwy 270 Widening Connecting Arkansas Program (CAP), CA0607, Garland County, AR. <i>Project Engineer.</i> Contracted by AHTD, as part of their Connecting Arkansas Program (CAP), to assist with the design of widening approximately three miles of Hwy 270 in Garland County. The proposed roadway is 4 lanes with a painted median from Hwy 270 to Black Snake Road, then 5 lanes curb & gutter from Black Snake Road to Hwy 227. Responsibilities include the drainage design and plan production, wetland delineation and maintenance of traffic plans. Tasks include preliminary site visits, developing hydraulic and hydrologic models for the pipes, submittal of Hydraulic Report, drainage ditch design, maintenance of traffic plan submittals and wetlands report.

Firm employed by				Meets MPR No 6	
Name	Kester Hollier, PE, PTOE		Years of relevant experience with this employer	1	
Title	Senior Traffic Engineer		Years of relevant experience with other employer(s)	16	
Degree(s) / Years / Specialization			BS / 2004 / Civil Engineering, Louisiana Tech University		
Active registration number / state / expiration date			PE.034304 / LA / Exp. 03/2023; PTOE #3928 / USA / Exp. 11/2024		
Year registered	2009	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Traffic Engineering		
Experience dates	Experience and qualifications relevant to the proposed contract				
		<p>Mr. Hollier possesses a wide breadth of experience in the field of transportation engineering including feasibility studies, traffic engineering, signal timing and design, roadway design, complete street improvement projects, roadway safety analysis and design, and construction management and inspection. Working on a wide variety of projects from the planning and conceptual phases to the design and construction phases, has given him the experience to help identify the needs and requirements for projects. This experience allows him to understand stakeholders ranging from local public agencies to state DOTs and helps provide expertise in achieving successful solutions for a variety of projects. Mr. Hollier has completed LADOTD Traffic Engineering Process and Report Training.</p>			
05/14 – 08/20	<p>Causeway Blvd. at Earhart Expwy. Interchange, LADOTD, Jefferson Parish, LA. Traffic/Civil Engineer. Responsible for the design of traffic control and construction sequencing, pavement marking layout, quantity analysis, cost estimates, and quality control for a new interchange at LA 3139 (Earhart Expwy.) and LA 3046 (Causeway Blvd.) in Jefferson Parish, LA. Provided review for the interchange traffic sign and traffic signal timings and design. Identified all necessary design waivers and design exceptions required for LADOTD approval. Provided geometric layout design, typical section design and review, and joint layout design for several interchange ramps and underpasses.</p>				
09/12 – 02/16	<p>Stage 0 Feasibility Study and Stage 1 EA for Replacing Belle Chasse Tunnel and Bridge, LADOTD, Plaquemines Parish, LA. Traffic Engineer. Responsible for the feasibility study and traffic analysis along LA 23 (Belle Chasse Highway) between LA 428 (Behrman Highway) and LA 406 (Woodland Highway) for multiple 6-lane bridge alternatives proposed to replace the existing Belle Chasse Tunnel and lift bridge over the Intercoastal Waterway. These alternatives included 3%, 4%, and 5% bridge grades that modified roadway geometry and intersection location. Responsible for the review of roadway design and costs for the Line and Grade Study along with the review of the construction sequencing and traffic maintenance of the constructability review.</p>				
11/20 – Ongoing	<p>I-10 CMAR, LADOTD, East Baton Rouge Parish, LA. Project Manager. Responsible for traffic engineering tasks including development of permanent signing plans, traffic signal plans, interchange modification reports, and transportation management plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. Extensive historical crash and safety analysis is being performed in support of the IMR and TMP. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.</p>				
06/13– 04/14	<p>US 190 Stage 0 Feasibility Study, LADOTD, St. Tammany, LA. Traffic Engineer. Responsible for roundabout geometric design and pedestrian and bike path design along the US 190 corridor in the City of Slidell and St. Tammany Parish to improve safety for motorized and non-motorized roadway users.</p>				


11/17 – 07/20	LA 466 (5th Street) Improvements Traffic Study, City of Gretna, Jefferson Parish, LA. <i>Project Manager / Traffic Engineer.</i> Responsible for the traffic study and impacts for the proposed complete streets improvements along the LA 466 corridor between LA 23 and Richard St. in Gretna, Louisiana. Tasks included data collection along the corridor and at designated intersections, safety and crash analysis along the corridor, trip generation/land use and performing existing traffic analysis and future traffic analysis for proposed final alternative. The traffic study was prepared to follow the LADOTD Traffic Engineering Process and Report Guidelines. The project also included a stand-alone pedestrian study along the corridor at designated intersection and the design of accessible pedestrian signals at signalized intersections.
12/17 – 11/19	Causeway Boulevard Widening Traffic Study, Jefferson Parish, LA. <i>Project Manager / Traffic Engineer.</i> Responsible for the traffic and safety study for the proposed widening of Causeway Boulevard between Metairie Rd. and West Esplanade Blvd. in Jefferson Parish, LA. Tasks included data collection, traffic volume redistribution, left-turn placement and turn bay storage length, and existing traffic analysis and future traffic analysis of a preferred alternative.
10/18 – 01/19	LA 22 Traffic Circulation and Corridor Analysis, NORPC, St. Tammany Parish, LA. <i>Traffic Engineer.</i> Responsible for the development of three alternatives along Northshore Boulevard between I-12 and US 190 in Slidell, LA. Managed the data collection process and peak period observations to determine existing traffic patterns, as well as the safety analysis along the corridor. Developed three alternatives that used a combination of traffic signal retiming, J-turns, and roundabouts to provide better access management along Northshore Boulevard as well as improve traffic flow in the corridor for current and proposed future conditions with consideration given to proposed future developments using trip generation and land use analysis.
01/10 – 04/11, 07/13 – 01/14	Stumberg Lane Extension, City of Baton Rouge Green Light Plan, East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Responsible for the design of new traffic signals at US 61 (Airline Highway) and LA 73 (Jefferson Highway) for the extension of Stumberg Lane in Baton Rouge, LA. Also responsible for the design and layout of the fiber optic interconnect along the proposed extension.
05/09 – 07/13	LA 23 Widening (Lapalco Blvd. – Engineers Rd.), LADOTD, Jefferson and Plaquemines Parishes, LA. <i>Traffic/Civil Engineer.</i> Responsible for the roadway design and geometrics for the widening of LA 23 in Jefferson and Plaquemines Parishes between Lapalco Blvd. (LA 428) and Engineers Rd. (LA 3017). Developed traffic analysis for the traffic signal timing and required turn bay lengths at intersections. Developed traffic signing plans, pavement marking layouts and temporary traffic control plans.
10/10 – 7/15	Barriere Road Feasibility Study/Traffic Study, US Department of Defense, Plaquemines Parish, LA. <i>Civil/Traffic Engineer.</i> Responsible for the geometric layout and design of the realignment alternatives of Barriere Rd. between LA 23 to the US Naval Air Station. Developed and reviewed traffic analysis for arrival and departure patterns for the South US Naval Air Station entrance gates.

Firm employed by			ARCADIS		Meets MPR No. 6	
Name	Ari Deitch, PE, PTOE, PTP, RSP			Years of relevant experience with this employer	7	
Title	Traffic Engineer			Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization				BS / 2012 / Biological Engineering, Louisiana State University		
Active registration number / state / expiration date				PE.0041842 / LA / Exp. 03/2022; PTOE #4346 / USA / Exp. 11/2023 PTP #690 / USA / Exp. 07/2022; RSP #37 / USA / Exp. 12/2024; ATSSA TCT / TCS		
Year registered	2018	Discipline	Civil Engineering			
Contract role(s) / brief description of responsibilities.				Traffic Engineering		
Experience dates		Experience and qualifications relevant to the proposed contract				
		Mr. Deitch is a Transportation Engineer specializing in traffic engineering and design, safety, transportation management, and conceptual roadway design. Mr. Deitch has experience managing and working on projects for LADOTD and the City of Baton Rouge, as well as other DOTs across the country, pertaining to Stage 0 feasibility studies, transportation management plans, traffic, and safety studies, NEPA studies, pedestrian and bicycle improvements, access management, signal design, and signing and marking design. He has experience and proficiency in IHSDM, SYNCHRO, VISTRO, VISSIM, SIDRA, GuidSIGN, HCS and MicroStation software. Ari is ATSSA TCT and TCS certified.				
05/19 - Ongoing		LADOTD, I-20 / I-220 Interchange Imp. and BAFB Access TMP and IMR, LA / H.003370. Traffic Engineer. Responsible for development of addendum to Interchange Modification Report, Transportation Management Plan, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20 / I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.				
08/14 – 10/18		LADOTD, US 71 Corridor Traffic and Safety Study – Phase 1-3, Rapides Parish, LA / H.010824. Traffic Engineer. Responsible for providing traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Data collection effort included automated one-week counts, manual turning movement counts and spot speed studies. Collected crash data for the most recent three years from LADOTD crash database, analysed crash summaries and identified historical high-crash locations and over-representative crashes, determined crash types, frequencies and crash rates, reviewed individual crash reports to determine type and location of each crash, identified crash “hot-spot” locations, contributing factors for high-crash rates, and determined potential improvements.				
11/20 – Ongoing		LADOTD, I-10 CMAR, East Baton Rouge Parish, LA / H.001400. Traffic Engineer. Responsible for wide range of traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment.				


10/19 – Ongoing	LADOTD, I-10 New Orleans to Slidell Hard Shoulder Running, Orleans Parish, LA / H.013960.1. <i>Traffic Engineer.</i> Responsible for the development of conceptual drawings and typical sections for proposed Hard Shoulder Running (HSR) alternatives on I-10 between New Orleans and Slidell. Purpose of the project is to evaluate the feasibility of implementing HSR lanes along I-10 to alleviate existing bottlenecks and congestion along critical segments of the corridor.
10/15-Ongoing	LADOTD, US 90 Business Signing Upgrades and TMP, Orleans and Jefferson Parishes, LA / H.010634.5. <i>Assistant Project Manager.</i> Responsibilities include taking inventory of existing signs and structures, developing a signing layout plan for the project area in accordance with the latest state and federal policy guidance, developing signing plans through 100% final design stage, developing a Transportation Management Plan to be used during construction of the project, and coordinating reviews and submittals with LADOTD Traffic Engineering Design Section. The purpose of the project is to replace all existing signs within the project area, which includes sections of I-10 and US 90 Business in and around New Orleans' Central Business District. This requires careful planning in the placement of signs and structures to accommodate the complex roadway network in this area. Arcadis completed the design plans and TMP in 2019, and is currently providing engineering support during construction of the project.
04/19 – 12/19	LADOTD, East Baton Rouge Parish Signal Detection Upgrades, East Baton Rouge Parish, LA / H.013830. <i>Traffic Engineer.</i> Technical lead of project tasks involving field signal inventory and the creation of updated signal plans and quantities. The project includes 39 intersections identified in East Baton Rouge Parish to be upgraded from video detection to magnetometer detection.
04/19 – 12/19	LADOTD, US 90 Traffic Signal Timing Upgrades, Lafayette Parish, LA / H.012665. <i>Traffic Engineer.</i> Technical lead of project tasks involving <i>traffic data collection and analysis</i> , signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal analysis using Synchro 10 software, and development of updated TSI forms following latest LADOTD standards.
08/14 – 06/15	LADOTD, LA 3235 Stage 0 Feasibility Study, Lafourche Parish, LA / H.010688.1. <i>Traffic Safety Analyst.</i> Responsible for review of existing <i>crash data and traffic operations analysis</i> , development of safety countermeasures, conceptual drawings, and Stage 0 documentation. LADOTD Stage 0 Safety Study to develop access management strategies and roadway improvements that will maintain and improve mobility, improve safety, support existing and future development along the LA 3235 corridor. The LA 3235 corridor was initially constructed as a high-speed roadway to facilitate truck traffic to and from Port Fourchon. Since its construction, numerous commercial and residential developments have created unsafe conditions along the corridor.
02/15 – 11/17	LADOTD, Intersection Feasibility Study. Evangeline Thwy, Johnston St, & Louisiana Ave, Lafayette Parish, LA / H.011408. <i>Traffic and Safety Analyst.</i> Responsible for review of existing crash data, traffic operations analysis, and <i>development of design alternatives</i> . Objective is to develop alternatives for the intersection of Evangeline Thruway (US 167/90) and Johnston Street (US 167) / Louisiana Avenue (LA 94) that will improve safety and mobility. Evangeline Thruway consists of two one-way roadways with three lanes in each direction. Three alternatives for each intersection at Johnston Street / Louisiana Avenue were developed based on the results traffic and safety analysis.

Firm employed by		ARCADIS		
Name	Thomas Montz, PE, PTOE, PTP		Years of relevant experience with this employer	9
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization			MS / 2011 / Civil Engineering, Louisiana State University BS / 2009 / Civil Engineering, Louisiana State University	
Active registration number / state / expiration date			PE.0039128 / LA / Exp. 09/2022; PTOE 4093 / USA / 07/2022; PTP 599 / USA / 03/2023;	
Year registered	2014	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Traffic Engineering	
Experience dates	Experience and qualifications relevant to the proposed contract			
	Mr. Montz is a Project Manager and Senior Transportation Engineer specializing in transportation planning / feasibility, modeling, safety, and design. He has over 12 years of experience leading a multitude of planning and engineering projects including Stage 0 feasibility studies, safety studies, NEPA studies, traffic signal timing and design, and transportation management during construction. He specializes in traffic analysis and operations including signal timing, signal design, ITS design, HCM analysis, and microsimulation analysis. Mr. Montz has completed LADOTD Traffic Engineering Process and Report Training.			
12/13 – 06/15	LA 3235 Stage 0 Safety Feasibility Study, LADOTD, Lafourche Parish, LA. Traffic Engineer. Responsible for traffic and safety analysis as part of the Stage 0 feasibility study to develop improvement alternatives with the goal of enhancing mobility and safety on LA 3235. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety analysis, development of conceptual layouts, and public outreach. Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. Purpose of the project was to address historical safety issues along the corridor resulting from high speeds and conflict points. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.			
04/19 – 12/19	US 90 Traffic Signal Timing Upgrades/LADOTD, Lafayette Parish, LA. Technical Lead of project tasks involving traffic data collection and analysis, signal inventory, peak period determination and observations, warrant analysis, travel time runs, traffic signal timing analysis using Synchro 10 software, and development of updated TSI forms following latest LADOTD standards			
02/15 – 08/17	US 71 Corridor - Phase II Stage 0 Feasibility Study, LADOTD; Rapides Parish, LA. Project Manager. Responsible for the preparation of a corridor feasibility study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, signal warrant studies, traffic analysis, safety data analysis, alternative development, and public/stakeholder involvement. Completed Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.			
04/16 – 09/18	New Orleans Pedestrian Stage 0 Safety Feasibility Study, LADOTD, Orleans Parish, LA. Traffic Engineer. Responsible for traffic data collection, volume development, traffic analysis, and alternative screening. Purpose of the project was to identify safety improvement alternatives at 20 high-priority intersections in New Orleans with a history of pedestrian and bicycle safety issues. Assisted with the development of safety countermeasures for short-term and long-term alternatives. Assisted with the completion of Stage 0 documentation including Preliminary Scope and Budget and Environmental Checklists.			



04/16 – 10/19	I-12 Hard Shoulder Running Feasibility Study and Preliminary Design, LADOTD, East Baton Rouge and Livingston Parishes, LA. <i>Traffic Engineer.</i> Conducted traffic analysis using a calibrated microsimulation model to evaluate the operational performance of HSR and HOV lane alternatives along I-12 between the I-10/I-12 split and Walker, LA. Developed a range of alternatives and made recommendations based on the alternatives that produced the greatest operational benefits and relieved major bottlenecks. Presented results to LADOTD project team and administration to inform the decision-making process and subsequent project stages.
02/18 – 06/21	Baton Rouge Pedestrian and Bicycle Safety Action Plan and Road Safety Assessments LADOTD, East Baton Rouge Parish, LA. <i>Traffic Engineer.</i> Responsible for assessing existing and future safety deficiencies related to pedestrian and bicycle modes at identified high-risk intersections and segments in East Baton Rouge Parish. Assisted with the development of screening criteria to identify high priority locations with a history of pedestrian and/or bicycle crashes.
12/13 – 05/15	Joe Sevario / Roddy Road Stage 0 Safety Feasibility Study, LADOTD, Ascension Parish, LA. <i>Traffic Engineer.</i> Evaluation of roundabouts at 10 stop-controlled intersections along Joe Sevario / Roddy Road, from US 61 to LA 42, a length of approximately 7.2 miles. Main tasks included traffic data collection , traffic signal warrants, crash analysis, capacity analysis, safety analysis , review of existing pipelines and other municipal <i>utilities, alternatives analysis, design development, and cost estimates.</i>
11/12 – 4/13	LA 594 (Millhaven Rd.) Stage 0 Feasibility Study and Preliminary Design, I-20 Economic Development Corporation, Ouachita Parish, LA. <i>Traffic Engineer.</i> Responsible for traffic data collection and traffic and safety analysis tasks . The project proposed roadway improvements to maintain operations and safety along Millhaven Road while accommodating projected increases in traffic demand and commercial development.
04/16 – Ongoing	Pete's Highway Interchange Alternatives and Environmental Assessment, LADOTD, Denham Springs, LA. <i>Traffic Engineer.</i> Responsible for assisting with traffic signal timing analysis tasks including volume development / projections, origin-destination study, VISSIM model development and calibration, and noise analysis. Work involves completing an Environmental Assessment and providing traffic engineering services related to improving operations and safety along Range Avenue at the I-12 interchange.
04/13 – Ongoing	US 11 Environmental Assessment, LADOTD, St. Tammany Parish, LA. <i>Traffic Engineer.</i> Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, alternative development , and noise modeling for the proposed widening of US 11 between US 190 (Gause Blvd) and I-12 in Slidell, LA. The proposed improvements include replacing a bridge crossing the Norfolk Southern Railroad. This project includes analyzing several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.
11/20 – Ongoing	I-10 CMAR, LADOTD, East Baton Rouge Parish, LA / H.001400. <i>Traffic Engineer.</i> Responsible for construction phasing modeling and evaluation to determine the impacts of various construction phasing scenarios and mitigation that will be required to minimize travel delays during construction. Construction phasing scenarios are being modeled using a calibrated mesoscopic model developed by Arcadis, which can estimate the effects of construction activities on the broader roadway network. Model results are being used to inform the Transportation Management Plan for the project.

Firm employed by		ARCADIS	
Name	Akhil Chauhan, PE, PTOE, PTP, PMP		Years of relevant experience with this employer
Title	Principal Engineer		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		MS / 2003 / Transportation Engineering, Massachusetts Institute of Technology BS / 2001 / Civil Engineering, Indian Institute of Technology	
Active registration number / state / expiration date		PE.033703 / LA / Exp. 09/2022; PTOE #2544 / USA / Exp. 11/2023 PTP #246 / USA / Exp. 12/2024; PMP #1444676 / PA / Exp. 08/2023	
Year registered	2008	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities.		Technical Advisor & QA/QC (Traffic Engineering)	
Experience dates	Experience and qualifications relevant to the proposed contract		
	Mr. Chauhan is a principal traffic engineer with 20 years of applied research and industry experience in the fields of traffic engineering, traffic modeling and simulation, transportation planning, demand modeling/forecasting, intersection/corridor analysis, safety studies, and access management. Akhil has successfully led, managed, and mentored numerous projects and personnel related to transportation modeling, simulation, and planning for public agency clients located across the nation including several state Departments of Transportation. He is proficient in the use of many macro-, meso-, and microscopic traffic simulation software programs such as HCS, Vistro, Synchro, SIDRA, Vissim, MITSIM, Dynameq, DynaMIT, TransCAD, Visum, and OREMS.		
04/13 – 10/20	LADOTD, US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, St. Tammany Parish. <i>Principal Engineer</i> . Responsible for crash analysis, operating speed tabulations, intersection and corridor analysis, line and grade and public outreach for the proposed widening of US 11 between US 190 (Gause Boulevard) and I-12 in Slidell. Proposed improvements include the replacement of a bridge crossing the Norfolk Southern Railroad. Critically, this project includes analysis of several innovative alternatives for the proposed corridor, including “superstreets” and J-turn concepts.		
07/12 – 11/14	LADOTD, Chef Menteur Bridge and Approaches Environmental Assessment, Orleans Parish, LA. <i>Principal Traffic Engineer</i> . Responsible for the high-priority bridge replacement EA and Line and Grade Study, responsible for coordinating traffic impact study. Traffic Impact Study coordination included reviewing available data with DOTD traffic engineer to identify gaps and propose additional data needs, investigating planned transportation improvement projects and traffic generators with DOTD and New Orleans RPC, reviewing design hour volumes (DHVs), average daily traffic (ADTs), and peak hour, and 24-hour truck percentages, and reviewing intersection and road segment capacity analyses.		
11/20 – Ongoing	LADOTD, I-10 CMAR, East Baton Rouge Parish, LA. <i>Principal Engineer</i> . Responsible for technical advisory and QAQC of all traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports , and Transportation Management Plans for the widening of I-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. One critical component of the project is maintaining traffic during the construction of new bridge structures. Multiple scenarios are being evaluated using a calibrated mesoscopic model to determine the impacts during construction and mitigations that will be necessary to minimize delay.		


08/18 – 12/19	LADOTD, I-10 Widening Mesoscopic Model and TMP, East Baton Rouge Parish, LA. <i>Principal Engineer.</i> Responsible for supervising development of mesoscopic traffic model used for this project. The object of the study was to develop an existing conditions model. Responsibilities included defining study area, assessing data needs, developing data collection plan, preparing calibration documentation, and preparing model documentation.
01/18 – Ongoing	LADOTD, I-20 Mesoscopic Model and TMP Using Dynameq, Bossier Parish, LA. <i>Principal Engineer.</i> Responsible for supervising development of <i>mesoscopic traffic model</i> to predict queueing, delay and alternate travel patterns due to planned construction on I-20 to replace pavement. The project is anticipated to disrupt traffic in this critical portion of I-20. The project scope includes development and calibration of mesoscopic model, analysis of alternative routes, safety analysis, operational analysis, assistance with public outreach, development of a Level 4 TMP, and development of work zone mitigation strategies.
12/13 – 06/15	LADOTD, LA 3235 Stage 0 Feasibility Study, Lafourche Parish, LA. <i>Project Manager.</i> Responsible for the preparation of a formal traffic and access management Stage 0 study, in accordance with DOTD Stage 0 Manual of Standard Practice, that analyzed alternatives and enhanced mobility and safety on LA 3235. Main tasks included traffic data collection, warrant studies, <i>traffic analysis, safety analysis, development of conceptual layouts, and public outreach.</i> Intersections found to warrant signalization were also modeled in unconventional designs including U-turns, J-turns, and RCUTs. A preliminary cost estimate and conceptual layout drawings were also produced. During the study, it was found that crash modification factors (CMFs) for many access management principles are not found in the HSM's Part C predictive methods. Therefore, proposed a corridor-based approach in which Part D CMFs were applied at the corridor level after using Part C to predict future no-build crashes. This approach predicted changes to crash frequency, crash type, and severity type for the two build alternatives. The predicted crashes provided the opportunity to perform a cost/benefit analysis based on safety.
05/19 - Ongoing	LADOTD, I-20/I-220 Interchange Improvements and BAFB Access Design-Build, Bossier Parish, LA. <i>Principal Engineer.</i> Responsible for overseeing the development of addendum to <i>Interchange Modification Report</i> , Transportation Management Plan, Temporary Traffic Control Plans, and Permanent Signing Plans to accommodate the design and construction of the project. The design-build project includes the modification of the existing interchange at I-20/I-220 with additional ramps and extension of I-220 to provide access to Barksdale Air Force Base.
01/14 – 02/17	LADOTD, Traffic Engineering Retainer - US 71 Corridor Traffic and Safety Study – Phase 1, Rapides Parish, LA. <i>Project Manager.</i> Responsible for the preparation of a corridor study for the purpose of enhancing mobility and safety on US 71 in Alexandria, LA. Main tasks included traffic data collection, warrant studies, traffic analysis, safety data analysis, and development of conceptual layouts. Data collection effort included automated one-week counts, manual turning movement counts and spot speed studies. A <i>preliminary cost estimate and conceptual layout</i> drawings were also produced during the study.
04/16 – Ongoing	LADOTD, Florida Avenue Environmental Assessment, Orleans Parish, LA. <i>Principal Traffic Engineer.</i> Responsible for QA/QC and documentation for the project that includes traffic, environmental, line and grade, and public outreach and involvement services for one of the last projects funded by Louisiana's TIMED Program. The project traverses post-Katrina re-development areas in both Orleans and St. Bernard Parishes. Key considerations include the type and height of the bridge and controlling truck traffic diversion through neighborhoods. Using the New Orleans Regional Planning Commission's SELATRAM travel demand model (TDM), Arcadis coded <i>alternatives for a comparative analysis</i> of partial and full build scenarios.

Firm employed by		ARCADIS		
Name	David Fulks, PE		Years of relevant experience with this employer	15
Title	Roadway Design Engineer		Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization			MS / 2020 / Engineering Management, The George Washington University BS / 1997 / Civil Engineering, Portland State University	
Active registration number / state / expiration date			PE.030151 / LA / Exp. 09/2022	
Year registered	2002	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities.			Roadway Design	
Experience dates	Experience and qualifications relevant to the proposed contract			
	Mr. Fulks has more than 27 years of experience in the design of roadways, flood protection systems, and airports. His experience encompasses analysis and design of geometric and pavement design of highways, streets, sidewalks, restrictive intersections, roundabouts, and interchanges; site hydrology and hydraulics; and traffic impact analysis. His responsibilities have included preparing engineering designs, reports, plans, and specifications; preparing and managing project schedules and cost estimates; and providing construction administration.			
04/13 – 07/14	LADOTD, US 11 Railroad Bridge Replacement and Corridor Improvements Environmental Assessment, St. Tammany Parish, LA. <i>Lead Engineer.</i> Geometry and roadway design, <i>line and grade study development</i> , and cost estimates for the replacement of an historic railroad overpass bridge and upgrading an existing two-lane rural highway to a four-lane divided highway with access control.			
07/15 – 06/17	LADOTD, US 190B at Jefferson Ave Roundabout Design, St. Tammany Parish, LA. <i>Roadway Engineer.</i> <i>Geometric and roadway design</i> , preliminary plans preparation, and cost estimate for replacing an existing four-way signalized intersection with a single-lane elliptical roundabout.			
05/14 – 05/15	LADOTD, Joe Sevario/Roddy Road Roundabouts Stage 0 Feasibility Study, Ascension Parish, LA. <i>Task Manager and Lead Engineer.</i> <i>Geometric and roadway design</i> and cost estimates for the replacement of ten existing stop-controlled intersections with single-lane roundabouts.			
01/14 – 03/17	LADOTD, Pete’s Highway Environmental Assessment, Livingston Parish, LA. <i>Lead Roadway/Bridge Geometrics and Cost Engineer.</i> High-priority project completing an <i>Environmental Assessment and traffic engineering services</i> related to improving congestion and operations along Range Avenue in the vicinity of the I-12 interchange. Design alternatives included two split diamond interchange options with roundabout, partial clover leaves, and collector-distributor road components at both Range Avenue and the next existing, eastern overpass at Pete’s Highway (LA 16) and a diverging diamond interchange alternative at Range Avenue.			
11/14 – 10/15	LADOTD, LA 44 and Loosemore Road Roundabout, Ascension Parish, LA. <i>Deputy Project Manager and Lead Engineer.</i> <i>Geometric and roadway design</i> , preliminary subsurface utility investigation, and cost estimates for the replacement of an existing two-way stop-controlled intersection with either a single-lane roundabout or two single-lane roundabouts and right-in/right-out control at the existing intersection.			


12/13 – 06/15	LADOTD, Safety Studies Retainer - LA 3235 Stage 0 Safety Feasibility Study, Lafourche Parish, LA. <i>Lead Roadway Geometrics and Cost Engineer.</i> Designed geometric layout of safety improvements including access management, restrictive intersections, and added turn lanes. Developed <i>construction cost estimates</i> for proposed improvements to assess feasibility of proposed alternatives.
09/09 – 03/12	LADOTD, I-20 – Kansas Lane/Garrett Road Connector Interchange Improvements, Ouachita Parish, LA. <i>Lead Engineer.</i> Geometry and roadway design of the new KCS Railroad overpass and connector between Kansas Lane and Garrett Road, including <i>interstate interchange modifications</i> to include two-lane roundabouts at ramp intersections, and three two-lane roundabouts along the corridor outside of the interchange. Improvements to the pedestrian and bicycle facilities were included in accordance with the LADOTD Complete Streets Policy. The compact project area required a detailed layout to confirm feasibility.
08/11 – 09/13	LADOTD, Chef Menteur Bridge and Approaches Replacement Environmental Assessment and Line and Grade Study, Orleans Parish, LA. <i>Lead Roadway/Bridge Geometrics and Cost Engineer.</i> Responsible for preparing the proposed geometric configurations of a bridge replacement at Chef Menteur Pass. Investigated four alignments as well as both low-level moveable and high-level fixed span bridge configurations. Performed detailed geometric layouts of both the mainline highway, bridge, and adjacent collector roadways to <i>mitigate impacts to environmentally sensitive resources</i> and local residential, commercial, and historical interests.
09/12 – 09/13	LADOTD, US 165 Connector and Ouachita River Bridge Environmental Impact Statement, Ouachita Parish, LA. <i>Roadway Design Engineer.</i> Responsible for preparing <i>roadway and bridge general plan designs, line and grade report development, and cost estimates</i> for a new five-mile elevated highway through Chauvin Swamp north of Monroe, LA. An in-town corridor was also developed which entailed upgrading Louisville Avenue and Hudson Lane in Monroe, the Lea Joyner Bridge over the Ouachita River, and Stella Street in West Monroe to function as a one-way couplet.
06/00 – 12/00	Jefferson Parish Engineering Department, Hesper and Helios Avenue Street Rehabilitation, Harvey, LA. <i>Roadway Engineer.</i> Completed inspections and rehabilitation recommendations for eight blocks of local streets. Rehabilitation required demolition and replacement of concrete road panels, milling and overlay of asphalt surfaces, and installation of drainage inlets and subsurface drainage, as well as replacement of damaged and under-performing subsurface drainage. Performed inspections, collaborated with Parish representatives and utility companies, identified appropriate rehabilitation measures, and produced plans illustrating the rehabilitation recommendations.
2/09 – 4/10	United States Army Corps of Engineers (USACE) – New Orleans District, US 90 – WBV 73 Western Tie-In Crossing Lake Cataouatche Area, Jefferson Parish & St. Charles Parish, LA. <i>Deputy Project Manager and Lead Roadway/Drainage Engineer.</i> Responsible for development of preliminary and final design P&S for a 2,540-foot PPC girder/column bent bridge, highway approaches, and frontage roadways.
2/01 – 8/01	LADOTD, US 190 (Gause Boulevard) from LA 433 to US 11, Slidell, LA. <i>Roadway/Drainage Designer.</i> Alignment modification and capacity increase for a 3.5-mile stretch of this state highway. The project included two bridges, a transition from a rural minor arterial to an urban principal arterial, dozens of minor intersections with side streets, a railway crossing, and numerous drainage culverts. The <i>roadway geometric and drainage designs</i> were completed, and design plans were produced. This project required applying many geometric elements, such as super-elevation and multiple closely spaced horizontal curves that required a delicate balance of occasional conflicting requirements.


Firm employed by			
Name	Justin Maderia, PE, PTOE, PTP	Years of relevant experience with this employer	17
Title	Noise and Air Expert	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	MS / 2005 / Civil Engineering; BS / 2004 / Civil Engineering		
Active registration number / state / expiration date	PE.0038492 / LA / 03/31/2022; PTOE #3455 / USA / 07/01/2024; PTP #604 / 07/01/2023		
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities	Traffic Stage 0 Safety Studies, Safety Effectiveness Evaluation		
Experience dates	Experience and qualifications relevant to the proposed contract		
	<p>Mr. Maderia's experience in transportation engineering includes safety studies, feasibility studies, traffic flow/demand modeling, spot speed studies, micro-simulation modeling, and traffic noise modeling. His experience with safety studies includes crash review and analysis, development of safety improvements and countermeasures, and application of Highway Safety Manual (HSM) methodologies to evaluate the effectiveness of safety improvements. He has also served as the project engineer responsible for the design of highway projects. Specific design experience includes maintenance of traffic design, traffic control plan design, roadway geometry, horizontal and vertical alignment design. His software program experience includes IHSDM, AutoCAD, MicroStation, Geopak, AutoTurn, SignCAD, GIS, TNM, CORSIM, VISSIM, HCS and all Microsoft Office Applications. Mr. Maderia has completed LADOTD Traffic Engineering Process and Report Training.</p>		
08/12 – 05/13	<p>I-210 Cove-Nelson Interchange Improvements EA, ABMB Engineers, Inc.; Lake Charles, Louisiana. <i>Design Engineer.</i> This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study.</p>		
06/13 – 03/16	<p>US-11 Environmental Assessment - Traffic & Noise, Louisiana Department of Transportation & Development; Slidell, Louisiana. <i>Transportation Engineer.</i> Responsible for developing existing and future traffic volumes, growth rate estimation, alternative evaluation, preliminary traffic signal timing analysis, and crash analysis. This project includes replacement of the bridge over the Norfolk Southern Railroad and widening the roadway from a two-lane undivided to a four-lane divided roadway for the segment of US 11 between I-12 and US 190 (Gause Boulevard) in Slidell. The project study area is comprised of Synchro analysis for six signalized and four unsignalized intersections.</p>		
08/12 – 05/13	<p>I-210 Cove Lane/Nelson Road Interchange Improvements, Louisiana Department of Transportation & Development; Calcasieu Parish, Louisiana. <i>Design Engineer.</i> This project involved the Environmental Assessment completion for proposed improvements to I-210 between Cove Lane and Nelson Road. The project included improvements along I-210 and the adjoining local street network. The interchange improvements provide access to future development and address future traffic needs. The study was conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance, issued by FHWA in 1995, and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer, conducting traffic noise impact assessment portion of the study.</p>		

12/11 – 07/13	<p>Chef Menteur Bridge and Approaches Route US 90, Louisiana Department of Transportation & Development; Orleans Parish, Louisiana. <i>Design Engineer.</i> This project involves the Environmental Assessment completion for proposed improvements to the Chef Menteur Bridge and Approaches. The proposed project includes replacing the existing Chef Menteur Pass Bridge and Approaches, located in Orleans Parish on U.S. Highway 90. The project calls for a replacement bridge with two 12-foot-wide travel lanes and 10-foot-wide shoulders on each side. The logical termini were approved by the Federal Highway Administration (FHWA). The study area extends along US 90 from US 11 to Louisiana Highway 433. The study is conducted in accordance with policies and procedures prescribed in the Highway Traffic Noise Policy and Guidance issued by FHWA in 1995 and the LADOTD's statewide policy, titled Department of Transportation and Development Highway Noise Policy. Worked as a design engineer conducting traffic noise impact assessment portion of the study.</p>
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Firm employed by		ARCADIS		
Name	Jason Morrell, PWS		Years of relevant experience with this employer	9
Title	Senior Ecologist / Project Manager		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			BS / 1999 / Agriculture, University of Georgia	
Active registration number / state / expiration date			Professional Wetland Scientist – #2319 / USA / Exp. 04/2023	
Year registered	2013	Discipline	Wetland Science	
Contract role(s) / brief description of responsibilities.			Deputy Project Manager / Environmental Lead	
Experience dates		Experience and qualifications relevant to the proposed contract		
		Mr. Morrell has over 20 years of experience in environmental planning and ecology in the southeastern U.S. Prior to joining Arcadis, he served as a NEPA Planner and Ecologist with the Georgia Department of Transportation (GDOT) evaluating environmental effects and completing permitting and environmental documentation for transportation projects. His area of expertise includes wetland studies, biological assessment, and environmental permitting, with a focus on Clean Water Act Section 404 permitting and Section 7 Endangered Species Act (ESA) consultation. He is experienced working with the Federal Highway Administration (FHWA), US Army Corps of Engineers (USACE), US Fish & Wildlife Service (USFWS), and state resource agencies. Since 2011, Mr. Morrell has worked almost exclusively on transportation projects and is an active member of the Transportation Research Board Committee on Environmental Analysis and Ecology.		
04/21 – Ongoing		Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA. Project Manager and Environmental Lead for 16 state projects involving replacement of 29 state highway bridges. The environmental scope of services for the projects consists of Solicitation of Views, Wetland Studies, Programmatic Categorical Exclusion Checklists, and permitting including USACE Nationwide Permits (NWPs) and Louisiana Department of Natural Resources Coastal Use permits.		
04/16 – Ongoing		Pete’s Highway Interchange Alternative and Environmental Assessment, LADOTD, Livingston Parish, LA. Ecologist: Led a wetland delineation and protected species habitat assessment along Range Road in the vicinity of the I-12 interchange for the proposed interchange improvement project. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, in support of the NEPA Environmental Assessment.		
09/2019 – Ongoing		Environmental Support Services IDIQ Contract, GDOT, Statewide, GA. Project Manager and Ecology Lead: Responsible for management of embedded (support services) ecology and NEPA staff managing environmental studies on behalf of GDOT, including review of consultant documents. Design and develop ecology initiatives for the GDOT Office of Environmental Services (OES) including guidebooks and toolkits to update the Environmental Procedures Manual, training materials for contractor prequalification, applications to streamline National Marine Fisheries Service Section 7 ESA and Essential Fish Habitat consultations, and other research initiatives.		
07/14 – 07/19		Statewide Ecology Services IDIQ Contract GDOT, Statewide, GA. Deputy Project Manager and Ecology Lead: Responsible for managing embedded ecologists assigned management of ecology studies, permitting, and biological assessment for GDOT projects. Negotiated a menu of services task order for on-call environmental studies providing the client the flexibility to complete tasks quickly to meet project delivery schedules. Managed preparation and provided technical review of supporting NEPA documentation for federally funded infrastructure development and improvement projects. Developed ecology toolkits, guidance documents, and templates for GDOT use and publication in collaboration with regulatory agencies and GDOT staff. Managed a		

	research project evaluating the effectiveness of migratory bird mitigation measures on transportation projects and providing recommendations to GDOT for best management practices.
12/15 – 11/18	Railroad Bridge Replacements, Confidential Class I Railroad Client, Louisiana and Texas. <i>Lead Ecologist:</i> Responsible for wetland delineation and protected species habitat assessments for replacement of two structurally deficient railroad bridges. Completed wetland findings report, including required exhibits, and calculated impacts to streams and wetlands for bridge replacements. Coordinated with design for impact avoidance and minimization and provided technical review of a NWP 14 Pre-Construction Notification (PCN), including permit sketches, submitted to the USACE Fort Worth District.
10/15 – 04/18	North Bayou Black Drive/Hanson Canal Bridge (OSBP) – LADOTD, Terrebonne Parish, LA. <i>Ecologist:</i> Completed a technical review of the Biological Resources and Wetland Findings Report, including required exhibits, prepared for replacement of an off-system highway bridge. Findings from the wetland delineation report were used for a USACE Jurisdictional Determination and Section 404 permit application.
07/16 – 03/18	Bayou Sara Streambank Restoration, West Feliciana Parish Department of Public Works, West Feliciana Parish, LA. <i>Ecologist:</i> Project involved stabilizing the streambank along approximately 3,600 feet along Bayou Sara, where severe erosion is impacting the Town of St. Francisville's Wastewater Treatment Facility, pond levees, and the Parish's only access road (Ferdinand Street) to the Mississippi River. Completed a wetland delineation and protected species habitat assessment within the area proposed for bank stabilization, as well as adjacent staging and access areas. Provided technical review of a Biological Resources and Wetland Findings Report, including required exhibits, and NWP 13 PCN, including permit sketches for bank stabilization for which USACE authorization was successfully obtained.
11/15 – 12/16	SR 234 at Chickasawhatchee Creek Bridge Replacement, GDOT, Calhoun and Dougherty Counties, GA. <i>Lead Ecologist:</i> Responsible for ecology reporting, Section 404 permitting, and Section 7 Endangered Species Act (ESA) consultation for replacement of a load-limited, structurally deficient bridge over Chickasawhatchee Creek 8 miles north of Leary, GA. Prepared a Biological Assessment for the federally listed mussel species and designated critical habitat including development of special provisions to be included in contract documents for species protection. Based on this Biological Assessment, USFWS issued a Biological Opinion concurring with the recommended biological determination to support project NEPA documentation. Successfully obtained an Individual Section 404 Permit for stream and wetland impacts associated with bridge replacement and roadway improvements, including review and coordination of permit sketches.
04/13 – 01/16	I-75 South Managed Lanes Design-Build (DB), C.W. Matthews Contracting Co., Henry/Clayton Counties, GA. <i>Lead Ecologist:</i> for 19-mile express toll lanes on I-75, including a 417-foot-long dedicated access ramp bridge spanning a large wetland and stream system associated with Crittle Creek. Responsibilities included field verification of resource delineation by others, Section 404 Clean Water Act permitting, and a state stream buffer variance application. Jason collaborated with project engineers and the DB contractor to identify permanent and temporary construction impacts prior to permitting and feasible impact avoidance and minimization measures. He coordinated with GDOT and the USACE for pre-construction environmental clearance, as well as under construction compliance. The DB team successfully obtained a NWP 14 for the overall project ahead of schedule and a NWP 33 for temporary impacts for bridge construction.

Firm employed by		ARCADIS	
Name	Lauren Bolstad	Years of relevant experience with this employer	1
Title	Environmental Specialist	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		Bachelor of Biosystems Engineering / 2014 / Concentration in Ecological Engineering, Auburn University	
Active registration number / state / expiration date		N/A	
Year registered		Discipline	
Contract role(s) / brief description of responsibilities.		Environmental Project Management & National Environmental Policy Act (NEPA) Compliance	
Experience dates	Experience and qualifications relevant to the proposed contract		
		<p>Mrs. Bolstad has approximately 8 years of experience in environmental engineering and planning with a focus on National Environmental Policy Act (NEPA) compliance. She has served as a Consultant NEPA Planner with the Georgia Department of Transportation (GDOT) for multiple years. Prior to this, she was a Project Manager within the GDOT Office of Program Delivery. She has managed a variety of complex projects and has successfully navigated the NEPA process within multiple DOTs, including TxDOT, GDOT, TDOT, and LADOTD. Prior to her experience in the transportation sector, she was an environmental engineer for the Georgia Environmental Finance Authority, specifically related to federally funded water resource projects.</p>	
2022 – present	<p>Bryan County Mega Site - US 280, 1-16 Frontage Road, and Old Cuyler Road Interchange Improvements. Georgia Department of Transportation (GDOT), Bryan County, GA. NEPA Lead and Deputy Environmental Project Manager. Leads <i>NEPA documentation</i> for this extensive design-build project consisting of US 280 widening, new frontage road and new interchange along I-16. The project has an aggressive schedule and vast design constraints. Facilitates resolutions regarding difficult NEPA components including logical termini, cultural resources, and public involvement.</p>		
2022-Present	<p>I-10 Calcasieu Bridge Replacement - DB Tender, Acciona Construction USA Corp (North America) and Aecon Infrastructure Development Inc, LADOTD, Baton Rouge, LA. Environmental Project Coordinator. Responsible for assessing and minimizing risk to environmental impacts associated with pre-let and post-let activities.</p>		
2022-Present	<p>Rural Bridge Replacement Initiative Phase II – Districts 02, 03, 07, 61, and 62, LADOTD, Multiple Parishes, LA. NEPA Lead and Assistant Project Manager. Sixteen state projects involving replacement of twenty-nine state highway bridges. Responsible for environmental scope including Solicitation of Views and Programmatic Categorical Exclusion Checklists.</p>		
2022-Present	<p>Local Programs NEPA Categorical Exclusions, Tennessee Department of Transportation, Various Corridors. NEPA Lead. Responsible for assessing and evaluating environmental impacts from local transportation projects along various corridors in central Tennessee.</p>		
2018 - 2022	<p>Environmental Support Services IDIQ Contract, GDOT. NEPA Planner. Responsible for environmental project management and NEPA documentation for approximately sixty on-going transportation projects including intersection improvements, roundabouts, widenings, interchanges, and bridge replacements.</p>		
2016-2018	<p>Traffic Operations & Safety Program Management Contract, GDOT. Project Manager. Responsible for management of consultant design transportation projects and coordination through GDOT's Plan Development Process. Successfully managed thirty-five traffic and safety projects from concept development through construction letting. Lead monthly coordination meetings with project teams to ensure on-time program delivery.</p>		

Firm employed by		ARCADIS		Meets MPR No. 6	
Name	Luis Velasquez, PE		Years of relevant experience with this employer	7	
Title	Senior Transportation Engineer		Years of relevant experience with other employer(s)	1	
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering		
Active registration number / state / expiration date			Professional Engineer # PE086996 / PA / Exp. 09/2019 Engineer-in-Training # EIT025542 / GA		
Year registered	2017	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities.			Air Quality/Noise Modeling		
Experience dates		Experience and qualifications relevant to the proposed contract			
		<p>Luis Velasquez is an air quality and noise analyst with 7 years of experience in transportation engineering. His engineering experience includes developing environmental air and noise special studies for a wide variety of roadway and bridge projects. Services included carbon monoxide analysis using CAL3QHC, Mobile Source Air Toxics (MSAT) analysis, PM2.5 review, ozone conformity review and Traffic Noise Model 2.5 (TNM 2.5) analysis. The air analysis also includes a review of conformity to the National Ambient Air Quality Standards (NAAQS) for ozone, nitrogen dioxide, sulfur dioxide, and lead. Experienced performing noise studies in accordance with FHWA Highway Traffic Noise Policy and Guidance and state DOT noise policies.</p>			
12/18 – 05/19		<p>I-40 at I-77 at Interchange Improvements, TIP Project I-3819, Flatiron Contractors, NC. <i>Noise Subject Matter Expert</i> for the proposing Design-Build Team (Flatiron Constructors), reviewing the design noise report as part of the pre-bid tender phase of the project. The noise analysis review completed by Luis, included becoming familiar with the NCDOT Traffic Noise Policy and providing details of the design noise report to the Design-Build Team. The expert review provided by Luis indicated that the design noise report completed back in 2010 did not meet new NCDOT Traffic Noise Policy requirements. A risk assessment workshop was completed with the roadway engineers, noise team, and contractors to determine how best to estimate for new noise barriers along the project limits.</p>			
07/15 – 05/19		<p>I-85 HOT Lane Extension PI# 110600, CW Matthews Contracting Company, Atlanta, GA. <i>Noise Subject Matter Expert</i> for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Provided details of the noise report to the Design-Build Team and coordinated with roadway design engineers for optimal placement of the required noise barriers. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 50,000 square feet, providing an estimated cost savings of \$1.3M to the contractor.</p>			
07/17 – 05/19		<p>I-85 General Purpose Lane Widening. PI# 110610, CW Matthews Contracting Company, Atlanta, GA. <i>Noise Subject Matter Expert</i> for the proposing Design-Build Team (C.W Matthews Contracting) reviewing the noise report as part of the pre-bid tender phase of the project. Re-designed and optimized the required noise barriers, while still meeting GDOT Noise Policy, and reduced the project total barrier area by an estimated 20,000 square feet, providing an estimated cost savings of \$500K to the contractor.</p>			
09/13 – 03/16		<p>I-285 at Riverside Drive, GDOT, Atlanta, GA. <i>Traffic Engineer.</i> Conducted a traffic noise impact assessment for the proposed Interstate 285 at Riverside Drive interchange modification. Project responsibilities included data collection of existing conditions,</p>			

	and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration, and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Compiled all noise analysis and results into narrative reports and figures.
04/14 – Ongoing	I-285 @ GA 400, GDOT, Metro Atlanta, GA. <i>Traffic Engineer</i>. Conducted traffic noise impact assessment for one of Metro Atlanta's most congested interchanges to support a Environmental Assessment, public involvement, and NEPA Re-Evaluation. Performed data collection of existing conditions, and traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts based on the proposed interchange configuration. Investigated the feasibility of noise mitigation measures (sound barriers) including benefit-cost ratios.
12/15 – 11/17	I-16 at I-95 Interchange Reconstruction, I-16 Widening, GDOT, Chatham County, GA. <i>Air and Noise Engineer</i>. Conducted traffic noise impact assessment and air analysis report for the I-16 at I-95 interchange reconstruction and I-16 Widening Project in Savannah, GA. Responsibilities included data collection of existing conditions, creation of traffic noise modeling for existing, no-build and build conditions using TNM 2.5. Identified potential traffic noise impacts due to proposed interchange configuration and investigated the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Air quality analysis included CO analysis using CAL3QHC and coordination on MSAT, PM2.5, and ozone analysis. The report also includes a review of conformity to NAAQS for ozone, nitrogen dioxide, sulfur dioxide, and lead.
11/16 – Ongoing	I-20 Over Savannah River Bridge Replacement, GDOT, Richmond County, GA. <i>Traffic Engineer</i>. Conducting traffic noise impact assessment and air analysis report for the I-20 Over Savannah River Bridge Replacement Project in Augusta, GA. Responsibilities included data collection of existing conditions, creation of traffic noise modelling for existing, no-build and build conditions using TNM 2.5. Identify potential traffic noise impacts due to proposed interchange configuration and investigates the feasibility of noise mitigation measure (barriers) including benefit-cost analysis. Air quality analysis included CO analysis using CAL3QHC and coordination on MSAT, PM2.5, and ozone analysis. The report also includes a review of conformity to the NAAQS for ozone, nitrogen dioxide, sulfur dioxide, and lead.

Firm employed by Terracon Consultants, Inc.				
Name	Steve Whitting, PG, CPG		Years of relevant experience with this employer	3.5
Title	Senior Geologist		Years of relevant experience with other employer(s)	37
Degree(s) / Years / Specialization			B.S. / Geology / 1978	
Active registration number / state / expiration date			Professional Geoscientist LA No. 346; AIPG CPG No. 8561	
Year registered	2014	Discipline	Professional Geoscientist	
Contract role(s) / brief description of responsibilities			Senior Geologist.	
Experience dates	Experience and qualifications relevant to the proposed contract			
<p>With over 40 years in the environmental field, Steve's extensive experience includes agency interaction and planning, performing and managing Phase I and Phase II Environmental Site Assessments (ESA), Statewide Order 29-B and Risk-Elevation/Corrective Action Program (RECAP) site investigations, Remedial Investigation/Feasibility Studies, RCRA Facility Investigations, groundwater monitoring programs, soil and groundwater remediation projects, and underground storage tank (UST) closures for governmental, commercial and industrial clients.</p>				
08/21 – 12/21	<p>LA-73 to Bluff Road Connector – Former S&H Landfill – Limited Site Investigation, Ascension Parish, LA Project Manager & Authorized Project Reviewer. Steve oversaw Limited Site Investigation (LSI) activities that included the installation of 11 soil borings on 100-foot centers along the approximate centerline of a portion of the proposed connector alignment. The LSI was conducted to assess the presence of chemicals at concentrations above laboratory reporting limits in the on-site soil and groundwater in the portion of the proposed Bluff Road Connector alignment that is located on the former S&H Landfill.</p>			
06/18 – Ongoing	<p>Proposed I-49 Corridor – Limited Site Investigation, Lafayette, LA Authorized Project Reviewer. As a senior level Terracon reviewer, Steve reviews reports and correspondence between Terracon and DOTD and provides technical consultation and recommendations related to LSI of the portion of the proposed I-49 corridor. The site was previously utilized for rail operations from the late 1800s through the early 1980s. In the 1960s, the southern two tracts were utilized as a trucking facility, Conoco warehouse and lumber yard. The LSI was conducted to assess the presence of chemicals at concentrations above laboratory reporting limits in the on-site soil and groundwater.</p>			
03/19 - Ongoing	<p>Chase Bank – Multiple Locations in LA Environmental Professional and Authorized Project Reviewer. Steve directs Phase I Environmental Site Assessments on multiple commercial sites in Louisiana. Provides technical consultation in identification of recognized environmental conditions (RECs) and development of recommendations.</p>			

EH227000 01/21 – Ongoing	<p>Impaired Waterway Monitoring, West Baton Rouge Parish Government, W. Baton Rouge Parish, LA</p> <p>The Stormwater Management Plan for West Baton Rouge Parish Government MS4 identifies several water bodies that are impaired based on detection of various pollutants. Terracon provides semi-annual field measurements and observations as well as laboratory analyses of water samples for Bayou Poydras, Bayou Choctaw, Chamberlin Canal, Intracoastal Canal, and Bayou Cholpe. Steve provides technical consultation related to sampling methods and interpretation of laboratory analytical results.</p>
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Firm employed by Terracon Consultants, Inc.				
Name	Lucio Nunez		Years of relevant experience with this employer	10
Title	Environmental Department Manager		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			B.S. / Environmental Science / 2010	
Active registration number / state / expiration date			N/A	
Year registered		Discipline		
Contract role(s) / brief description of responsibilities			Terracon team lead	
Experience dates	Experience and qualifications relevant to the proposed contract.			
<p>Mr. Nunez serves as the Environmental Department Manager with over 12 years of experience in Phase I Environmental Site Assessments (ESA), oil field site investigation/ characterization/clean-up, underground storage tank (UST) investigation and removal, Radon Gas Testing, Naturally Occurring Radioactive Materials (NORM) surveys, Stormwater Pollution Prevention Plans (SWPPP), Spill Prevention and Control and Countermeasure Plans (SPCC). Mr. Nunez has served as project manager for hundreds of Phase I ESAs.</p>				
04/22 – 10/22	<p>1.7-mile Corridor Study (Plank Road Brownfield Corridor Inventory), Baton Rouge, LA Project Manager for the Multi-Lot Corridor Study performed in in general guidance with the procedures included in ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The purpose of this study was to assist the client in developing information to identify Recognized Environmental Conditions (RECs) in connection with the properties. During this corridor study, Terracon evaluated 167 properties along the 1.7-mile corridor. A total of 65 properties were identified to contain RECs based on historical activities, regulatory status or activities observed during the field reconnaissance. RECs identified included industrial activities, scrap yards, historical dry-cleaners, auto repair shops, auto fueling stations with historical or active underground storage tanks (USTs) & potential leaking underground storage tanks (LUSTs).</p>			
01/20 – 03/20	<p>Phase II ESA – San Antonio, TX Project Manager for a Phase II ESA for a underground utility (sewer) replacement project for the City of San Antonio on a historical auto station (USTs & chlorinated solvents) was located adjacent of the sewage replacement project and the soil & groundwater evaluation was completed to ensure worker protection during the project. Responsibilities included planning, subcontractor coordination, analytical data review, report preparation, project management and frequent communication with subcontractors, the City of San Antonio Public Works Department and general contractor.</p>			
04/20 – 09/20	<p>Phase II ESA and Remediation– San Antonio, TX Project Manager Phase II for a subsequent delineation and remediation of two city blocks for redevelopment into subsidized housing the San Antonio Housing Authority in San Antonio, Texas. Responsibilities included: prepare a soil management plan for guidance on worker safety and management, transportation & disposal of environmentally-impacted soil; coordination of environmental sample collection; soil boring and monitoring well installation oversight; environmental air monitoring for potential contaminants during demolition and construction for worker protection; and management of waste materials (soil, groundwater, and stormwater) along with preparing, managing and signing waste manifests.</p>			

04/16 – 08/16	<p>LPST Assessment – Laredo, TX</p> <p>Project Manager for a Leaking Petroleum Storage Tank (LPST) facility in San Antonio, Texas. Responsibilities included: monitoring during PST removal; environmental sample collection (soil and groundwater); oversight of soil boring and monitoring well installation; report preparation; and consulting with the Texas Commission on Environmental Quality (TCEQ) along with eventual TCEQ site closure.</p>
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Firm employed by Terracon Consultants, Inc.			
Name	Stephen Osborne, PG		Years of relevant experience with this employer
Title	Environmental Project Manager		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		B.S. / Geology / 2013	
Active registration number / state / expiration date		Professional Geoscientist LA No. 1374	
Year registered	2022	Discipline	Professional Geoscientist
Contract role(s) / brief description of responsibilities		Project Geologist – Project Manager	
Experience dates	Experience and qualifications relevant to the proposed contract.		
As a Project Manager with seven years of environmental experience, Stephen has been responsible for site reconnaissance and all aspects of report preparation for more than one hundred Phase I Environmental Site Assessments (ESA) across Louisiana, Mississippi, Alabama, and Texas. Clients for these projects have consisted of lending institutions, site owners, potential buyers, and land developers. Sites have included undeveloped land, agricultural land, industrial developments, commercial properties, and multifamily residential properties.			
01/17 – 11/17	H. 005967.2, Nelson Road Extension & Bridge and West Sallier Street Improvements, Lake Charles, LA, LADOTD Field Geologist. Mr. Osborne conducted site visits and updated documents to assist in preparation of the Environmental Assessment. He also compiled public comments in preparation for public meetings/hearings on the proposed project.		
04/17 – 09/17	Starbucks - Baton Rouge, LA Mr. Osborne performed all aspects of a Phase I ESA at a former gas station facility proposed for redevelopment as a restaurant. Review of historical operations identified known soil and groundwater contamination which could result in a current exceedance of regulatory standards. A Limited Site Investigation was then conducted at the site to determine impact to the subsurface, all field sampling activities were led by Mr. Osborne.		
06/22 – 08/22	Proposed Sea Holly Grande – Baton Rouge, LA Mr. Osborne served as project manager and performed all field services for this project. Terracon performed a Phase I ESA, which identified the historic use underground storage tanks as a recognized environmental condition. Based on the Phase I ESA findings, an LSI was performed which included the collection of soil, soil gas, and groundwater samples. The analytical results were compared to RECAP SS and exceedances were not identified.		

05/18 – 01/19	<p>Borden Dairy - Baton Rouge, LA</p> <p>Mr. Osborne served as project manager and performed all field services for this project. Terracon performed a Phase I ESA, which identified historic operations as recognized environmental conditions. Based on the Phase I ESA findings, a LSI was performed which included the collection of soil, groundwater and soil gas samples. The analytical results were compared to RECAP SS. The LSI findings indicated exceedances of constituents of concern above RECAP SS. The findings were submitted to LDEQ. Subsequently, an investigation workplan was submitted and approved by LDEQ. The approved scope of work includes limited corrective action, installation of additional borings and soil gas sampling.</p>
04/18 – 01/19	<p>Feliciano CO-OP - Clinton, LA</p> <p>Mr. Osborne served as project manager and performed all field services for this project. Terracon performed a Phase I ESA, which identified the historic use of aboveground storage tanks as a recognized environmental condition. Based on the Phase I ESA findings, a Limited Site Investigation (LSI) was performed which included the collection of soil and groundwater samples. The analytical results were compared to RECAP SS. The LSI findings indicated exceedances of constituents of concern above RECAP SS. The findings were submitted to LDEQ and subsequently, an investigation workplan was submitted and approved by LDEQ. A RECAP Evaluation was performed using the data obtained in the LSI and additional investigation. Based on the findings of the RECAP Evaluation, Terracon requested a No Further Action determination which was approved by LDEQ.</p>

Firm employed by Michael Baker			
Name	Daniel Thornhill, PE		Years of relevant experience with this employer ➡ 2
Title	Office Executive		Years of relevant experience with other employer(s) ➡ 22
Degree(s) / Years / Specialization		B.S. / 1997 / Civil Engineering	
Active registration number / state / expiration date		PE.0032367 / LA / 09-30-2024 25136 / AL / 12-31-20213 Traffic Control Technician-LA State Specific / April 2026 Traffic Control Supervisor -LA State Specific / April 2026 NHI 142005 - NEPA and Transportation Decision Making / 2012	
Year registered	2006 2002	Discipline	Civil
Contract role(s) / brief description of responsibilities		MPR 5. Line & Grade Engineer Manager	
MPR 5. Mr. Thornhill will serve as Line & Grade Engineer Manager providing guidance to team to complete Roadway Design services, and provide accountability for quality and timeliness.			
Experience dates	Experience and qualifications relevant to the proposed contract		
11/21 - Ongoing	US 371: KCS RR Overpasses HBI, Webster Parish, Louisiana. Principal/Project Manager. Responsible for the design and development of construction plans for the replacement of 3 bridges at two locations along US 371. First location is the replacement of a 3 span bridge over KCS Railroad in Sibley, LA. Project entails the development of new bridge alignment following DOTD and KCS Railroad requirements along with modifications of the existing road to accommodate the new bridge vertical alignment. Additional site requirements include developing a detour road/bridge alignment to construct the new bridge under traffic along with reconstruction of LA 164/US 371 intersection. Second location is the replacement of parallel bridges along US 371 at the Minden/I-20 interchange. Bridges will be replaced in phase construction to maintain traffic. Two new 3-span bridges will be construction over KCS railroad meeting all the required DOTD and KCS design requirements as required at the Sibley bridge site.		
08/22 - Ongoing	Barksdale AFB Entrance Roads, Bossier Parish, Louisiana. Project Manager. Responsible for the development of construction plans for new entrance roads for Barksdale AFB. The project includes a new roundabout at the Air Force Base gates along with new 4-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. into two separate construction plans (LA 1026 Roundabout at US 190 and LA 1026 Widening) for bidding due to need for air conformity permit for the improvements along Juban Road south of US 190 intersection.		
04/22 - Ongoing	LA 30: EBR PL – I-10, East Baton Rouge, Iberville, and Ascension Parishes, Louisiana. Principal/Project Manager. Responsible for the oversight of the Environmental Assessment (EA) of the widening of LA 30 from a 2-lane roadway to 4-lane roadway. Project is currently in Part 1 of the EA which main focus on traffic count/study/analysis along with some early environmental field screening, initial geometric improvements at existing 5 intersections, SUE services, and development of existing hydraulic flows for existing 6 bridge/culvert structures. Additional responsibilities include oversight of existing alignments along with existing right-of-way lines.		




10/21 – Ongoing	New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parishes, Louisiana. DOTD. Project Engineer for development of alignment alternatives in Avondale area. Alternatives include railroad overpasses at two locations to replace four at grade railroad crossings. Currently trains will block at grade railroad crossings for hours each day at the Avondale railyard. New overpasses meet both DOTD and railroad criteria. New alternatives include both roadway and bridge design.
03/13 – 04/14 08/14 - 01/16	US 190 (Collins Blvd) Traffic Operations Study, Covington, LA DOTD, (Stage 0) and Line & Grade Study for New Orleans Regional Planning Commission (Stage 1). Mr. Thornhill was Project Manager/Lead Design Engineer over the Line & Grade portion of the Environmental Assessment. He was responsible for the development of the Plan & Profile sketches for the Stage 1 report, development of project implementation cost, and creation of public meeting exhibits. For the Line & Grade, LiDAR was utilized with the Horizontal Alignments and Aerial Photography from the Stage 0 report. The updated sketches were used to develop the opinion of probable construction cost from the Line & Grade improvements along with developing estimated cost for relocation of utilities, acquisition of additional right-of-way, engineering cost (design & survey) and CE&I. A staging phase approach was required to break the project out in several phases to be design and constructed as funding became available. A priority matrix was created to determine the order in which the different phases should be constructed to provide the best Traffic Operation.
03/14 – 08/15	Environmental Assessment - St. Martinville Bypass, St. Martin Parish, Louisiana DOTD. Mr. Thornhill served as Project Manager/Lead Design Engineer for the development of geometric sketches for an environmental assessment for a new bypass route of LA-31 around the town of St. Martinville. He was also responsible for the development of several geometric alignment alternatives, typical section alternatives, along with meeting DOTD's complete streets initiative. Project alignments were developed with the use of as-built drawings for LA-31, aerial photography and LiDAR to determine roadway estimated limits of construction and determine anticipated required right of-way. Alternatives were developed based on traffic analysis to determine required number of lanes and intersection improvements. Project included a combination of roundabouts along with J-turn based to promote optimal flow of traffic. These alternatives were used to determine implementation cost (opinion of probable construction cost, utility relocation, acquisition of right-of-way, engineering (design & survey), and CE&I. The bypass was being developed to remove truck traffic from going through St. Martinville. St. Martinville is an old, historic town that has tight roadways and intersections. Current roadway network did not deter truck traffic from entering the town and at several intersection the truck traffic hit building improvements due to tight radii.
01/11 – 12/11	LA 3234 (E. University Avenue) Extension, Hammond, LA DOTD. Mr. Thornhill served as Project Manager/Lead Design Engineer for the extension of LA-3234 from N. Oak Street to provide a west to east corridor to the Hammond Airport. Mr. Thornhill was responsible for the development of three new roadway alternatives that included both a 4-lane divided highway from N. Oak Street to LA-433 (Morris Road) and 2-lane highway from LA-433 to the Airport. Two (2) of the alternatives tied directly to Pride Drive at the airport, and the last alternative tied directly to US 190 but accessed the airport at the Pride Drive intersection. Implementation costs were developed to determine the cost of construction, relocation of utilities, cost of required right-of-way, and engineering (design, environmental, survey, and CE&I).

Firm employed by Michael Baker			
Name	Brandon Pitre, PE	Years of relevant experience with this employer	 3
Title	Transportation Engineer	Years of relevant experience with other employer(s)	 7
Degree(s) / Years / Specialization		MS / 2012 / Civil Engineering / Texas A & M University BS / 2010 / Civil Engineering / Louisiana State University	
Active registration number / state / expiration date		PE.0040975 / Louisiana / 03-31-2023 ATSSA Traffic Control Supervisor, expires 04-29-2026 ATSSA Traffic Control Flagger, expires 01-17-2024	
Year registered	2016	Discipline	Civil
Contract role(s) / brief description of responsibilities		MPR 5. TRANSPORTATION/ROADWAY DESIGNER	
Mr. Pitre meets MPR 5 and will serve as Roadway Engineer with experience in planning and geometric design for a variety of projects. He has worked in the public sector at the Louisiana Department of Transportation and Development in the Construction and Road Design sections before working as an engineering consultant. He has experience with safety retainers on both design and construction sides.			
Experience dates	Experience and qualifications relevant to the proposed contract		
11/21 - Ongoing	US 371: KCS RR Overpasses HBI, Webster Parish, Louisiana. LADOTD. Transportation Engineer/Project Manager. Mr. Pitre is the project manager of the project while also serving as the roadway design lead for the project who will oversee the delivery of the Preliminary and Final roadway and bridge design plans. The project consists of the design and replacement of three bridges which cross over a KCS railroad line at two different locations in Webster Parish (Sibley and Minden). The new bridges will be concrete girder-type and includes widening the two existing bridges in Minden to accommodate an additional travel lane for each bridge. A detour bridge will also be included for the Sibley location. Strict adherence to the KCS railroad design guidelines as well as adequate coordination with KCS will have to be maintained during all phases of design.		
08/22 – Ongoing	Barksdale AFB Entrance Road and Gate Complex, Design-Build, Bossier Parish, Louisiana. Transportation Engineer. Mr. Pitre is responsible for the roadway design and construction plan development of this project. The project consists of the design and construction of an extension of an existing state-owned highway, LA 1267, along with a new multi-lane roundabout. The new roadway will be a 4-lane divided highway entrance into the Barksdale AFB. Mr. Pitre is mainly responsible for the development of the 3D roadway design model for the project as well as overseeing the delivery of the construction plans.		
04/22 - Ongoing	LA 30: EBR P/L – I-10, Iberville and Ascension Parishes, Louisiana. LADOTD. Transportation Engineer/Project Manager. Mr. Pitre is the project manager of the project while also serving as the lead roadway design engineer for the project. The project is an environmental assessment (EA) which consists of widening approximately 14 miles of LA 30 from two lanes to at least four lanes. Mr. Pitre is responsible for generating the line-and-grade diagrams to evaluate the reasonable alternatives based on the traffic analysis and recommended improvements to the major intersections along the project limits.		
08/19 – 12/19	Alphonse Forbes Road Bridge Replacement, Central, Louisiana. East Baton Rouge Parish, Louisiana. Transportation Engineer. Mr. Pitre assisted on this project by collecting relevant design data, as-built drawings, and similar go-by project drawings and documents.		



	He was responsible for compiling preliminary hydraulics study reports, assembling roadway design standards, performing QC/QA reviews of roadway drawings and other project deliverables, and generating a preliminary construction cost estimate.
06/18 – 12/19	US 90 Ramps at LA 88 Roundabouts, New Iberia, Louisiana / Highway Safety Design Retainer, LADOTD. Lead Roadway Designer . Mr. Pitre served as lead Roadway Design Engineer for this project whose scope consisted of converting the eastbound and westbound U.S. 90 ramp terminals into two multi-lane roundabouts, along with making improvements to the existing drainage network (sub-surface and open ditch) to increase hydraulic capacity. Since the local project representatives expressed concerns for design solutions aimed at reducing flooding during intense rain events, many of the existing cross drains, side drains, and existing roadside ditches needed to be upsized. Other safety measures were implemented in this project by the following measures: safety end treatments on culvert ends adjacent to LA 88, guard rail improvements based on the latest DOTD design standards, flexible traffic delineators separating lanes of opposing traffic flow, and two U-turns (bulb-outs) added along LA 88 on each side of U.S. 90. Responsible for roadway design and construction plan production, completing the 100% Preliminary Plans based on comments from the client at the Plan-In-Hand meeting. This involved resolution of all the client's comments from the 100% Preliminary Plans submittal which involved items such as: modifying the typical pavement sections and details, adjusting the roadside ditch geometry, revising the construction sequencing layout, modifying the drainage design, and creating the permanent signing and pavement marking layout sheets. Responsible for developing and delivering the 100% Final Plans as the Engineer of Record which involved determining the required quantities of the required construction items and developing the accompanying construction cost estimate.
12/17 – 07/18	U.S. 190B at Jefferson Avenue Roundabout Design for Highway Safety Design Retainer, Covington, Louisiana. LADOTD. Roadway Design Engineer . Responsible for design and construction plan production for this project, whose scope consisted of converting a four-way intersection into a single-lane roundabout in downtown Covington in an area of narrow right-of-way limits. Responsible for completing 100% Preliminary Plans based on comments from the client (DOTD) at the Plan-In-Hand meeting. This involved making several changes to the plans such as: revisions to the typical pavement section and details, plan and profile sheets, and construction sequencing sheets. Responsible for developing the 60% Final Plans which involved resolution of all the client's comments from the 100% Preliminary Plan submittal, determining the required construction items, and developing the accompanying construction cost estimate. Other work included hydraulics calculations utilizing DOTD's HYDRWIN drainage program and preparation of the hydraulics report. During the 60% Final Plans development stage, this project was halted by DOTD based on the significant real estate cost for acquisition of an adjacent property (gas station on intersection corner).
11/15 – 06/17	Francis Road Extension, Covington, Louisiana. St. Tammany Parish Government. Transportation Engineer . Assisted in design and construction plan production of a two-lane asphalt roadway extension project to better serve local community by providing better connectivity between the local subdivisions and a recreational facility. Responsible for conducting drainage analysis to compare pre- and post-development drainage design and to determine required culvert sizing for new, required cross drain, as well as nearby roadside drainage structures. Mr. Pitre's other responsibilities included assembling construction plans for the client, which highlighted the different roadway alignment alternatives. These options were presented to give the client an idea of what the impact financially and logistically would be.


Firm employed by Michael Baker					
Name	Kenneth Collins, PE		Years of relevant experience with this employer	➡ 38	
Title	Bridge Engineering Manager		Years of relevant experience with other employer(s)	➡ 0	
Degree(s) / Years / Specialization			BS / 1983 / Civil Engineering / Louisiana State University		
Active registration number / state / expiration date			PE.0033109 / Louisiana / 09-30-2023		
Year registered	2007		Discipline	Civil	
Contract role(s) / brief description of responsibilities			MPR 5. ROADWAY QA/QC MANAGER		
Mr. Collins meets MPR 5 and will serve as QA/QC Manager for Roadway Design Services making sure the designers are meeting DOTD design requirements and guidelines along with the latest AASHTO Greenbook guidance.					
Experience dates		Experience and qualifications relevant to the proposed contract			
11/16 – 12/18		Mayes Street Bridge Replacement, Jackson, Mississippi. City of Jackson, Mississippi. Project Manager. Responsible for overall project management of all design disciplines. Responsible for all coordination with the client and other parties involved. Michael Baker developed final roadway and bridge construction plans to replace an existing bridge on Mayes Street that spans the ICRR railroad in Jackson, Mississippi. This project replaced the existing 160-foot-long bridge with a 224-foot-long prestressed concrete bridge.			
07/05 – 10/05		U.S. 49 Bridge “F” Over the KCSRR, Rankin County, Mississippi. Mississippi Department of Transportation. Project Manager. Responsible for roadway plans including traffic control. This project was for the revisions to roadway plans and the addition of retaining walls for replacement of U.S. 49 Bridge (Bridge “F”) over the Kansas City Southern Railroad on the U.S. 49/I-55/I-20 Interchange Rehabilitation Project (Stack No. 3).			
06/92 – 12/93		S.R. 26 Pearl River Bridge Replacement, Bogalusa, Louisiana. Project Manager. Responsible for overall project management. Produced structural design calculations and drawings for S.R. 26 bridge. Michael Baker provided engineering services for a 3,000-footlong bridge having a navigational span using Bulb-T girders and providing navigational clearances for future barge traffic.			
06/96 – 11/97		I-10 Widening, Harrison County, Mississippi, From Exit 28 to East of the Biloxi River Bridges, Harrison County, Mississippi. Mississippi Department of Transportation. Engineer. Responsible for the design of the widening of the two I-10 bridges over Fritz Creek and Biloxi River. Michael Baker provided engineering services to add one additional lane each direction to I-10 from just east of the Wolf River to just east of the Biloxi River, approximately 12.6 miles. The project included widening 10 pairs of structures.			
08/11 – 09/11		Replacement of the S.R. 512 Bridge over the Chickasawhay River, Clarke County, Mississippi Department of Transportation. Project Manager. Served as project manager for overall design and plan development. Michael Baker provided engineering services for the replacement of the S.R. 512 bridge over the Chickasawhay River. Michael Baker’s services included a review of previous design plans, field survey, and the development of final construction plans.			
04/06 – 05/13		Reconstruction of I-55 from North of Old Agency Road to South of S.R. 463, Madison County, Mississippi. Mississippi Department of Transportation. Project Manager. Responsible for overall project management and oversight of design and plan preparation. Michael Baker provided engineering services for the reconstruction of three miles of I-55 from Old Agency Road to S.R. 463. The reconstruction created a split-diamond interchange with frontage roads and several bridges and retaining walls. A new four-lane boulevard was constructed as the southern leg of the interchange, and an existing two-lane road was reconstructed into a four-lane boulevard as the northern leg. Additional bridges and retaining walls were also constructed along these roads. Michael Baker			

	provided field surveys, digital orthophotography mapping, preliminary and final roadway, bridge, and retaining wall design; hydraulics and hydrology; maps and deeds; signalization, intelligent transportation system, and lighting design; construction phase services; and quality control/quality assurance.
01/01 – 12/02	I-55/I-20/ U.S. 49 Rehabilitation; Stack #3 Design Phase, Jackson, Mississippi. Mississippi Department of Transportation. Project Manager. Responsible for contract administration and oversight of project; the re-design and updating of previously designed plans for the major interchange of one highway and two interstates in Jackson, Mississippi. Work included updating 15-year-old plans to current standards and specifications, modification of alignments, recreating traffic control and all other aspects of this major interchange, including re-design of a curved plate girder “fly-over” bridge. Michael Baker provided engineering services (field surveys, preliminary through final design, and certain construction phase services including public relations assistance) for the rehabilitation of the interchanges of I-20 with both I-55 and U.S. 49 in Jackson, Mississippi. The total project will be built through a series of four separate construction contracts, all designed by Michael Baker. Current project is “STACK III”. The project was awarded “The 2010 Grand Conceptor” Award for Engineering Excellence presented by the American Council of Engineering Companies of Mississippi.
05/11 – 02/13	I-269 from East of I-55 to North of S.R. 305, DeSoto County, Mississippi. Mississippi Department of Transportation. Technical Manager. Responsible for the overall technical management of the design and preparation of the plans, including the contract administration portion of the project. Michael Baker provided engineering services for I-269 from east of I-55 to north of S.R. 305. Michael Baker’s services included detailed mapping from aerial photography, field surveys, traffic analysis, the preparation of final right-of-way plans, and preparation of final construction plans.

Firm employed by Michael Baker			
Name	J. Brooks Miller, Jr., PE, PTOE	Years of relevant experience with this employer	➡ 23
Title	Traffic and Roadway Engineer	Years of relevant experience with other employer(s)	➡ 0
Degree(s) / Years / Specialization		MS / 1998 / Civil Engineering / Mississippi State University BS / 1996 / Civil Engineering / Mississippi State University	
Active registration number / state / expiration date		PE.0034472 / Louisiana / 09-30-2023	
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities		ROADWAY ENGINEER / TRAFFIC ENGINEER QA/QC	
Mr. Miller will serve a roadway engineer along with providing support for roadway design and traffic operations. He has taken the DOTD required traffic modules to practice traffic engineering for the DOTD.			
Experience dates	Experience and qualifications relevant to the proposed contract		
05/19 – 09/19	S.R. 6 (U.S. 82) Widening and Additional Lanes from S.R. 14 to U.S. 31, Prattville, Alabama. Alabama Department of Transportation. Project Manager. Responsible for roadway and drainage design for Final Construction Plans to the client for a three-mile highway widening project on U.S. 82 in Prattville, AL. Project included the replacement of two bridges. A hydraulic bridge over Autauga Creek and a second bridge over a Norfolk Southern Railroad line. The project also included the design for asphalt paving with a concrete paving alternate.		
02/17 – 08/18	S.R. 304 and McIngvale Road Interchange, Final Construction Plans, Desoto County, Mississippi. Mississippi Department of Transportation. Project Manager. Michael Baker developed Phase B Final Contract Plans for a new diamond interchange at S.R. 304 and McIngvale Road. Michael Baker provided final design for four ramps and developed a 3D design model of the new interchange using PowerGeopak. Included in this contract, Michael Baker developed drainage plans, permanent signing and pavement marking plans, traffic control plans and details, construction signing, and traffic signal design for two traffic signals located at the EB and WB ramp intersections with McIngvale Road. Michael Baker prepared intelligent transportation system (ITS) plans and details for a fiber connection between traffic signals and existing ITS infrastructure.		
04/06 – 08/11	Reconstruction of I-55 from North of Old Agency Road to South of S.R. 463, Madison County, Mississippi. Mississippi Department of Transportation. Civil Engineer. Responsibilities included roadway design, plan/profile sheets, form grades, pavement marking details, permanent signing details and earthwork quantities. Michael Baker provided engineering services for the reconstruction of three miles of I-55 from Old Agency Road to S.R. 463. The reconstruction created a split-diamond interchange with frontage roads and several bridges and retaining walls. A new four-lane boulevard was constructed as the southern leg of the interchange, and an existing two-lane road was reconstructed into a four-lane boulevard as the northern leg. Additional bridges and retaining walls were also constructed along these roads. Michael Baker provided field surveys, digital orthophotography mapping, preliminary and final roadway, bridge, and retaining wall design; hydraulics and hydrology; maps and deeds; signalization, intelligent transportation system, and lighting design; construction phase services; and quality control/quality assurance.		
04/07 – 02/13	I-269 from East of I-55 to North of S.R. 305, DeSoto County, Mississippi. Mississippi Department of Transportation. Project Manager. Responsible for the project management, budget setup, roadway design plans and details, QA/QC and final submittal of		



	roadway design plans. Michael Baker provided engineering services for I-269 from east of I-55 to north of S.R. 305, and services included detailed mapping from aerial photography, field surveys, traffic analysis, the preparation of final right-of-way plans, and preparation of final construction plans.
01/13 – 07/14	U.S. 49 Improvements between Florence and the Scales Area, Rankin County, Mississippi. Mississippi Department of Transportation. Technical Manager. Responsible for traffic signal design, ITS, and sign and pavement marking. Michael Baker provided engineering services for roadway and bridge construction on U.S. 49 between Florence and the Scale Area just south of I-20. Michael Baker's services included the development of detailed design plans for bridges and roadway, including lighting, traffic control, signing, signalization, and intelligent transportation systems.
02/10 – 11/10	I-15 Corridor Expansion, Utah County, Utah. Utah Department of Transportation. Civil Engineer. I-15 CORE was a \$1.2 billion project in Utah County that included the reconstruction of 24 miles of I-15, including 10 interchanges and 63 bridges. Served as the Maintenance of Traffic Manager from February 2011 to project completion in December 2012. Responsibilities included providing maintenance of traffic (MOT) and construction phasing design. Coordinated and resolved traffic issues with owners, contractors and local agency stakeholders. Responsible for submitting Requests and Notices of Closures with UDOT, conducted Technical Workgroup meetings, and handled MOT design changes during construction. Served as the Maintenance of Traffic (MOT) Design Lead from project startup in January 2010 to February 2011. Provided the maintenance of traffic and construction phasing design for the four-mile segment of I-15, including three full interchanges. Michael Baker provided design services for a four-mile segment of the I-15 Corridor Expansion Project, including three full interchanges. Michael Baker's services included highway design, structural design, accelerated bridge construction design, design management, maintenance and protection of traffic management, drainage design, and construction phasing for a four-mile segment of the I-15 Corridor Expansion Project.
12/09 – 01/14	I-55/S.R. 570 Interchange Improvements, McComb, Mississippi. Mississippi Department of Transportation. Project Manager. Responsible for the project management, budget setup, plan design and detail, quantity calculations, QC/QA, and final roadway design and traffic signal plans. Under an engineering services master agreement, Michael Baker performed the field survey and developed final roadway and traffic signal design plans for interchange improvements at the I-55 and S.R. 570 interchange. The project widened and lengthened the entrance and exit ramps to add turn lanes and included two new traffic signals on S.R. 570. Michael Baker performed the traffic modeling for the improvements and designing conduit and fiber-optic cable installations to interconnect the new traffic signals with the master system.



Firm employed by Michael Baker				
Name	Nathan Green, PE	Years of relevant experience with this employer	➡ <1	
Title	Civil Engineer Jackson, MS	Years of relevant experience with other employer(s)	➡ 7	
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering / Mississippi State University		
Active registration number / state / expiration date		29605 / Mississippi / 12-31-2022		
Year registered	2018	Discipline	Civil	
Contract role(s) / brief description of responsibilities		ROADWAY DESIGN ENGINEER		
Mr. Green will serve a roadway design engineer. He is a former MDOT roadway engineer and has years of experience with state agencies design standards and guidelines.				
Experience dates	Experience and qualifications relevant to the proposed contract			
01/17 – 04 /22	Diamondhead/I-10 Roundabouts, Mississippi Department of Transportation. Provided preliminary roadway design of dual lane roundabouts at the I-10/Diamondhead interchange. Served as the MDOT project manager for complete Phase A plans with the addition of a third dual lane “mini” roundabout. The project will mitigate congestion by upgrading the stop-controlled intersections to roundabouts as well as provide access management along the corridor and a multi-use path.			
11/15 – 11/18	S.R. 404 Bridge Replacement, Montgomery County, Mississippi Department of Transportation. Served as the Roadway Designer to develop Phase A plans for the replacement of two bridges on S.R. 404 in Montgomery County. Site 1 was a road-closed off-site detour due to proximity to the interstate. Site 2 included an on-site detour to maintain traffic during construction.			
02/16 – 04/22	I-10 Widening, Hancock and Harrison County, Mississippi Department of Transportation Developed Phase A Plans for the widening to six-lanes of I-10 between Diamondhead and the Wolf River in Hancock and Harrison counties. Plans included a 3D model of the 12-mile corridor.			
08/18 – 03/19	U.S. 90 Intersection Improvements, Jackson County, Mississippi Department of Transportation. Served as the MDOT Project Manager for the development of Phase B plans for a hybrid “Super Street” along 4.6 miles of U.S. 90 in Jackson County. The project improved access management along the corridor, improved drainage, and provided signal improvements.			
01/19 – 01/21	S.R. 43 Bridge Replacement, Pearl River County, Mississippi Department of Transportation. Served as the MDOT Project Manager for the development of Phase A and Phase B plans for the replacement of a bridge in Pearl River County along S.R. 43. Due to the rural location of the bridge, the road will be closed during construction and realigned to improve the angle with the channel.			
08/19 – 04/22	U.S. 98 Bridge Replacement, Marion County, Mississippi Department of Transportation. Served as the MDOT Project Manager for the replacement of twin bridges on U.S. 98 in Marion County crossing the Pearl River. Phase A and Phase B plans were developed at an expedited rate due to scour issues on the existing bridges.			
11/18 – 03/19	U.S. 49 Safety Improvements, Forrest County, Mississippi Department of Transportation. Served as the MDOT Project Manager for safety improvements along 19.3 miles of U.S. 49 in Forest County. Improvements included shoulder widening and improved clear zone along the corridor, multiple J-turns, intersection alignment improvements, and 3R improvements at multiple crest vertical curves with poor sight distance.			

Firm employed by Michael Baker			
Name	Alexis Harrouch, EI		Years of relevant experience with this employer ➡ <1
Title	Engineer Intern		Years of relevant experience with other employer(s) ➡ 1.5
Degree(s) / Years / Specialization		B.S. / 2020 / Civil Engineering	
Active registration number / state / expiration date		EI.0034742 / LA / 06-30-2023 Traffic Control Technician-LA State Specific / August 2026 Traffic Control Supervisor-LA State Specific / August 2026	
Year registered	2021	Discipline	Civil
Contract role(s) / brief description of responsibilities		TRANSPORTATION / ROADWAY DESIGNER	
Ms. Harrouch will serve a transportation/roadway designer responsible for the development of horizontal and vertical alignments, roadway hydraulics, development of 3D design models, and development of construction plans.			
Experience dates	Experience and qualifications relevant to the proposed contract		
08/21 - 08/22	Perkins Road, East Baton Rouge Parish, Louisiana. East Baton Rouge Parish. Engineer Intern. Responsible for the design of a section of roadway drainage. Additional responsibilities included the takeoff of project quantities along with participating in the development of geometry design for the project as well as the development of a striping layout.		
01/21 – 09/22	I-49 Connector, Lafayette, Louisiana. Lafayette Parish. Engineer Intern. Responsible for the development of preliminary typical sections, cross sections and roadway models through the use of Microstation and Inroads Select Series 2. Developed vehicle turning move layouts with the use of Transoft AutoTurn along with participating in the development of geometry design for the project. Additional responsibilities included roundabout design in the core area along with the required tapers per LADOTD Standards.		
02/21 – 04/22	Constantin, East Baton Rouge Parish, Louisiana. East Baton Rouge Parish. Engineer Intern. Responsible for the development of project design quantities along with the development of signing and striping layouts. Additional responsibilities included the development of geometric detail and layout sheets for the project.		
10/22 – Ongoing	US 371: KCS RR Overpasses HBI, Webster Parish, Louisiana. LADOTD. Transportation/Roadway Designer. Responsible for the horizontal layout of detour road/bridge for the replacement of the existing bridge at Sibley, LA. Additional responsibilities include the develop of construction plans that meet DOTD and KCS RR requirements.		
10/22 – Ongoing	Barksdale AFB Entrance Road and Gate Complex, Design-Build, Bossier Parish, Louisiana. Transportation/Roadway Designer. Responsible for the quantity takeoff and development of construction plans for contractor on a design-build project for new entrance roads for Barksdale AFB. The project consists of the design and construction of an extension of an existing state-owned highway, LA 1267, along with a new multi-lane roundabout. The new roadway will be a 4-lane divided highway entrance into the Barksdale AFB.		



Firm employed by Michael Baker			
Name	Lei Wang, PhD, PE, PMP, CFM		Years of relevant experience with this employer ➡ 3
Title	Project Manager		Years of relevant experience with other employer(s) ➡ 7
Degree(s) / Years / Specialization		PhD / 2001 / Civil Engineering, University of Missouri at Columbia MS / 1989 / Environmental Engineering / Tsinghua University, China BS / 1987 / Environmental Engineering / Tsinghua University, China	
Active registration number / state / expiration date		PE.0016165 / Mississippi / 12-31-2022	
Year registered	2018	Discipline	Civil
Contract role(s) / brief description of responsibilities		HYDRAULICS / DRAINAGE ENGINEER	
Ms. Wang will serve as a drainage engineer to provide support to the roadway design team for task orders that would require hydraulic analysis and design. If a project requires replacement/modification of a bridge or box culvert, she will oversee the development of hydraulic modeling for sizing of structures design drainage opening.			
Experience dates	Experience and qualifications relevant to the proposed contract		
09/19 – 11/20	Helena Drainage Improvements, Jackson, Mississippi. Jackson County Board of Supervisors. Hydraulic Engineer. Responsibilities included hydraulic SRH-2D modeling to simulate the flooding condition and drainage improvement design. MBI is providing Engineering and Related Services for Black Creek watershed drainage improvements and flood reduction study for Helena, MS.		
04/18 – 11/18	Maydell Bridge Replacement, Tampa, Florida. Florida Department of Transportation. Hydraulic Engineer. Responsibilities included hydraulic modeling and scour analysis. MBI is providing engineering services for replacing the existing 616-foot-long Maydell Drive Bridge over Palm River in Tampa, Florida with a bridge of similar length on the current horizontal alignment, while maintaining the existing vertical clearance and providing the minimum required horizontal clearance at the navigational channel..		
08/18 – 11/18	Appalachian Corridor V Bridge Project, New Caney, Texas. Mississippi Department of Transportation. Hydraulic Engineer. Responsibilities included hydraulic modeling and scour analysis. MBI provided design and engineering services for bridge hydraulics, conceptual and final bridge construction plans, and construction engineering services for four twin hydraulic bridge crossings on the Appalachian Corridor "V" alignment (S.R. 76) from Fairview to S.R. 23.		
01/17 – 03/18	U.S. Highway 49 Improvements between Florence and the Scales Area, Rankin County, Mississippi. Mississippi Department of Transportation. Civil Engineer. Responsibilities included roadway drainage and storm water inlet design as well as a No-Rise hydraulic study for three roadway crossings. MBI provided engineering services for roadway and bridge construction on U.S. 49 between Florence and the Scale Area just south of I-20 in Rankin County.		



Firm employed by Michael Baker			
Name	Mohamed Bagha, PE, PMP, CFM		Years of relevant experience with this employer  17
Title	Water Practice Lead		Years of relevant experience with other employer(s)  6
Degree(s) / Years / Specialization		Master's Certificate / 2011 / Project Management Program / University of Pittsburgh, Katz Graduate School of Business M.E. / 2003 / Civil Engineering / The State University of New York at Buffalo B.E. / 1998 / Civil Engineering / National Institute of Technology / Nagpur, India	
Active registration number / state / expiration date		102919 / TX / 03-31-2023	
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities		HYDRAULICS / DESIGN ENGINEER	
Mr. Bagha will serve a technical advisor to the hydraulics/drainage team for task orders requiring drainage analysis and design. He will also support the team if hydraulic modeling is required for the replacement/modification of drainage structures.			
Experience dates	Experience and qualifications relevant to the proposed contract		
03/15 – 04/16	IH 35 at 51st Street, Austin, Texas, CSJ 0015-13-380, TxDOT AUS. Mr. Bagha served as Drainage TL for PS&E for the reconstruction of IH 35 at 51st Street. The project included mainlanes, frontage roads, Collector-Distributor roads and ramps. Mr. Bagha designed proposed storm sewer systems and modifications to existing systems. He modeled and designed two detention ponds, including restrictors, risers and trash racks using a combination of GEOPAK, XP-SWMM and HEC-RAS. He also designed the outfall connections to undersized existing receiving systems serving the frontage roads. Mohamed used HEC-RAS to perform hydraulic impact assessments for the proposed improvements to the storm sewer outfalls into Boggy Bayou and Tannehill Branch. He evaluated the hydraulic adequacy of the existing cross drainage culverts using HEC-RAS. Mohamed also responded to contractor RFIs and reviewed drainage shop drawings.		
09/15 – 03/20	I-10 Corridor, Columbus and Yoakum, TX TxDOT. As Drainage Task Lead , Mr. Bagha was responsible for leading the drainage analysis, preliminary design, and impact mitigation for the I-10 corridor study that spans 120 miles and extends across the San Antonio, Austin and Yoakum Districts. Evaluated existing internal and cross-cross-drainage structures and used hydrologic models (Rainfall Runoff models using HEC-HMS, Rational Method) and hydraulic models (HY8, EPASWMM, HEC-RAS, XP-2D HEC-RAS 2D) to analyze adequacy of over 150 existing culverts and bridges and design replacement structures where needed for compliance with criteria in TxDOT's Hydraulic Design Manual.		
05/18 – 09/20	I-37 Engineering and Environmental Services, Corpus Christi, TX TxDOT. As Drainage Task Lead , Mr. Bagha performed hydrologic and hydraulic modeling for existing and proposed conditions at Nueces River bridge crossing, performed impact analysis and mitigation. Mr. Bagha developed drainage report and coordinated with client. Michael Baker provided structural, environmental, and hydrological engineering services for the preparation of plans, specifications, and estimates (PS&E) for the widening of I-37 in Corpus Christi, Texas. Services included preparing roadway and bridge designs, hydrologic and hydraulic designs, designs for stormwater drains and traffic signals, surveying, geotechnical data collection, subsurface utility engineering, and design support. Michael Baker prepared environmental permitting to meet the guidelines of the Clean Water Act and the Rivers and Harbors Act.		



06/11 – 12/12	<p>U.S. 290 Manor Expressway Design-Build Services, Travis County, Texas. Central Texas Mobility Constructors Joint Venture. Water Resources Engineer. Performed hydrologic and hydraulic modeling pre-project and post-project conditions for impact analyses, using HEC-HMS and HEC-RAS. Sized cross drainage structures to convey design storm without causing adverse impacts (ensuring compliance with NAI principles). Prepared drainage report documenting impacts and impact mitigation. Participated in coordination meetings with reviewers and client representatives. As part of a design-build team, Michael Baker led engineering services for the Manor Expressway (U.S. 290 East), a fully controlled-access, six-mile-long toll highway that is being constructed in the median of U.S. 290, between U.S. 183 and Parmer Lane to east of State Highway 130. The Manor Expressway alleviates congestion and safety concerns and support the regional transportation network. Michael Baker developed designs for the new tollway, bridges, and frontage roads, including drainage systems and traffic</p>
06/13 – 06/20	<p>French Creek Natural Waterway Conveyance Improvement – PER and Design Services, Helotes, TX Bexar County. As Project Manager, Mr. Bagha's responsibilities included overall project management, client coordination, invoicing, schedule and quality responsibilities, subcontractor coordination, and preparing deliverables for the 40%, 70% and 95% submittals. He was also responsible for hydrologic and hydraulic modeling of existing and proposed conditions align the channel to demonstrate impacts of the conveyance improvements to the flooding along French Creek and its tributaries. Michael Baker was the prime contractor in developing a preliminary engineering report (PER) and construction documents in support of a project that will provide flood relief along French Creek. The project lies within a natural stream within the Edwards Aquifer recharge zone. Michael Baker developed environmentally acceptable ways to make improvements to the stream corridor between FM 1560 and Loop 1604. In addition, Michael Baker identified drainage improvements to the intersection of Diamond K Road and Bar X Trail. Michael Baker reviewed existing documents, performed a hydrology/hydraulic study requested a letter of map revision (LOMR), provided flood reduction and natural channel design, developed and analyzed alternatives, and prepared an opinion of probably costs.</p>


Firm employed by Michael Baker			
Name	Aaron Dunavant, EI		Years of relevant experience with this employer
Title	Civil Engineer	Years of relevant experience with other employer(s)	
Degree(s) / Years / Specialization		BS / 2015 / Biological and Agricultural Engineering / Texas A&M University	
Active registration number / state / expiration date		EI.52242 / Texas / 06-04-2023 *Currently scheduled to take PE Exam in October 2022.	
Year registered	2015	Discipline	Civil
Contract role(s) / brief description of responsibilities		HYDRAULICS / DRAINAGE ENGINEER	
Mr. Dunavant will serve a hydraulics/drainage engineer responsible for the hydraulic analysis and design for task order projects. Mr. Dunavant has a background of hydraulic/hydrology modeling that will serve the drainage team if channel modeling is required for any replacement/modification for drainage structures.			
Experience dates	Experience and qualifications relevant to the proposed contract		
09/21 – Ongoing	Louisiana Watershed Initiative Modeling Contract – Region 6, Louisiana. DOTD. HEC-RAS Modeler. Responsible for gathering background data and creating a 2D HEC-RAS model for the East Coastal Louisiana HUC-model in Region 6. Additional responsibilities include troubleshooting the models for errors along with the insertion of bridge structures and calibrating the model. Created technical memos detailing all information and data from model. Project includes creating the GIS breaklines within the HEC-RAS models.		
01/22 – Ongoing	Louisiana Watershed Initiative Modeling Contract – Region 4, Louisiana. DOTD. HEC-RAS Modeler. Responsible for gathering background data and creating a 2D HEC-RAS model for the Sabine River HUC-model in Region 4. Additional responsibilities include troubleshooting the models for errors along with the insertion of bridge structures and calibrating the model. Created technical memos detailing all information and data from model. Project includes creating the GIS breaklines within the HEC-RAS models.		
07/17 – 05/18	Houston Arboretum and Nature Center (HANC) Ravine Restoration Project, Houston, Texas. Houston Arboretum and Nature Center. Project Engineer, CAD Designer, HEC-RAS Modeler. Perform initial site conditions survey and topography survey. Create construction plan set and details using CAD software. Perform scour analysis on proposed bridge design. HANC Project SWG - 2017-00075. This project involves 1000 linear feet of stream at the Houston Arboretum and Nature Center. This project rehabilitates the banks of the ravine and the replacement of two existing bridges with new bridge structures.		
08/17 – 02/18	Spindletop Bayou Wetland Mitigation Bank Design, Chambers County, Texas. Wildwood Credits. CAD Designer, HEC-RAS Modeler. Responsible for creating base DEM file using existing LIDAR and merge with point survey. Created 2D model in HEC-RAS to calculate size of levee breach needed to create wetlands. Used CAD Software to calculate cut/fill totals for constructed levees and mitigation bank design..		
05/16 – 10/18	2D Modeling Simulations for Hydraulic Impacts of Hudson Forest Bank Erosion, Houston, Texas. HEC-RAS Modeler. Responsible for surveying project area with Trimble and bathymetry and combining with existing LIDAR to create DEM. Used HEC-RAS to create multiple proposed scenarios and calculate the difference shear stresses on the design bank.		





Firm employed by Michael Baker			
Name	Philip Walker, PE	Years of relevant experience with this employer	4
Title	Transportation Engineer	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization		M.S.C.E. / 1991 / Structural Engineering / Georgia Institute of Technology B.S.C.E. / 1990 / Structural Engineering / Tennessee Technological University	
Active registration number / state / expiration date		PE.0046394 / Louisiana / 09-30-2024	
Year registered	2022	Discipline	Civil
Contract role(s) / brief description of responsibilities		BRIDGE TECHNICAL ADVISOR	
Mr. Walker will serve as bridge technical advisor for task orders that may involve the replacement of any design/replacement/modification of major structures.			
Experience dates	Experience and qualifications relevant to the proposed contract		
10/21 - Ongoing	SR 28 Bridge over the Strong River, Simpson County, Mississippi. Mississippi Department of Transportation. Technical Advisor. Philip is providing suggestions and guidance to the team while guiding responses to client comments for the design of a three span post-tensioned spliced precast concrete beam bridge across the Strong River.		
12/14 – 01/15	Harrisburg Overpass, Houston METRO East Corridor Project, Houston, Texas. Houston METRO. QAQC Review. Philip provided QC Review of the 885-foot-long bridge carrying both two tracks of light rail and two lanes of highway traffic. He reviewed both calculations and each plan phase submittal. Project consisted of multiple spans of precast concrete girders made continuous for live load with a substructure containing multiple reinforced concrete straddle bents supported on drilled shafts. Direct fixation was used to connect rails to raised plinths to superstructure deck.		
03/09 – 04/14	Mid-Bay Bridge Authority General Engineering Contract – Phase 2 and Phase 3, Okaloosa County, Florida. Mid-Bay Bridge Authority. Philip was the Structural Project Manager and Engineer of Record responsible for all structures along the 8 mile corridor. Project includes three grade separation structures and five waterway crossings. Project highlights included minimization of wetlands impacts, prohibition on stream construction to protect endangered species, use of hybrid girders and weathering steel, and use of work trestles at various locations. Project also includes an overhead gantry to facilitate tolling along with other standard overhead sign structures.		
02/07 - 05/09	HBT Bridge over HBT Railroad - Houston METRO North Corridor Project, Houston, Texas. Houston METRO. QC Reviewer. Mr. Walker was the QC reviewer for structural details along the 1722' viaduct supporting twin light rail tracks. The bridge consisted of fifteen spans of precast Texas U-beam superstructure and a central 426' unit consisting of a 3 span structure consisting of parallel steel box girders. Mr. Walker was the Engineer of Record for a Rolling Stock Analysis of a three-span continuous steel box girder superstructure supporting two parallel light rail tracks. The special study was conducted to verify the appropriateness of live load impact factors used. The work consisted of conducting a time history analysis of vehicles traveling across the structure using the modal superposition technique.		
11/08 - 09/13	Main Street Bridge over White Oak Bayou – Houston METRO North Corridor Project, Houston, Texas. Houston METRO. Engineer of Record. Philip was the Engineer of Record for design of strengthening and reconstruction of the historic structure for purpose of carrying light rail tracks. Historic requirements and permit limitations dictated use of an atypical structural system consisting of		



	reinforced concrete T-beams spanning up to 80 feet for the 420-foot-long bridge. Bridge deck and track profile was required to match the existing bridge grade which transitioned 20 feet vertically from the north bank of the waterway up to a track station platform at the third floor of the University of Houston campus building.
06/05 - 12/11	Mid-Bay Bridge Authority General Engineering Contract – Phase 1, Okaloosa County, Florida. Mid-Bay Bridge Authority. Philip was the Structural Project Manager and Engineer of Record responsible for all structures along the 3.5-mile corridor. Project includes three bridge structures with various walls, sign structures, and mastarms. Bridge structures include two 245-foot simple span hybrid steel plate girder structures and a 95-foot simple span AASHTO Type IV girder structure.
07/06 - 12/11	SR 559 over CSX Railroad, Polk County, Florida. Florida Department of Transportation District 1. Philip was the Structural Project Manager and Engineer of Record for the 422-foot AASHTO Type VI girder bridge. Adjacent storage tanks necessitated requirement of drilled shaft foundations at both intermediate piers and end bents to minimize construction vibrations. Project included wrap-around MSE walls and various cantilever sign structures.
02/06 - 01/09	Leisey Road Extension Project, Hillsborough County, Florida. Newland Communities. Structural Project Manager and Engineer of Record . Mr. Walker served as the Structural Project Manager and Engineer of Record for all structures along the corridor. The project included a 160-ft. truss bridge carrying two lanes of traffic with sidewalks across CSX railroad tracks at the entrance to the housing development. The project's design reflected incorporation of the requirements of FDOT's Florida Greenbook. The structure's span length across the tracks satisfied FDOT's requirements for horizontal clearance when crash walls were not provided. The Pratt Truss utilizing weathering steel provided the aesthetic look of an "old railroad bridge" that was desired by the owner. The development's fees incorporated maintenance costs for stain removal from concrete surfaces due to use of weathering steel.
03/05 - 02/13	SR 79 over Holmes Creek, Vernon, Florida. Florida Department of Transportation District 3. Philip was the Structural Project Manager and Engineer of Record for the twin 1000-foot AASHTO Type IV girder bridges. He was responsible for all contract documents for the bridge, retaining walls (anchored sheet pile), and mastarm structures. The presence of artesian pressure and swampy conditions required the design of two foundation solutions – steel pipe piles and drilled shafts. He provided technical direction and supervision to a staff of three engineers and two technicians.
12/98 - 03/00	US 17 Bridge Replacements, Duval County, Florida. Florida Department of Transportation District 2. Philip was the Project Manager for construction assistance and shop drawing review for construction at seven sites along the corridor. Superstructure types consisted of box culverts, reinforced concrete flat slabs bridges, and bridges utilizing precast concrete AASHTO girders. Both drilled shafts and driven piling were used for deep foundations.




Firm employed by Michael Baker				
Name	Jeffrey McRae, PE	Years of relevant experience with this employer	➡ 24	
Title	Technical Manager - Bridge	Years of relevant experience with other employer(s)	➡ 0	
Degree(s) / Years / Specialization		B.S. / 1996, Civil Engineering / Mississippi State University		
Active registration number / state / expiration date		PE.0034554 / LA / 09-30-2023		
Year registered	2009	Discipline	Civil	
Contract role(s) / brief description of responsibilities		BRIDGE DESIGN ENGINEER		
Mr. McRae will serve as structural design leader if task orders require new/replacement/modification of existing structures.				
Experience dates	Experience and qualifications relevant to the proposed contract			
11/21 – Ongoing	US 371: KCS RR Overpasses HBI, Webster Parish, Louisiana. LADOTD. Bridge Design Lead. Mr. McRae is serving as the Bridge Design Lead for the replacement of 3 bridges along US 371 at 2 locations: Sibley, La and Minden, LA. His responsibilities include overseeing the bridge design calculations and development of bridge plans making sure they meet both DOTD and KCS Railroad Design Guidelines. Project does include the design of a detour structure (Akrow Bridge) for the bridge site at Sibley in order to keep US 371 open under traffic.			
01/06 - 12/12	S.R. 27 Reconstruction Between the Kansas City Railroad and US 80, State Route 27, Vicksburg, Mississippi. Mississippi Department of Transportation. Project Manager. Responsibilities included project management, generation of engineering design calculations, bridge geometry, bridge quantities and conceptual through final design contract plans. This project consisted of preparation of right-of-way and construction plans to reconstruct S.R. 27 between the Kansas City Railroad and US 80 in Warren County, MS. Michael Baker performed bridge and retaining wall design as well as roadway lighting. Suconsultants, ABMB and CivilTech, provided the necessary roadway design.			
01/10 - 04/13	S.R. 16 from S.R. 15 to S.R. 19 Bridge Design, Neshoba County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through preliminary bridge design contract plans for ten bridges. 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.			
12/00 - 01/04	S.R. 22 / Nissan Roads, Madison County, Mississippi. Mississippi Department of Transportation. Assistant Engineer. Responsibilities included generation and checking of engineering design calculations, bridge quantities and final design contract plans. Responsibilities also included generating all bridge design calculations and contract plans for an AASHTO beam bridge located at Nissan Drive over the Illinois Central Railroad. This Nissan project was for the development of contract plans for three access roads to the site of the Nissan Plant in Canton, Madison County, Mississippi.			
11/13 - 12/19	S.R. 28 Big Creek, Quinn Creek, and Strong River Bridge Replacements, Simpson County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generating preliminary bridge R.O.W. plans, geometric calculations and design calculations for three hydraulic bridge crossings. One of the crossings, Strong River, required four separate alternates to be detailed			

	as well as a construct-ability report and cost estimate comparison discussing the advantages and disadvantages of each alternate. Michael Baker is providing engineering services for the replacement of the S.R. 28 bridges over Big Creek, Quinn Creek, and Strong River. Michael Baker's services included hydraulic analyses, scour assessments, stream bank stabilization evaluations, preparation of hydraulic analysis reports, and conceptual and preliminary design.
03/09 - 03/21	S.R. 9 Bridge Replacements, Calhoun County, Mississippi. Mississippi Department of Transportation. Project Manager. Responsibilities included overall project management, QA/QC of bridge design calculations, and generation of final contract plans. Michael Baker provided engineering and design services for final bridge construction plans for four bridge replacements: Bridge No. 35.5 over Shutispear Creek, Bridge No. 40.7 over Yalobusha River Relief, Bridge No. 40.9 over Yalobusha River, and Bridge No. 41.2 over Yalobusha River Relief on S.R.9.
09/13 - 12/16	S.R. 3 Bridge Hydraulic Design, Tate County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generating preliminary bridge R.O.W. plans, geometric calculations and design calculations for two hydraulic bridge crossings. Michael Baker provided engineering services for the replacement of the S.R. 3 bridges over Strayhorn Creek and Arkabutla Creek. Michael Baker's services included bridge hydraulic analyses, scour analysis and evaluation, bridge scour and stream bank stabilization design, and conceptual and preliminary structural design.
05/12 - 12/14	S.R. 6 West Batesville Bypass Engineering Design, Panola County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through preliminary bridge design contract plans for five bridges. Michael Baker provided engineering services for the design of the S.R. 6 West Batesville Bypass, a new six-mile, four-lane, controlled-access highway with two interchanges. Michael Baker's services included field surveying, bridge hydraulic and structural design, and right-of-way plans.
03/12 - 04/13	S.R. 178 Bridge Replacement Right-of-Way Plans, Itawamba County, Mississippi. Mississippi Department of Transportation. Engineer. Responsibilities included generation of engineering and geometric design calculations, and development of final right-of-way bridge plans for eight bridges and two box bridge extensions. Michael Baker developed final right-of-way plans for replacement of eight bridges, extension of two box bridges, removal of one box bridge, and addition of a stream relocation and a new box bridge under a relocated local road. The roadways, totaling approximately seven miles along S.R. 178 between Clay and the Alabama State Line, were upgraded either to new construction standards or to 3R standards, depending on the locations. The project was divided into five sites. Three sites required detour roads, and two sites were temporarily closed to traffic. Michael Baker also performed all hydraulic analyses at the bridges and box bridges.
04/07 - 03/10	Reunion Parkway over I-55 Interchange in Madison County, Mississippi. Madison County. Project Manager. Responsibilities included project management duties and generation of engineering design calculations, bridge geometry, bridge quantities, and conceptual through final design contract plans. This project includes bridge and retaining wall design, as well as surveying for a Single Point Urban Interchange (SPUI) located at the intersection of I-55 and Reunion Parkway in Madison County, MS. The bridge is a curved steel box girder design.

Firm employed by Michael Baker			
Name	Shalin Sheth, EI	Years of relevant experience with this employer	 <1
Title	Technical Manager - Bridge	Years of relevant experience with other employer(s)	 3
Degree(s) / Years / Specialization		M.S. / 2019 / Civil Engineering / University of Houston B.S. / 2016 / S.V National Institute of Technology / Surat, India	
Active registration number / state / expiration date		EI.0034706 / LA / 03-31-2023	
Year registered	Civil	Discipline	Civil
Contract role(s) / brief description of responsibilities		BRIDGE DESIGNER	
<p>Mr. Sheth will serve as a structural/bridge designer. His experience includes structural design bridge design, bridge load rating, bridge load testing, and project management, for a variety of projects. He has worked in the structural forensics field as an intern, before working as a bridge EI. He has experience with drafting and detailing bridge widening plans, along with structural designing of bridge components. His professional experience also includes load rating bridges of various types, performing field load testing of bridges, computing bridge quantities and cost estimates, preparing bridge rehabilitation plans, conducting GPR surveys of bridge decks, training junior engineers, and various administrative tasks.</p>			
Experience dates	Experience and qualifications relevant to the proposed contract		
09/22 – Ongoing	<p>US 371: KCS Railroad Overpasses HBI, Webster Parish, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities include computation of engineering design calculations, determining structural feasibility of bridge geometry, structural design of all bridge components, computation of bridge quantities, and plan production at various preliminary and final submittal stages/milestones. The project consists of full-scale replacement of two railroad overpass bridges 3.7 miles apart on the same route of US 371, with three bridges. Michael Baker is providing transportation and bridge engineering services for this project as a lead consultant, while subconsultants Ardaman and Associates, and Vectura Consulting Services, are providing geotechnical and traffic control services respectively</p>		
07/19 - 08/22	<p>Macarthur Interchange Completion Phase II at US90-Z Eastbound, Jefferson Parish, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included structural analysis and girder capacity verification of prestressed concrete girders, developing spreadsheets and Mathcad files for computing development lengths and splice lengths, and deck reinforcement design. Further responsibilities included computing bridge quantities, girder riser elevations, riser thicknesses, deck elevations for the bridge, along with drafting CAD sheets in MicroStation for framing plans, pier cap details, and deck reinforcement plans in compliance with LADOTD standards. This project consisted of demolition of an off-ramp and an on-ramp, along with reconstruction of both at different locations in addition to new construction to facilitate bridge widening. SDR Engineering provided comprehensive transportation and bridge structural engineering services.</p>		
05/21 - 08/21	<p>Mermentau River Swing Span Truss Bridge Repairs at Grand Cheniere, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included preparing a structural rehabilitation solution to repair the steel truss member with structural deficiency, along with repair solutions for floorbeams and stringers using steel cover plates. Further responsibilities also included drafting and redrawing the fender system plans and railing repair plans and reviewing overall bridge repair quantities and the plan set. SDR Engineering provided the bridge inspection and load rating services in the preliminary stage, and later prepared</p>		




	repair and rehabilitation plans and procedures for the entire superstructure and substructure along with the fender system for the movable bridge span.
07/19 - 02/21	Load Rating of 311 Bridges, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included load rating 51 bridges of various types such as concrete slab bridges, reinforced concrete girder bridges, prestressed girder bridges, prestressed and reinforced channel bridges, reinforced concrete culverts, and timber beams/timber trestle bridges. For a typical bridge, the load rating process involved developing and analyzing the superstructure structural model in AASHTOWare BrR, substructure structural model in RC Pier (now LEAP Bridge Concrete), and post processing the analysis results using Mathcad to effectively determine the load carrying capacity of the bridge (load rating factors) and accordingly recommending the posting load to LADOTD. This project's scope was initially the load rating of 311 bridges located across Louisiana, however later another 300+ bridges and culverts were added to the scope. SDR Engineering provided the load rating services for this project.
07/22 - 08/22	Load Rating of 176 Bridges, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included performing load rating for a total of 43 culverts out of 176. The typical process mainly involved developing and analyzing the structural model for concrete box culverts in AASHTOWare BrR, and then preparing reports with load posting recommendations, if applicable. SDR Engineering provided the load rating services for this project.
07/22 - 08/22	Load Rating of 114 Bridges, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included performing load rating for a historic steel beam bridge, and a prestressed concrete girder bridge. The typical load rating process involves modelling the superstructure and substructure in AASHTOWare BrR and LEAP Bridge Concrete respectively, along with compiling the load rating report. Further responsibilities included reviewing over 40 concrete slab bridges to be load rated by three junior engineer interns. SDR Engineering provided the load rating services for this project.
08/20 - 09/20	Bridge Deck Investigation using Ground Penetrating Radar (GPR) system, Louisiana. Louisiana Department of Transportation and Development. Engineer Intern. Responsibilities included performing GPR investigation of bridge decks for 5 bridges across Louisiana using a vehicle mounted GPR setup provided by 3D-radar (now Kuntur), processing and analyzing scanned data, summarizing insights, and compiling reports regarding feasibility and usefulness of such an investigation. SDR Engineering provided the investigation services for this pilot GPR bridge deck evaluation project.

Firm employed by Michael Baker					
Name	Christopher Gesing, PE	Years of relevant experience with this employer	 42		
Title	NEPA Project Manager	Years of relevant experience with other employer(s)	 0		
Degree(s) / Years / Specialization		MS / 1984 / Civil Engineering / Youngstown State University BS / 1980 / Civil Engineering / Youngstown State University			
Active registration number / state / expiration date		PE.0026996 / Louisiana / 03-31-2023			
Year registered	1996	Discipline	Civil		
Contract role(s) / brief description of responsibilities		ENVIRONMENTAL TECHNICAL ADVISOR			
Mr. Gesing will serve as Environmental Technical Advisor for issued task orders that require environmental clearance. Mr. Gesing has over 30 plus years' experience with projects that require environmental clearance and permitting.					
Experience dates	Experience and qualifications relevant to the proposed contract				
04/22 – Ongoing	LA 30: EBR PL – I-10, East Baton Rouge, Iberville, and Ascension Parishes, Louisiana. Environmental Lead . Responsible for the development of the Environmental Assessment (EA) Document as part of the NEPA process. Additional responsibilities include oversight of the environmental field work by a sub-consultant and making sure all data being collected follows the NEPA requirements.				
08/02 – 12/06	Planning/Environmental Manual of Standard Practice, Statewide, Louisiana. DOTD. Project Manager, Author and Course Instructor. He developed the 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 DOTD's Project Development Process. A half-day training course was developed, and Michael Baker provided several half-day training sessions to DOTD and FHWA Louisiana Division staff.				
07/11 – Ongoing	New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parishes, Louisiana. DOTD. Project Manager and Environmental Lead for \$638 million in improvements to the New Orleans Rail Gateway, the fourth-largest freight rail gateway in the United States. Michael Baker's services include environmental and engineering services, geographic information system (GIS) development, mapping, rail and roadway travel demand modeling, alternatives analyses, rail and roadway conceptual design, cost estimates, document preparation, stakeholder and agency coordination including FRA, DOTD, NORPC, seven Class 1 railroads, Amtrak, NOPB, City of New Orleans, Jefferson Parish, the Port of New Orleans and federal/state resource agencies, and extensive public and minority community outreach.				
09/99 – 09/04	Louisiana 1 Improvements Alternatives Analysis and Environmental Impact Statement, EIS/ROD, Caddo Parish, Louisiana. DOTD. Project Manager and Environmental Lead 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 2004 AASHTO President's Transportation Award for Environment.				
08/97 – 09/05	North-South Expressway, Location and Environmental Study, EIS/ROD, Caddo Parish, Louisiana. DOTD. Project Manager for a \$670 million, 35-mile four-lane fully controlled highway on new location between I-220 in Shreveport, Louisiana, and the Arkansas state line (now referred to I-49 North). The project included logical termini evaluation, interchange justification studies (IJS), Phase I Cultural				



	Resources Assessment, wetland delineation and surface waters evaluations, Phase I Environmental Site Assessment (ESA), highway traffic noise studies, and air quality impact assessment.
05/08 – 05/11	700-08-0130: East-West Corridor Environmental Assessment, EA/FONSI, Bossier Parish, LA Northwest Louisiana Council of Governments (NLCOG). Mr. Gesing served as Project Manager and Environmental Lead for a new location eight-mile, two-lane urban collector with right-of-way clearance for future widening to a five-lane facility when traffic conditions warrant. The purpose of the new \$56 million 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. Michael Baker's services included traffic analyses including conducting traffic counts and forecasting traffic using NLCOG's TransCAD regional travel demand model (TDM); Phase I Cultural Resources Assessment including probability modeling for archaeological resources and geoarchaeological study; wetland delineation and surface waters evaluations; Phase I Environmental Site Assessment (ESA); and highway traffic noise studies.
04/01 – 11/14	700-94-0003; F.A.P. No. HPI-690-1(001): I-69 Section of Independent Utility No. 15 EIS/ROD, Louisiana (HPC 18 US 171 to I-20), Bossier, Caddo and DeSoto Parishes, LA DOTD. Mr. Gesing served as Project Manager and Environmental Lead for a Stage 1 study of a \$1.7 billion, 35-mile interstate facility on new location between U.S. Highway 171 (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 Section of Independent Utility (SIU) 15 including conceptual Red River Bridge design and navigable waterway studies, interchange justification studies (IJS), Phase I Cultural Resources Assessment including probability modeling for archaeological resources and geoarchaeological study, wetland delineation and surface waters evaluations, Phase I Environmental Site Assessment (ESA), highway traffic noise studies, Endangered Species Act Section 7 consultation and Interior least tern (ILT) and Red-cockaded woodpecker (RCW) biological assessments.

Firm employed by Michael Baker					
Name	T. J. (Thomas) Holliday, III, PWS		Years of relevant experience with this employer		➡ 13
Title	Environmental Planning Manager		Years of relevant experience with other employer(s)		➡ 11
Degree(s) / Years / Specialization			BS / 1998 / Civil Engineering / Delta State University		
Active registration number / state / expiration date			License No.: 2447 / N/A / N/A		
Year registered	2014	Discipline	Professional Wetland Scientist		
Contract role(s) / brief description of responsibilities			ENVIRONMENTAL PROFESSIONAL		
Mr. Holliday will serve as Environmental Professional for the environmental clearance and permitting of projects/task orders that require environmental services.					
Experience dates		Experience and qualifications relevant to the proposed contract			
05/11 - Ongoing		New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parishes, Louisiana. LADOTD. Environmental Specialist. Conducted field studies and documented findings for wetlands and hazardous materials. 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, geographic information system 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.			
01/10 - 04-13		S.R. 16 from S.R. 15 to S.R. 19 Bridge Design, Neshoba County, Mississippi. Mississippi Department of Transportation. Environmental Specialist. 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.			
10/08 - 07/15		FM 521 Environmental Assessment, Texas. Texas Department of Transportation. Environmental Specialist. Responsible for completion of the EA document and preparation of the FONSI. Assisted with public involvement activities. Michael Baker performed an environmental assessment (EA) for the reconstructing and widening of FM 521, an existing two-lane rural undivided facility, to a four-lane divided urban arterial from Beltway 8 to FM 2234 (McHard Road). The project also includes improvements on FM 2234 at FM 521 and proposed grade separations at the Union Pacific Railroad (UPRR) crossings on both FM 2234 and FM 521. Michael Baker's services included wetlands delineation and permitting, public involvement, community impacts assessment, indirect and cumulative impacts assessments, and a Section 4(f) analysis.			
02/11 - 06/11		Wetlands Delineation for S.R. 7 and S.R. 8 Bridge Replacements, Marshall, Benton, and Calhoun Counties, Mississippi. Mississippi Department of Transportation. Environmental Specialist. 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.
03/11 - 07/11	<p>Wetland Delineations and Assessments for the S.R. 493, S.R. 19, and I-55 Interchange Bridge Replacements, Kemper, Lauderdale, and Madison Counties, Mississippi. Mississippi Department of Transportation. Environmental Specialist. Conducted field studies and prepared jurisdictional findings</p> <p>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>
05/10 - 02/13	<p>S.R. 607 Improvements from Texas Flat Road to I-59, Hancock and Pearl River Counties, Mississippi. Mississippi Department of Transportation. Environmental Specialist. 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>

Firm employed by Michael Baker			
Name	Elizabeth Brock	Years of relevant experience with this employer	➡ 3
Title	Environmental Specialist	Years of relevant experience with other employer(s)	➡ 5
Degree(s) / Years / Specialization		BS / 2010 / Environmental Science / University of Mary Washington	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		ENVIRONMENTAL SPECIALIST	
Ms. Brock will serve as Environmental Specialist for task orders that require environmental clearance and permitting.			
Experience dates	Experience and qualifications relevant to the proposed contract		
03/19 – 01/21	Lemoyne Boulevard Erosion Control, St. Martin, Mississippi. Jackson County Board of Supervisors. Environmental Scientist. 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 in the St. Martin Community. 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.		
08/19 – 09/19	Padgett Switch Road Resurfacing, Restoration, and Rehabilitation (RRR), Mobile County, Alabama. Mobile County Engineering Department. Environmental Scientist. 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. The project was funded by the 2016 Pay-As-You-Go funding program.		
03/19 – 06/19	Saline and Caddo River Bridges Design Services, Pike, Howard, and Sevier Counties, Arkansas. Arkansas Department of Transportation. Environmental Specialist. 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.		
04/19 – 08/19	Bush Lane and Carol Plantation Road Resurfacing, Restoration, and Rehabilitation, Mobile, Alabama. Mobile County Engineering Department. Environmental Scientist. Responsible for assisting with environmental services. Michael Baker is performing engineering services for a resurfacing, restoration, and rehabilitation project on Bush Lane and Carol Plantation Road. Michael Baker is developing 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.		
10/19 – 11/19	S.R. 27 over Big Black River Replacement Project, Warren and Hinds Counties, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed		





	<p>project to replace the existing bridge (Bridge # 117.9) over Big Black River along S.R. 27, in Hinds and Warren County, Mississippi. 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 in the project area to locate, identify, and delineate wetlands and waters of the United States 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>S.R. 12 over Moccasin Creek Bridge Replacement Project, Lexington, Mississippi. Mississippi Department of Transportation. Environmental Scientist. 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 in the city of Lexington in Holmes County, Mississippi. Michael Baker provided engineering services to assess potential impacts to wetlands and other waters resulting from the replacement of a bridge over Moccasin Creek on 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 United States 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>
06/20 – 07/20	<p>S.R. 8 Bridge Replacement Wetland Assessment, Sunflower County, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project in Sunflower County, Mississippi. 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 on S.R.8. Michael Baker reviewed the project plans for the bridge replacement site as well as aerial photography and other mapping of the project area. It then conducted a field investigation in the project area to locate, identify, and delineate wetlands and waters of the United States 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>
07/20 – 08/20	<p>S.R. 28 over Boles Creek Wetland Assessment, Jefferson County, Mississippi. Mississippi Department of Transportation. Environmental Scientist. Responsible for conducting environmental investigations necessary to prepare the Wetland Delineation in support of the proposed project in Jefferson County, Mississippi. 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. It then a performed site investigation to delineate wetlands and other waters of the United States, completed data forms, and took representative photographs of identified resources.</p>


Firm employed by Michael Baker			
Name	Stephen Martin	Years of relevant experience with this employer	➡ 1
Title	Environmental Specialist	Years of relevant experience with other employer(s)	➡ 0
Degree(s) / Years / Specialization		BS / 2013 / Environmental Biology / University of Southern Mississippi AS / 2020 / Drafting and Design / Mississippi Gulf Coast Community College	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		ENVIRONMENTAL SPECIALIST	
Mr. Martin will serve as Environmental Specialist for task orders that require environmental clearance and permitting.			
Experience dates	Experience and qualifications relevant to the proposed contract		
09/21 – 02/22	Bayou Boat Launch, Jackson County, Mississippi. Jackson County Board of Supervisors. Environmental Associate. Completed wetland and other waters of the U.S. delineation and reporting, T/E Species survey and technical report, and an Environmental Assessment (EA). Michael Baker provided environmental, design and engineering services for the improvement at Ft. Bayou Boat Launch located off Washington Avenue in Jackson County, MS. 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.		
09/21 – 09/22	Jackson County Dredging, Jackson County, Mississippi. Jackson County Board of Supervisors. Environmental Associate. 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.		
10/21 – 06/22	Lemoyne Boulevard EC (PH2), Jackson County, Mississippi. Jackson County Board of Supervisors. Environmental Associate. 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, Mississippi. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services.		
02/22 – 06/22	Letort Lane Drainage, Jackson County, Mississippi. Jackson County Board of Supervisors. Environmental Associate. 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, Mississippi. For the project, Michael Baker provided design, permitting, bid-phase support, and construction administration services.		



11/21 – 03/22	I-59 & U.S. 11 Hattiesburg, Forrest County, Mississippi. Mississippi Department of Transportation. Environmental Associate. 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.
10/21 –03/22	S.R. 15 Tippah 101632, Forrest County, Mississippi. Mississippi Department of Transportation. Environmental Associate. 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 Threatened and Endangered Species survey and technical report and coordinated clearance with the USFWS. Michael Baker provided environmental, design and engineering services for the improvements along SR-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.
09/21 – 11/21	Beachview Drive Widening (PH2), Jackson County, Mississippi. Jackson County Board of Supervisors. Environmental Associate. 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, MS. 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, bidphase support, and construction administration services.

Firm employed by				 SUSTAINABLE DESIGN SOLUTIONS	
Name	Talene Kaltakjian, P.E.		Years of relevant experience with this employer	0.5	
Title	Engineering Manager		Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization			Civil Engineering /2015		
Active registration number / state / expiration date			Professional Engineer - LA, No. 44529, expires 9/30/24; Traffic Control Supervisor- LA, expires 2/2024; Traffic Control Technician-LA, expires 2/2024		
Year registered	2020	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Engineer / QA/QC lead, cost estimating, project management		
Experience dates		Experience and qualifications relevant to the proposed contract			
11/2020-08/2022		St. Francis Parkway Extension: Engineer in Responsible Charge and project manager for a roadway extension in the City of Gonzales. The roadway was designed in order to help alleviate congestion on Highway 30 and LA Hwy 44. Scope of work includes the following: constructing a 0.50 mile roadway extension with bike lanes, curb and gutter, sidewalks, and major drainage crossing. It also included a transmission pipeline crossing and wetland mitigation, therefore permitting was a big component. Role included: project planning, roadway design, permitting, drainage design, construction cost estimating, and project management.			
08/2019-08/2022		Move Ascension Program: TO # 1 Henry Road Safety Widening and TO #2 LA 73 at Henry Road Intersection Improvements: Assisting lead engineer on roadway safety widening improvements of Henry Road in Ascension Parish. The roadway improvements were designed to meet LA DOTD and AASHTO requirements. Scope of work includes the following: widening Henry Road to include 11' travel lanes, 2' shoulders and meet AASHTO requirements, construction of intersection improvements at LA 73 and Henry Road including two turn lanes and subsurface drainage, major drainage crossings, subsurface drainage along Henry Road, clearing and grubbing and construction administration. Role included: project management, roadway design, drainage design, construction cost estimating and construction administration of LA 73 at Henry Road intersection improvements.			
08/2019-11/2021		N. Carnation Street Rehabilitation: Engineer in Responsible Charge and project manager for a major roadway rehabilitation in the City of Slidell. The project was funded by FHWA and administered through LA DOTD, meeting DOTD's design requirements. Scope of work includes the following: base reconstruction, asphalt mill & overlay, and drainage crossing improvements. Role included: leading pre-design conference, roadway design, drainage design, construction cost estimating, and project management.			

Firm employed by			
 SUSTAINABLE DESIGN SOLUTIONS			
Name	Jeremy Labiche, E.I.		Years of relevant experience with this employer
Title	Licensed Engineer Intern		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Civil Engineering /2018	
Active registration number / state / expiration date		Engineer Intern -LA, No. 33781, expires 9/30/24; Traffic Control Supervisor- LA, expires 2/16/26; Traffic Control Technician-LA, expires 2/15/26	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Engineer Intern/ Cost Estimating	
Experience dates	Experience and qualifications relevant to the proposed contract		
03/2022-Present	ARP Drainage Program: The City of Baton Rouge's ARP drainage program implements maintenance best practices that will restore the capacity of the City-Parish drainage infrastructure system back to its original design and also closes out back-logged service requests. As project engineer, Jeremy prepared bid documents and cost estimates for stormwater infrastructure maintenance of roadside ditches and open channels. He also performed site assessments of stormwater assets for open channels and roadside ditches and developed QA documents associated with the assessment and management of stormwater assets. Additionally, he prepared project definition documents to support work orders for the contractors.		
03/2022-Present	Ben Hur CE&I: Lead Inspector for the construction of a new road connecting the existing Ben Hur Road to Nicholson Drive. Scope of work includes the following: Asphalt Concrete pavement, Base Course, Drainage Structures, Grading and RR Crossing Improvements. Role includes resident construction inspection and oversight services necessary to verify that construction activities are performed in conformance with contract documents and City-Parish standards (and/or LADOTD standards for State routes), is accurately documented, and is proceeding in accordance with the approved construction schedule. Daily duties include monitoring and tracking construction progress; inspecting and tracking eligible work and related pay items; observing that work is completed safely; verifying work is performed in accordance with the plans and specifications; confirming work does not adversely affect adjacent areas or property; and assisting the City-Parish in dispute resolution or claims.		
1/2019-10/2021	Venture Global Calcasieu Pass LNG: Jeremy inspected, coordinated, and approved all testing related to Anchor Bolts Down operations. (i.e. soils, concrete/grout/asphalt, reinforcing steel, pre-cast/pre-stressed driven pile and rigid inclusions). Developed quality documentation (procedures, inspection and test plans, condition reports, checklists, and RFIs). Developed and approved subcontractor contractual service agreements. Presented areas for turn-over to client once a discipline had finished on site. Handled client correspondence to ensure clarity.		


Firm employed by				 SUSTAINABLE DESIGN SOLUTIONS	
Name	Jordan Sparks, E.I.		Years of relevant experience with this employer	1.5	
Title	Licensed Engineer Intern, GIS Analyst		Years of relevant experience with other employer(s)	2	
Degree(s) / Years / Specialization			Civil Engineering /2018		
Active registration number / state / expiration date			Engineer Intern -LA, No. 34062, expires 9/30/23		
Year registered	2019	Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities			Engineer Intern/ GIS Mapping		
Experience dates		Experience and qualifications relevant to the proposed contract			
05/2022-Present		ARP Drainage Program: The City of Baton Rouge's ARP drainage program implements maintenance best practices that will restore the capacity of the City-Parish drainage infrastructure system back to its original design and also closes out back-logged service requests. As project engineer, Jordan utilized ArcGIS pro to prepare site condition maps, access maps, and overall project area maps for the 7 open channel projects.			
03/2021-Present		Clean Water Shreveport Consent Decree Program: In support of the consent decree, Jordan supported the QA and data management of water, wastewater, and stormwater assets. He also managed quality assurance and quality control procedures for Geospatial Information System (GIS) updates completed for the City of Shreveport to provide a more accurate representation of the existing infrastructure systems. He developed strategies for reviewing completed projects prior to delivery in a multiphase process with specific data attributes being analyzed in each subsequent review. These updates included newly installed and rehabilitated infrastructure based on as-built drawings and construction records, as well as updates based on information provided by field personnel and surveys.			
01/01/2022		Chandeleur Island Restoration: Jordan served as Project Engineer for the pipeline research and conflict coordination for this project. The Strategic Online Natural Resources Information System (SONRIS), National Pipeline Mapping System (NPMS), and the Bureau of Ocean Energy Management (BOEM) pipeline databases were researched to identify known pipelines in the vicinity of Chandeleur Island, Hewes Point Borrow Area, and the St. Bernard Shoals area. Extracting data from these databases, Jordan prepared the project area maps with ARCGIS Pro which illustrated the known conflicts within the project area. Utilizing ARCGIS, the project team was able to categorize the type of utilities that were within the project footprint and also determine the constituents and status of each pipeline.			

Firm employed by





SUSTAINABLE
DESIGN SOLUTIONS

Name	Ashish Khanal, E.I.		Years of relevant experience with this employer	1
Title	Licensed Engineer Intern		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization			Mechanical Engineering /2021	
Active registration number / state / expiration date			Engineer Intern -LA, No. 35114, expires 9/30/24; Traffic Control Technician-LA, expires 3/22/25	
Year registered	2022	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			Engineer Intern	
Experience dates	Experience and qualifications relevant to the proposed contract			
03/2022-Present	<p>Ben Hur CE&I: Assistant Inspector for the construction of a new road connecting the existing Ben Hur Road to Nicholson Drive. Scope of work includes the following: Asphalt Concrete pavement, Base Course, Drainage Structures, Grading and RR Crossing Improvements. Role includes resident construction inspection and oversight services necessary to verify that construction activities are performed in conformance with contract documents and City-Parish standards (and/or LADOTD standards for State routes), is accurately documented, and is proceeding in accordance with the approved construction schedule. Daily duties include monitoring and tracking construction progress; inspecting and tracking eligible work and related pay items; observing that work is completed safely; verifying work is performed in accordance with the plans and specifications; confirming work does not adversely affect adjacent areas or property; and assisting the City-Parish in dispute resolution or claims.</p>			

Firm employed by			
 SUSTAINABLE DESIGN SOLUTIONS			
Name	Kodi Guillory, P.E.		Years of relevant experience with this employer
Title	Project Manager of Construction Engineering & Inspection		Years of relevant experience with other employer(s)
Degree(s) / Years / Specialization		Master of Science- Civil Engineering (2007) Bachelor of Science- Biological Engineering (2005)	
Active registration number / state / expiration date		Professional Engineer - LA, No. 35951, expires 3/31/23; Traffic Control Technician-LA, expires 3/22/25	
Year registered	2011	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Engineer/ QA/QC and project management	
Experience dates	Experience and qualifications relevant to the proposed contract		
02/2020-04/2020	LA 930 Clearing and Grubbing Project –Engineer in Responsible Charge of CE&I Contract- Sustainable Design Solutions, LLC provided CE&I services for the LA 930: Causey Road to LA 42 Clearing and Grubbing project. Our role was to oversee the clearing and grubbing of the roads in the project limits which involved the removal of all trees and shrubs within the Right-of-Way. Duties included but were not limited to reconciliation of all quantities, daily coordination, and communication with the Parish, notifying the Contractor when there were deviations from the specifications, verifying if the Contractor had coordinated with the necessary utility companies, verifying if damaged subsurface utilities were repaired to specifications, and verifying if proper traffic control measures were being implemented		
03/2020-10/2020	Ashland Road to St. Landry Ave Connector - Engineer in Responsible Charge of CE&I Contract- This project involves the construction of a ½-mile long road section between Ashland Road and St. Landry Avenue, Gonzales, Ascension Parish, Louisiana. Duties include but are not limited to reconciliation of all quantities, daily coordination and communication with the Parish, notifying the Contractor when there are deviations from the specifications, verifying if the Contractor had coordinated with the necessary utility companies, verifying if damaged subsurface utilities were repaired to specifications, confirming if field tests and material tests are within acceptable limits, and verifying if proper traffic control measures were being implemented.		

Firm employed by			
Name	Rick Murphy	Years of relevant experience with this employer	18
Title	Property Acquisition Lead	Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		1984	
Active registration number / state / expiration date		Louisiana State Certified General Real Estate Appraiser #0318 Licensed Real Estate Broker (State of Louisiana)	
Year registered	1991	Discipline	Appraisals, Broker
Contract role(s) / brief description of responsibilities		Meets MPR No. 4: Real Estate Appraisal Manager	
Experience dates	Experience and qualifications relevant to the proposed contract		
1991-Present	Murphy Appraisal: President Online 2016-17 15 Hour Equivalent USPAP Course – OnCourseLearning (July 2016) Defensible Workfile – Mbond Continuing Education Provider (March 2016) Online 7-Hour Equivalent USPAP Update Course – Appraisal Institute (May 2016) Supervisor-Trainee Course for Mississippi – McKissock (December 2015) Homeowners Flood Insurance: Gulf of Mexico Region Specific – McKissock (December 2015) Supervisor-Trainee Course for Louisiana – McKissock (June 2015) Online You Say Fracking, I say Frac'ing Lets talk Valuation – Appraisal Institute (June 2015) Online Data Verification Method – Appraisal Institute (November 2014) 2014 -15 USPAP Update Course – Appraisal Institute (January 2014) Online Subdivision Valuation – Appraisal Institute (November 2014) Marketability Studies: Advanced Considerations & Applications – Appraisal Institute (April 2013) Business Practices and Ethics – Appraisal Institute (November 2012) Uniform Standards of Professional Appraisal Practice – Appraisal Institute (May 2012) Fundamentals of Separating Real Property, Personal Property and Intangible Business Assets – Appraisal Institute (March 2012) Profiting from the New Estate Tax Law – Appraisal Institute (May 2011) Understanding the New Interagency Appraisal and Evaluation G (February 2011) Site Use and Valuation Analysis – Appraisal Institute (December 2010) Professional's Guide to the Fannie Mae 2-4 Unit – Appraisal Institute (December 2010) Valuation of Green Residential Properties – Appraisal Institute (December 2010) Uniform Standards of Professional Appraisal Practice – Appraisal Institute (September, 2010) JVI Appraising Residential REO Properties – (April 2009) Uniform Standards of Professional Appraisal Practice – Appraisal Institute (December, 2008) Quadrennial Ethics – (November 2008)		

Firm employed by			
Name	Thomas E. Richards	Years of relevant experience with this employer	18
Title	Project Director	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		J.D. / 2002 / Cum Laude	
Active registration number / state / expiration date		LA Bar Association	
Year registered	2002	Discipline	Licensed Attorney
Contract role(s) / brief description of responsibilities		Meets MPR No. 4: Acts as Project Director, Responsible for development and implementation of all project policies and procedures. All key staff reported directly to the Project Director.	
<p>Mr. Richards is the Owner of Team Civic Solutions and an Attorney at Law. He possesses 14 years of experience on a multitude of CDBG-DR projects. Mr. Richards recently supported the Restore LA project in response to the great Floods of 2016. While delivering that project we closed over 15k grants and verified home ownership for roughly 20,000 applicants. Working as the Project Director for TCS during its work on Louisiana's Road Home Program, Mr. Richards closed more than 60,000 Grant Transactions and more than 4,000 sale transactions since June of 2007 as one of two title companies through 2009, and now as the sole title company performing closing and title services for the program. Mr. Richards created and carried out accurate, error-free, yet fast escrow account disbursement. With Mr. Richards experience and expertise in Escrow Accounting, he was able to disburse up to \$60M within a 72-hour disbursement deadline imposed by HUD</p>			
Experience dates	Experience and qualifications relevant to the proposed contract		
2009-2010, 2013-2018	CDBG REO Property Divestiture Program, LA Land Trust		
2017-present	Restore Louisiana Housing Recovery Program Management, Louisiana Office of Community Development		
2017-2018	Louisiana Road Home Program, State of Louisiana, Office of Community Development		
2018-present	ReBuild Florida, Innovative Emergency Management		
2018-2019	ReBuild North Carolina Hurricane Matthew CDBG-DR Recovery Program, North Carolina Department of Public Safety		

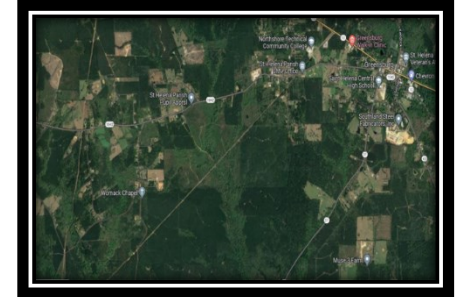
Firm employed by			
Name	Cody C. Perilloux	Years of relevant experience with this employer	18
Title	Project Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BS / 2001 / Social Sciences	
Active registration number / state / expiration date		NA	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Meets MPR No. 4: Acts as Project Manager	
<p>Cody Perilloux has a finance background and has served in numerous banking and financial roles throughout his career. He has 20 years of experience working in the mortgage industry, working with loan servicing companies, underwriters, tax accessors and private lenders. Since 2007, Cody has provided project operations and served as a closing specialist in connection with the implementation and delivery of homeowner assistance programs. Projects include numerous state and municipal programs in Louisiana, Texas, and North Carolina. Specializations include CDBG funded projects, closings, and grant administration.</p>			
Experience dates	Experience and qualifications relevant to the proposed contract		
2009-2010, 2013-2018	TCS/ Team Title CDBG REO Property Divestiture Program, LA Land Trust <ul style="list-style-type: none"> • Project Manager: implementation of all project policies and procedures • Close working relationship and interaction with assessors, lean holders, and mortgage holders • Managed tenant payout statements • Negotiated Short Sales 		
2017-present	Restore Louisiana Housing Recovery Program Management, Louisiana Office of Community Development <ul style="list-style-type: none"> • Acted as Project Manager, Responsible for implementation of all project policies and procedures • Supervision of all key staff • Involved in the successful execution and implementation of the program 		
2017-2018	Louisiana Road Home Program, State of Louisiana, Office of Community Development <ul style="list-style-type: none"> • Acted as Project Manager, Responsible for implementation of all project policies and procedures • Supervision of all key staff • Involved in the successful execution and implementation of the program 		

17. Firm Experience:

Firm name	ELOS Environmental, LLC			Past Performance Evaluation Discipline(s)*		Environmental	
Project name	LA 10 Spur, LA 1042 Bridges Near Greensburg Rural Bridge Initiative				Firm responsibility (prime or sub?)		Sub
Project number	H.013982		Owner's name	LADOTD			
Project location	St. Helena Parish, LA			Owner's Project Manager		Amanda Ranck	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov					
Services commenced by this firm (mm/yy)			08/20	Total consultant contract cost (\$1,000's)			\$16
Services completed by this firm (mm/yy)			01/22	Cost of consultant services provided by this firm (\$1,000's)			\$16

Services Provided: wetland delineations, preliminary jurisdictional determination, United State Army Corps of Engineers (USACE) nationwide permit applications, threatened and endangered species research, Categorical Exclusions checklist (CE), and solicitation of views (SOV).

ELOS was contracted by Burk-Kleinpeter to provide environmental services for H.013982. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of four existing bridges including one site at LA 1042 over Choctaw Creek, one site at LA 1042 over an unnamed creek, one site at LA 10 Spur over Raby Branch, and one site at LA 10 Spur over St. Joseph Branch in St. Helena Parish. **This project is one of many bridges part of the DOTD Rural Bridges Phase I projects, for which ELOS was the environmental consultant conducting the environmental reviews and documentation.** This project primarily involved wetland delineations and a wetlands finding report. Evidence observed and documented indicates that approximately 0.22 acre of the site location meets the established criteria to be considered "Section 404 wetlands." In addition, approximately 2.19 acre of this site meet the established criteria to be considered "other waters of the U.S." The DOTD will mitigate the wetlands impacted by construction activities for this project by minimizing impacts as listed in the Louisiana Standard Specifications for Roads and Bridges, 2016 edition, and mitigate for lost wetland habitats by reseeding with appropriate plants and seedlings. No threatened and endangered species surveys were required for this project.



Site 1. LA 1042 / Choctaw Creek: Recall No. 058492

Site 2. LA 1042 / unnamed creek: Recall No. 058494

Site 3. LA 10 Spur / Raby Branch: Recall No. 620045

Site 4. LA 10 Spur / St. Joseph Branch: Recall No. 620046

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar

Firm name	ELOS Environmental, LLC	Past Performance Evaluation Discipline(s)*	Environmental
Project name	LA-4 Rural Bridge Initiative	Firm responsibility (prime or sub?)	Sub
Project number	H.014268	Owner's name	LADOTD
Project location	Jackson and Caldwell Parishes	Owner's Project Manager	Amanda Ranck
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost (\$1,000's)	\$16
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm (\$1,000's)	\$16



Services Provided: wetland delineations, preliminary jurisdictional determination, United States Army Corps of Engineers (USACE) nationwide and Department of Natural Resources CUP/Consistency Determination permit applications, threatened and endangered species research, Categorical Exclusion checklist (CE) and solicitation of views (SOV).

ELOS was contracted by Burk-Kleinpeter to provide environmental services for H.014268. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of 8 separate bridges located on LA-4 in Jackson and Caldwell Parishes. **This project is one of many bridges part of the DOTD Rural Bridges Phase II projects, for which ELOS was the environmental consultant conducting the environmental reviews and documentation.** This project involved surveys for threatened and endangered species, including investigations for the Northern long-eared bat (*Myotis septentrionalis*), Louisiana pine snake (*Pituophis ruthveni*), and the red

cockheaded woodpecker (*Leuconotopicus borealis*). Evidence observed and documented indicates that approximately 17.40 acres of these sites meet the established criteria to be considered "wetlands" and approximately 6.05-acres of these sites meet the established criteria to be considered "other waters of the U.S."

Site 1. Unnamed Creek: Recall No. 021100

Site 5. Sugar Creek: Recall No. 046760

Site 2. Unnamed Creek: Recall No. 021120

Site 6. Bill's Creek: Recall No. 046782

Site 3. Bear Creek: Recall No. 021130

Site 7. Lost Creek Relief: Recall No. 046786

Site 4. Squirrel Creek: Recall No. 046750

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar

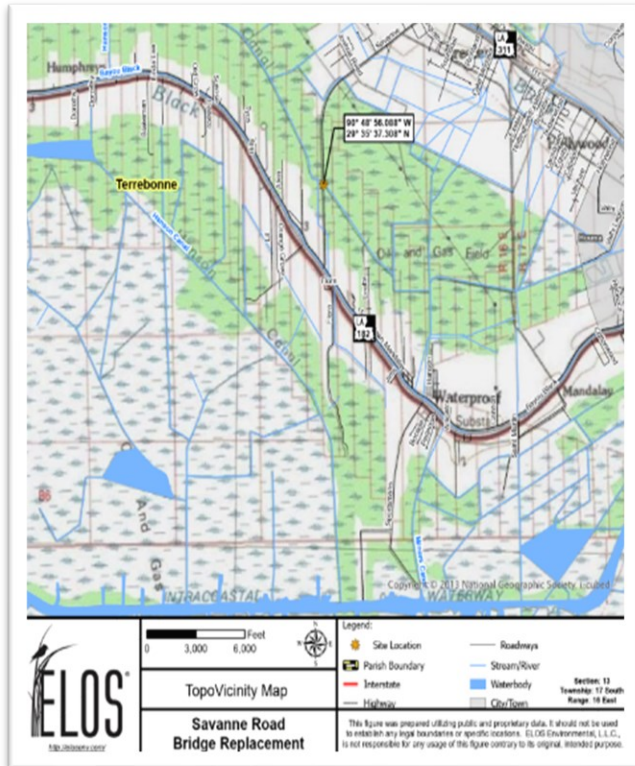
Firm name	ELOS Environmental, LLC			Past Performance Evaluation Discipline(s)*		Environmental	
Project name	Savanne Road Bridge Over Hanson Canal				Firm responsibility (prime or sub?)		Sub
Project number	H.014267		Owner's name	LADOTD			
Project location	Terrebonne Parish, LA			Owner's Project Manager		Amanda Ranck	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov					
Services commenced by this firm (mm/yy)			08/20	Total consultant contract cost (\$1,000's)			\$16
Services completed by this firm (mm/yy)			Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$16

Services Provided: Scenic Rivers and Streams Permits, USACE Permits, Wetland Delineation and Jurisdictional Determination, Threatened and Endangered Species, Solicitation of Views, and Categorical Exclusion Checklist.

ELOS was contracted by Infinity to provide environmental services for the improvement of The Louisiana Department of Transportation and Development (LADOTD) Bridge Replacement projects. LADOTD proposed the replacement of the existing Savanne Road Bridge over Hanson Canal (**Recall No. 020165**) with a new concrete reinforced bridge at approximately 90° 48' 56.088" West and 29° 35' 37.308" North.

The existing bridge, located approximately 0.82 miles north of LA 182 in Terrebonne Parish, was recommended for replacement by LA DOTD. The existing structure was a 4-span, 57-foot-long, and 24-foot-wide concrete bridge. The proposed action was to replace the existing bridge with three 20-foot spans, totaling 60 feet, with 3:1 riprap abutments and a proposed finished grade at branch crossing at 5.51 in accordance with current LADOTD and AASHTO guidelines.

This project included a wetland delineation and jurisdictional determination from the USACE, a Section 404 permit from the USACE, a scenic rivers and streams permit from the LDWF, and a threatened and endangered species survey for West Indian manatees (*Trichechus manatus*). ELOS was also tasked with preparing and mailing the solicitation of views letters to the relevant agencies and responding to comments. This project qualified for a categorical exclusion (CATEX), meaning a detailed environmental analysis was not required. ELOS prepared and submitted the CATEX documentation.



Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Brian Fortson

Firm name	ELOS Environmental, LLC		Past Performance Evaluation Discipline(s)*	Environmental	
Project name	Yellow Water Road Bridge			Firm responsibility (prime or sub?)	Sub
Project number	H.01362	Owner's name	LADOTD		
Project location	Tangipahoa Parish, LA			Owner's Project Manager	Amanda Ranck
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov				
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost (\$1,000's)			\$16
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$16

Services Providing: Floodplain, Recreational, Cultural/Historic, Wildlife Impacts Desktop Analysis, USACE Permits, Wetland Delineation and Jurisdictional Determination, Threatened and Endangered Species, Solicitation of Views, and Categorical Exclusion Checklist.

ELOS is contracted by Principal Engineering, Inc. to provide environmental services for Tangipahoa Parish Government for a routine bridge replacement and widening along approximately 2.45 miles of Yellow Bridge Road from approximately latitude 30°28'11.082" North and longitude 90°29'07.155" West. The construction activities include adding 75-foot guardrail to each side of the road and both sides of the bridge, embankment widening, overlaying 20-foot concrete slab under the new bridge, adding rip rap around both sides of the bridge, and filling the interior rip rap with concrete. ELOS was contracted to provide a Categorical Exclusion (CE) document that complies with the National Environmental Policy Act (NEPA) and written according to the current applicable Federal Highway Administration (FHWA) technical Advisory Guidance. The scope of work includes: solicitation of views; wetland studies; threatened and endangered species survey; studies to determine the impacts to floodplains, wells, farmland, cultural/historic resources, and wildlife; stakeholder coordination; and obtaining the necessary permits. After all the necessary studies are conducted, ELOS will prepare the draft CE document, address comments, and prepare the final CE document.


Firm Personnel Involved: Brian Fortson, Basile Dardar, Ariel Ebanks, and Natalie Keller

Firm name	ELOS Environmental, LLC			Past Performance Evaluation Discipline(s)*		Environmental	
Project name	St. Tammany Parish Lake Road and Bridge Improvements				Firm responsibility (prime or sub?)		Sub
Project number	H.014362		Owner's name	LADOTD			
Project location	St. Tammany Parish, LA			Owner's Project Manager		Amanda Ranck	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov					
Services commenced by this firm (mm/yy)			04/22	Total consultant contract cost (\$1,000's)			\$16
Services completed by this firm (mm/yy)			Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$16

Services Providing: Collecting Data and Documentation, Impact Analysis, Solicitation of Views (SOV), Preparing A Document DOTD and Federal Highway Administration (FHWA) Compliant Categorical Exclusion (CE), Conducting a Wetland Delineation, and Obtaining U.S. Coast Guard (USCG) Bridge and Scenic Rivers Permits.

ELOS is contracted by St. Tammany Parish Government to conduct environmental services for an approximately 22-acre site located at Lake Road in St. Tammany Parish, Louisiana. The project proposes the construction activities for the maintenance of Lake Road and three (3) associated Louisiana Department of Transportation and Development (LADOTD) bridges (H.014362). ELOS assists the Client in the SOV process for the proposed project. ELOS is currently collecting information needed to establish an opinion on the presence and potential extent of jurisdictional “wetlands” and/or “other waters of the United States” in accordance with the requirements of the USACE’s 1987 Wetland Delineation Manual and intends to prepare a Wetlands Findings Report presenting the field data collected along with collecting all necessary data for Joint, Scenic Rivers, and USCG permit applicants. Also, ELOS intends to compile the information collected to develop a Categorical Exclusion document for the proposed project.

Firm Personnel Involved: Brian Fortson, Basile Dardar, Ariel Ebanks, and Natalie Keller

Firm name			Past Performance Evaluation Discipline(s)*	Planning, Environmental, Traffic, Road, Bridge
Project name	US 11 Environmental Assessment		Firm responsibility (prime or sub?)	Prime
Project number	H.000688.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Tammany Parish, LA		Owner's Project Manager	Nicholas Olivier, PE
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1133, nicholas.olivier@la.gov			
Services commenced by this firm (mm/yy)	04/13	Total consultant contract cost (\$1,000's)		\$768
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$716

Firm's Role: LADOTD contracted Arcadis and its sub-consultants to prepare an *Environmental Assessment* for the replacement of an historic railroad overpass and the upgrade of the existing undivided highway to a four-lane superstreet in Slidell, LA. The project goal was to promote mobility and safety along the corridor.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, David Fulks

Planning and Environmental: Arcadis completed *technical studies* to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, floodplain management, and secondary and cumulative effects analysis. Additional studies and coordination completed for the project include a Phase I Cultural Resource Survey and Reporting and Public Involvement involving public information meetings and a public hearing for the Environmental Assessment. The results of technical studies and public involvement were summarized in the Environmental Assessment to support a Finding of No Significant Impacts (FONSI).

Traffic and Safety Improvements: Five existing intersections were reconfigured as either Restricted Crossing U-turn (RCUT) intersections or as median U-turn (MUT) intersections to eliminate side street left turns. The corridor was designed for WB-67 vehicles requiring that several loons and truck aprons be provided at U-turns. Vertical geometrics were designed for the main corridor as well as all side streets and a *3D design model was developed* to verify that construction limits were accurate, and that low ground clearance at railroad crossings was avoided.

Preliminary Roadway and Bridge Design: Arcadis performed all engineering services including *roadway and bridge line and grade and geometric design*, railroad track, ballast, and maintenance road design to evaluate clearance requirements with future planned rail additions, 3D design modeling of existing terrain, railroad full-build condition, and bridge and *roadway typical sections and geometric layouts for improvements*. Design drawings were used to accurately determine earthwork, construction limits, required right-of-way, and *construction cost estimates*.

Context Sensitive Design: The design includes *ADA compliant curb ramps and crosswalks* to incorporate the existing sidewalks and *accommodate pedestrian traffic*. Sufficient space was included within the roadway border for the future installation, by the City of Slidell, of a *multi-use path to accommodate bicyclists*. Finally, access to existing businesses was carefully balanced within the requirements of the *LADOTD Access Management Policy*.

Relevant Services

- Data Collection
- Traffic and Safety Analysis
- Alternative Screening
- Preliminary Roadway and Bridge Design
- Line and Grade
- Environmental Assessment
- Construction Cost Estimates
- Public Involvement
- Agency Coordination/Stakeholder Outreach

Firm name	ARCADIS		Past Performance Evaluation Discipline(s)*	Planning, Traffic, Env, Road
Project name	Pete's Highway Interchange Alternatives and Environmental Assessment		Firm responsibility (prime or sub?)	Prime
Project number	H.002397.2	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	Livingston Parish, LA		Owner's Project Manager	Catherine Mastin
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225 379 1652, catherine.mastin@la.gov			
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost (\$1,000's)		\$1,500
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$1,380

Firm's Role: High-priority funding allowed LADOTD to employ Arcadis to complete an *NEPA Environmental Assessment, Traffic Engineering, and Geometric Design Layouts*, including the establishment of apparent and required right-of-way, to improve congestion and operations.

Firm Members Involved: Akhil Chauhan, Thomas Montz, Ari Deitch, Justin Maderia, David Fulks, Jason Morrell

Alternatives Evaluation & Development: Preliminary alternatives retained from the Stage 0 feasibility study were refined and evaluated for constructability, temporary construction effects, construction costs, and permanent direct and indirect effects. Alternatives included two split diamond interchange options with roundabout, partial clover leafs, collector-distributor roads at Range Avenue and Pete's Highway (LA 16), and a diverging diamond interchange (DDI) at Range Avenue. Arcadis developed *geometric design drawings* for the DDI alternative including *line and grade* in accordance with LADOTD roadway and minimum design guidelines. Alternatives incorporated *context sensitive solutions* and complete streets policy through coordination with the LADOTD, parish, and planning organizations to include sidewalks and high visibility crosswalks.

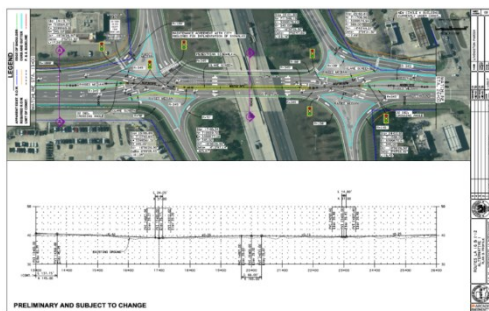


Figure: Diverging Diamond Interchange Alternative - Plan and Profile


Traffic Study & IMR: A traffic study was conducted to evaluate proposed alternatives. The traffic study scope included *data collection/analysis*, VISSIM model development and calibration, existing and future year scenario analysis, roundabout analysis, future volume projections, *alternative analysis*, proposed signing and striping layouts, and FHWA policy point/IMR documentation.

Planning & Environmental: Arcadis completed *technical studies* to support the Environmental Assessment including wetlands and biological resource identification, Phase I Environmental Site Assessment, traffic noise and air quality analysis, socio-economic and community impact evaluation, floodplain management, and secondary and cumulative effects analysis. Because of the complexity of the alternatives and high public profile of the project, Arcadis designed and coordinated a project website to facilitate ongoing dialogue with the community and provide information to the public. Arcadis *conducted public and stakeholder meetings* to obtain input and satisfy federal

requirements. Visual simulations of the complex traffic operations were used during the meetings along with displays of the alternatives and anticipated travel pattern changes.

Relevant Services

- Environmental Assessment
- Traffic Study/IMR
- Alternative Development/Screening
- Geometric Design Drawings
- Line and Grade
- Construction Cost Estimate
- Air and Noise Analysis
- Context Sensitive Solutions
- Public involvement / Stakeholder Outreach

Firm name			Past Performance Evaluation Discipline(s)*	Road, Bridge, Environmental, Traffic
Project name	I-49 SEIS Richoc to Berwick		Firm responsibility (prime or sub?)	Prime
Project number	H.011328	Owner's name	Louisiana Department of Transportation and Development (LADOTD)	
Project location	St. Mary Parish, Louisiana		Owner's Project Manager	Corey Landry
Owner's address, phone, email	1201 Capitol Access Rd., Room 201E, Baton Rouge, Louisiana 70802, 225 379 1889, corey.landry@la.gov			
Services commenced by this firm (mm/yy)	02/17	Total consultant contract cost (\$1,000's)		\$2,593
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$2,080

Firm's Role: Conceptual design, Alternatives development for National Environmental Policy Act (NEPA) compliance, Bridge and road line and grade analysis, wetland analysis, Socioeconomic/Environmental Justice, Visual imagery, Air and noise analysis/modeling; Phase I Environmental Site Assessments (ESA), Stakeholder/public outreach, Agency Coordination.

Firm Members Involved: Akhil Chauhan, Ari Deitch, David Fulks, Jason Morrell

Arcadis is preparing a Supplemental Environmental Impact Study (SEIS) for LADOTD along a 10-mile segment of Future I-49 South between Richoc and Berwick in St. Mary Parish. Previously, an Engineering Information Systems with Record of Decision (ROD) was completed for this section of future I-49. The scope of the SEIS is to investigate other alternatives which will facilitate a more feasible and cost-effective solution for upgrading this section of roadway to interstate standards.

Arcadis is currently evaluating alternatives within the Traffic Analysis phase of the project. This work has included geometric design, alternative evaluation, assessment of existing conditions, and evaluation of potential impacts of the alternatives being evaluated, in regard to such items as Right of Way, Social economic, Access Management, Local Connectivity, Railroad, Built environment,

construction costs

and others, as needed to fully determine the initial feasibility of alternatives being evaluated. Following the completion of the traffic phase, Arcadis will proceed into a full Line and Grade/Conceptual design and Environmental Evaluation of the identified alternatives, including public, stakeholder, officials, and agency coordination/outreach.

Arcadis services for this contract include Line and Grade Study, Conceptual Design, Alternatives Screening Analysis, Tier 1/Tier 2 Traffic Analysis, Air and Noise Analysis, Highway Safety Manual Analysis, NEPA Environmental Evaluation, Land Use/Social economics/Community Impacts, Phase I ESA, Public and Stakeholder Outreach/Meetings, Agency Coordination, Scope and Budget Development and Cost Analysis.

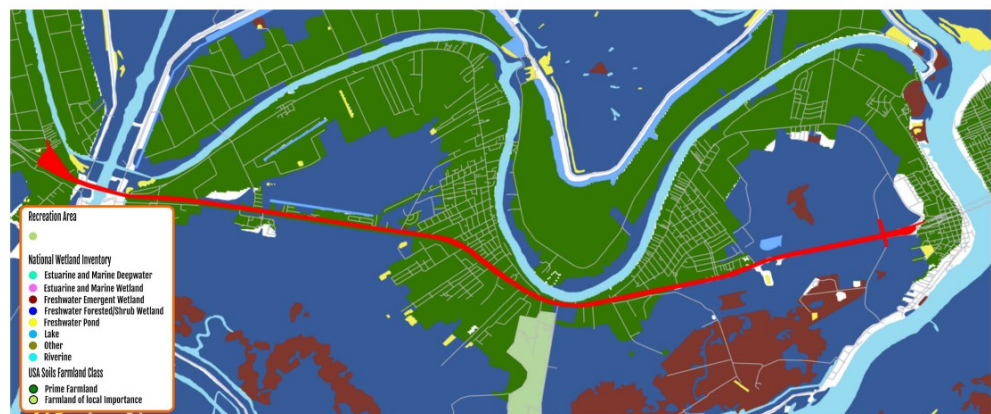


Figure 5: Potential Environmental Impacts (Wetlands and Prime Farmland).

Note: Developed Parcels not considered Prime Farmland

Firm name	Terracon Consultants, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Nelson Road Extension & Bridge and West Sallier Street Improvements		Firm responsibility (prime or sub?)	Sub
Project number	H.005967.2	Owner's name	Louisiana Department of Transportation & Development	
Project location	Lake Charles, LA		Owner's Project Manager	Joseph Cains, III
Owner's address, phone, email	500 Main St., Baton Rouge, LA 70801; 225-765-7400; joseph.cainsIII@stantec.com			
Services commenced by this firm (mm/yy)	7/11	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)	3/18	Cost of consultant services provided by this firm (\$1,000's)		\$194.2

In 2011 Terracon Consultants, Inc. (Terracon) was retained by Stantec (formerly ABMB Engineers, Inc) based on qualifications to conduct a Phase I Environmental Assessment (ESA), a Limited Site Investigation (LSI), and a Noise Impact Assessment on the Nelson Road Extension & Bridge and West Sallier Street Improvements in Lake Charles, Louisiana. After the project commenced, Terracon was requested to provide services relating to the Environmental Assessment (EA) as well.

The Phase I ESA was completed in accordance with ASTM E 1527-05, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. During the ESA, the on-site former Micelle meat packing plant facility was identified as a Recognized Environmental Condition (REC) due to documented contamination of the soil, and characteristics observed during the site reconnaissance. A LSI was conducted in response to the Phase I ESA, and did not identify additional contamination.

A Noise Impact Assessment was also conducted in compliance with 23 USC Section 109(h) and (i), the Federal Highway Administration (FHWA) established guidelines for the assessment of highway traffic-generated noise.

The Environmental Assessment (EA) was conducted in accordance with the National Environmental Policy Act (NEPA), FHWA, and Louisiana Department of Transportation and Development (LADOTD) policies. FHWA/LADOTD was identified as the lead agency, however, components of the project were anticipated to be led by the City of Lake Charles (W. Sallier Improvements) and Port of Lake Charles (railroad relocation). An open house public meeting was held in September 2013 to provide information about the project to the public and solicit input. Subsequently, a draft EA document was been completed, containing a purpose and need of the project, alternatives, description of the project area, environmental consequences of the alternatives, and permits required.

Revisions to the initial draft EA were initiated based on comments received from the public and cooperating agencies, such as the US Coast Guard. A revised draft EA was issued for public review and comment in August 2017 and was followed by a public hearing. The final EA document submitted to LADOTD and FHWA in November 2017 included the final comments. A FONSI was issued by FHWA in February 2018.



Firm name	Terracon Consultants, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	1.7-mile Corridor Study (Plank Road Brownfield Corridor Inventory)		Firm responsibility (prime or sub?)	Prime
Project number		Owner's name	City of Baton Rouge – East Baton Rouge Parish	
Project location	Baton Rouge, LA		Owner's Project Manager	Jasmine Thomas
Owner's address, phone, email	1100 Laurel Street, Suite 104, Baton Rouge, LA 70802; dl: (225) 389-3144; jthomas@brla.gov			
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost (\$1,000's)		\$15
Services completed by this firm (mm/yy)	10/22	Cost of consultant services provided by this firm (\$1,000's)		\$15

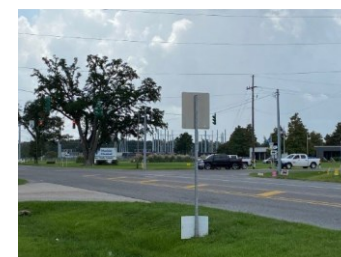
The Plank Road Multi-Lot Brownfield Inventory was performed in in general guidance with the procedures included in ASTM E1527-21, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. The purpose of this study was to assist the client in developing information to identify Recognized Environmental Conditions (RECs) in connection with the properties. During this corridor study, Terracon evaluated 167 properties along the 1.7-mile corridor. A total of 65 properties were identified to contain RECs based on historical activities, regulatory status or activities observed during the field reconnaissance. RECs identified included industrial activities, scrap yards, historical dry-cleaners, auto repair shops, auto fueling stations with historical or active underground storage tanks (USTs) & potential leaking underground storage tanks (LUSTs). The report was prepared by Mr. Stephen Osborne, P.G. under the direction of Lucio Nunez. Mr. Steve Whitting served as the Senior Geologist providing expert technical review.

Firm name	Terracon Consultants, Inc.		Past Performance Evaluation Discipline(s)*	Environmental
Project name	Impaired Waterway Monitoring			Firm responsibility (prime or sub?) Prime
Project number		Owner's name	West Baton Rouge Parish Government	
Project location	Baton Rouge, LA		Owner's Project Manager	Kevin Durbin
Owner's address, phone, email	PO Box 757 Port Allen, LA; 225-490-8509; kevin.durbin@wbrcouncil.org			
Services commenced by this firm (mm/yy)	01/21	Total consultant contract cost (\$1,000's)		\$14
Services completed by this firm (mm/yy)	10/22	Cost of consultant services provided by this firm (\$1,000's)		\$14

The Stormwater Management Plan for West Baton Rouge Parish Government MS4 identifies five water bodies that are impaired based on detection of various pollutants and assigned different Total Maximum Daily Load (TMDL) parameters. Terracon provides semi-annual field measurements and observations as well as laboratory analyses of water samples for Bayou Poydras, Bayou Choctaw, Chamberlin Canal, Intracoastal Canal, and Bayou Cholpe.

Firm name	<div>Michael Baker</div> <div>INTERNATIONAL</div>	Past Performance Evaluation Discipline(s)*		Road, Environmental	
Project name	LA 30: EBR PL – I-10			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Louisiana Department of Transportation and Development		
Project location	East Baton Rouge Parish, Louisiana		Owner's Project Manager	Joseph Brown, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802 225-379-1493 joseph.brown@la.gov				
Services commenced by this firm (mm/yy)	04/22	Total consultant contract cost (\$1,000's)			\$1,054
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)			\$387

Michael Baker was selected to perform the Environmental Assessment for the widening of LA 30 from the East Baton Rouge Parish line to Interstate 10. LA 30 is currently a mixture of two-lane and three-lane roadway with residential, industrial, and commercial developments. LA 30 corridor is experiencing rapid growth in the industrial and retail commercial businesses.



Additionally, DOTD is currently performing an environmental study for the construction of a new Mississippi River Bridge which may tie close or directly with LA 30. Specific coordination is between the LA 30 and Mississippi River Environmental teams is crucial to make sure both project progress without major issues. Atlas is currently working on the Mississippi River project and Michael Baker on LA 30 Corridor. Current Coordination and Collaboration between both firms and proximity to LA 429 Connector will provide efficient and seamless development of environmental document.

The environmental study is broken into two Phases: PEL Study Part 1 and PEL Study Part 2. Michael Baker's responsibilities include Traffic Impact Study, Line & Grade, Environmental Field Data Collection, SUE Services, and Environmental Documentation. The Traffic Study portion of the project requires the team to collect existing traffic counts along LA 30 along with turning movements at driveways. Michael Baker team will use the traffic counts to determine recommendations for the required improvements to carry forward during the study phase. Michael Baker team will host public involvement meetings to gather public input for the recommended alternatives. The public comments will be incorporated into the final documentation of the Environmental Assessment Document. The Michael Baker team will conduct SUE services due to the number of industrial pipelines that parallel LA 30 on both sides of the road. As part 2 of the PEL Study, the Michael Baker team will develop the environmental assessment document. An initial document will be created and reviewed during the public involvement process and after finalizing addressing public comment, the final document will be developed and published. Once FHWA finds a record of decision (ROD) and Finding of No Significant Impact (FONSI), the Environmental Assessment document will be published and distributed to the public for final record.

RELEVANT TO IDIQ

- Corridor Development
- Utility Coordination
- Hydraulics/Drainage
- Environmental Clearance

Team Members: [Daniel Thornhill, PE](#) | [Brandon Pitre, PE](#) | [Chris Gesing, PE](#) | [Alexis Harrouch, EI](#) | [TJ Holliday](#) | [Elizabeth Brock](#) | [Stephen Martin](#)

Firm name	<div>Michael Baker</div> <div>INTERNATIONAL</div>	Past Performance Evaluation Discipline(s)*		Environmental	
Project name	New Orleans Rail Gateway Environmental Impact Statement			Firm responsibility (prime or sub?)	Prime
Project number	H.005168	Owner's name	Louisiana Department of Transportation and Development		
Project location	Jefferson and Orleans Parishes, Louisiana		Owner's Project Manager	J. Dan Goodell	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70804-9245 225-274-4350			
Services commenced by this firm (mm/yy)		05/11	Total consultant contract cost (\$1,000's)		N/A
Services completed by this firm (mm/yy)		12/22 est.	Cost of consultant services provided by this firm (\$1,000's)		\$5,023

The New Orleans Rail Gateway is the fourth-largest freight rail gateway in the United States and is served by six Class I freight railroads, with passenger services provided by Amtrak and local operators, combining for approximately two million rail cars annually. The LADOTD needed to develop a plan to address concerns related to growth in the rail industry and intermodal rail transportation, including rail and roadway congestion, transit delays, and overall safety issues.

The challenge was to identify strategies to improve the existing and future flow of rail traffic through the New Orleans Rail Gateway while **reducing vehicle congestion at crossings and improving emergency evacuation procedures**, the reliability of marine traffic passing through the Industrial Canal, and overall environmental quality.

Understanding these priorities, Michael Baker is advancing studies for a "Program of Projects", according to LADOTD's SOP through the NEPA process, to formulate a thorough project purpose and need, develop detailed alternatives, and identify and evaluate potential impacts and opportunities. Michael Baker provided project management, existing studies review, environmental resources investigations, GIS mapping, rail and roadway travel demand modeling, alternatives analyses, rail and roadway conceptual design, cost estimates, stakeholder and agency coordination, and extensive public outreach.



The project is especially challenging due to the large number of very involved stakeholders – Federal, State and Local Agencies, the City of New Orleans, Jefferson Parish, the New Orleans Regional Planning Commission, six Class 1 carriers, Amtrak, the New Orleans Public Belt Railroad, The Port of New Orleans, neighborhood associations, environmental justice communities, business interests and the general public.

Team Members: [Christopher Gesing, PE](#) | [Daniel Thornhill, PE](#) | [Brandon Pitre, PE](#)



Firm name	<div>Michael Baker</div> <div>INTERNATIONAL</div>	Past Performance Evaluation Discipline(s)*		Environmental	
Project name	Louisiana 1 Improvements Alternatives Analysis and Environmental Impact Statement, EIS/ROD			Firm responsibility (prime or sub?)	Prime
Project number	700-29-0112	Owner's name	Louisiana Department of Transportation and Development		
Project location	Lafourche Parish, Louisiana	Owner's Project Manager	Michel Deshotels, Project Coordinator		
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804-9245 225-248-4192				
Services commenced by this firm (mm/yy)	09/99	Total consultant contract cost (\$1,000's)			\$929
Services completed by this firm (mm/yy)	09/04	Cost of consultant services provided by this firm (\$1,000's)			\$929

Louisiana Highway 1 (LA 1), between Golden Meadow, Leeville, and Grand Isle, Louisiana, is a rural two-lane arterial highway following the natural levee of Bayou Lafourche. The highway is subject to periodic tidal inundation, which necessitates maintenance beyond the normal requirements, including removing debris washed up by high water and repairing shoulders washed out during major storms, and it serves as the lone land access to Port Fourchon and Grand Isle, Louisiana's only inhabited barrier island.




LA 1 traverses the Barataria-Terrebonne National Estuary (BTNE). The estuary supports one of the most prolific and profitable fisheries in the Nation and is designated as Essential Fish Habitat (EFH) for a number of species including post-larval and juvenile white shrimp, brown shrimp, red drum (redfish), and Spanish mackerel. Seventy-five (75) percent of the deepwater oil and gas production from the Gulf of Mexico goes through Port Fourchon, which handles 13 percent of the Nation's foreign oil and is connected by pipeline to 30 percent of the U.S. refining capacity.

In addition to serving the residents, petroleum industry, commercial fishermen, and recreational sportsmen, LA 1 must serve as a hurricane evacuation route. With continued coastal erosion and subsidence, the region has become increasingly susceptible to flooding early in any weather event.

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. Similar to what is anticipated on LA 30, LA 1 had extensive environmental/wetland complexes throughout the project.


The unique ecology necessitated special studies to satisfy resource agency requirements, including a shading analysis requested by National Marine Fisheries Service. The study evaluated the project's shading effect on the health of smooth cord grass (*Spartina alternifolia*), the dominant coastal wetland plant in the Study Area. The study was used to identify impacts and compensatory mitigation to move the project forward. End on construction techniques were required to minimize impacts to the fragile ecosystem.

Team Members: [Christopher Gesing, PE](#) |

Firm name	Sustainable Design Solutions, LLC	Past Performance Evaluation Discipline(s)*	CE&I, Planning, Data Collection	
Project name	Clean Water Shreveport Consent Decree Program		Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	City of Shreveport	
Project location	Shreveport, LA		Owner's Project Manager	Burns McDonald
Owner's address, phone, email	William Daniel, 318-673-7660, William.Daniel@shreveportla.gov			
Services commenced by this firm (mm/yy)	06/19	Total consultant contract cost (\$1,000's)		\$9M
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)		\$1.7M

Sustainable Design Solutions, LLC (SDS) is a part of the team serving as the Program Management firm for the Clean Water Shreveport consent decree program where we assist with managing the design delivery and construction of projects to repair and replace both the sanitary sewer and potable water system in order to comply with the Clean Water Act standards by 2026. SDS is supporting Project Delivery, GIS Mapping, and providing Construction Management Services for the Program. SDS manages quality assurance and quality control procedures for Geospatial Information System (GIS) updates completed for the City of Shreveport to provide a more accurate representation of the existing water distribution and wastewater collection systems. We have worked with GIS technicians and analysts to complete required changes and ensure accurate information was submitted to the client. SDS also developed strategies for reviewing completed projects prior to delivery in a multiphase process with specific data attributes being analyzed in each subsequent review. These updates included newly installed and rehabilitated infrastructure based on as-built drawings and construction records, as well as updates based on information provided by field personnel and surveys. Finally, SDS completed update projects based on dynamic priority levels to ensure the most critical information was integrated into the existing GIS databases first.

Staff in this proposal: Jordan Sparks, E.I.; Jeremy Labiche, E.I.; Kodi C. Guillory, P.E.

Firm name	Sustainable Design Solutions, LLC	Past Performance Evaluation Discipline(s)*	Road, CE&I	
Project name	Nicholson Drive @Ben Hur Road	Firm responsibility (prime or sub?)	Prime	
Project number	19-CP-HC-0037	Owner's name	City of Baton Rouge/Parish of East Baton Rouge	
Project location	Baton Rouge, LA	Owner's Project Manager	HNTB – David Branch	
Owner's address, phone, email	Owner's Rep- Seneca Toussant, stoussant@laterre-eng.com , 225-718-5328			
Services commenced by this firm (mm/yy)	03/24/22	Total consultant contract cost (\$1,000's)	\$146	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$146	

This project includes the construction of a new road connecting the existing Ben Hur Road to Nicholson Drive. Scope of work includes the following: Asphalt concrete pavement, base course, drainage structures, grading, and RR crossing improvements. Role includes resident construction inspection and oversight services necessary to verify that construction activities are performed in conformance with contract documents and City-Parish standards (and/or LADOTD standards for State routes), is accurately documented, and is proceeding in accordance with the approved construction schedule. Daily duties include monitoring and tracking construction progress; inspecting and tracking eligible work and related pay items; observing that work is completed safely; verifying work is performed in accordance with the plans and specifications; confirming work does not adversely affect adjacent areas or property; and assisting the City-Parish in dispute resolution or claims.

Staff in this proposal: Jeremy Labiche, E.I.; Ashish Khanal, E.I., Kodi C. Guillory, P.E.


Firm name	Sustainable Design Solutions, LLC	Past Performance Evaluation Discipline(s)*	Road, CE&I	
Project name	Ashland Road to St. Landry Avenue Connector Project		Firm responsibility (prime or sub?)	Sub
Project number	MA-17-05	Owner's name	Parish of Ascension	
Project location	Parish of Ascension		Owner's Project Manager	Joey Tureau
Owner's address, phone, email	615 E Worthey st. Gonzales, LA 70737 ;225-450-1320; joey.tureau@apgov.us			
Services commenced by this firm (mm/yy)	03/2020	Total consultant contract cost (\$1,000's)	\$88	
Services completed by this firm (mm/yy)	10/2020	Cost of consultant services provided by this firm (\$1,000's)	\$106	



Sustainable Design Solutions, LLC provided CE&I services for the Ashland Road to St. Landry Avenue project: This project involves the construction of a ½-mile long road section between Ashland Road and St. Landry Avenue, Gonzales, Ascension Parish, Louisiana. Duties include but are not limited to reconciliation of all quantities, daily coordination and communication with the Parish, notifying the Contractor when there are deviations from the specifications, verifying if the Contractor had coordinated with the necessary utility companies, verifying if damaged subsurface utilities were repaired to specifications, confirming if field tests and material tests are within acceptable limits, and verifying if proper traffic control measures were being implemented.



Staff in this proposal: Kodi C. Guillory, P.E.

Firm name	Team Civic Solutions	Past Performance Evaluation Discipline(s)*	Planning, Appraiser	
Project name	United State Department of Housing And Urban Development Exclusive Closing Agent		Firm responsibility (prime or sub?)	Prime
Project number	Unknown	Owner's name	U.S. Department of Housing and Urban Development	
Project location	State of Louisiana		Owner's Project Manager	Roland Davis
Owner's address, phone, email	roland.davis@hud.gov, 303-672-5014			
Services commenced by this firm (mm/yy)	2012	Total consultant contract cost (\$1,000's)		\$1,400
Services completed by this firm (mm/yy)	2013	Cost of consultant services provided by this firm (\$1,000's)		\$1,400

Relevant Tasks: Title Search, Examination, Curative, Coordination with Foreclosure firms, Closing, Document Preparation, Escrow & Disbursement, Recording and Cancellation and Title Insurance Services


Project Description:

In connection with HUD's objective of making credit available to potential homebuyers, it insures certain loans made by private mortgage companies through the Federal Housing Administration. This guaranty incentivizes private lenders to extend credit to a population who may not have the required income, down payment or credit needed to obtain conventional financing. In order for a private lender to be paid the guaranteed amount by FHA, it is first

required to foreclose on, and take title to the property. Once the lender obtains title, it is then required to transfer title to HUD in exchange for the payment of the amount that was guaranteed by FHA. The result is a large inventory of foreclosed properties by HUD. As a part of HUD's disposition plan for this inventory, it contracted with Team Title to act as its exclusive closing agent within the State of Louisiana. In this role, TCS closed in excess of 1,200 sales from HUD to an end user to get the property back into commerce and out of HUD's REO inventory. Each closing for HUD required an almost identical set of tasks solicited in the RFP. We performed full title searches in every Parish in the State of Louisiana, had an attorney review each abstract and render a title opinion and ultimately a title commitment. We provided curative services when necessary and conducted Closings in five strategic locations throughout the State as well.

PROJECT OUTCOMES:

- Ensured over 1,200 sale transactions
- Performed title searches and closings within all 64 parishes
- Daily interaction with foreclosure firms

Firm name	Team Civic Solutions	Past Performance Evaluation Discipline(s)*	Planning, Appraiser	
Project name	CDBG REO Property Divestiture Program		Firm responsibility (prime or sub?)	Prime
Project number	Unknown	Owner's name	Louisiana Land Trust ("LLT")	
Project location	State of Louisiana	Owner's Project Manager	Michael Taylor	
Owner's address, phone, email	11100 Mead Road, #200, Baton Rouge, LA 70816, 318-613-7701 mtaylor@lalandtrust.us			
Services commenced by this firm (mm/yy)	2009	Total consultant contract cost (\$1,000's)		\$650
Services completed by this firm (mm/yy)	2018	Cost of consultant services provided by this firm (\$1,000's)		\$650


Relevant Tasks: Title Search, Curative Services, Conveyance/ Divesture of CDBG Property Inventory

Project Description:

The Louisiana Land Trust (originally formed as the Road Home Corporation, Inc.) was the entity formed by the State of Louisiana to hold title to, and manage, the inventory of properties acquired by the State with CDBG funds in the course of administering the Louisiana Road Home Program in response to Hurricane Katrina in 2005. TCS's successful performance of work on the Road Home Program naturally led to our involvement with programs created because of the inventory of properties acquired by the Louisiana Land Trust ("LLT"). The primary purpose and scope of this project was to accomplish the transfer of the approximately 1,500 properties. TCS's successful delivery of the task required by this project has again proven our ability to deliver large quantities of title work and closings in a very short time. TCS was able to deliver LLT with 200 title commitments every day until their entire inventory was searched and examined. Moreover, there was an intensive title curative work performed in connection with the delivery. It was LLT's policy to deliver pristine title to each municipality or end use. To implement this policy, TCS cleaned up numerous titles prior to transfer, including cancellations of old mortgages, acts of correction, acts of distinction, quitclaims, successions, etc. Thereafter, mass conveyance instruments were prepared and title to batches of properties transferred directly to local municipalities. In addition to the direct transfer of title to the mentioned municipalities, TCS worked directly with the municipalities, in certain circumstances, to transfer title directly to end-use builders or homeowners at property inventory auctions. In each instance, the title transferred was covered by an Owners Title Insurance policy issued by TCS

PROJECT OUTCOMES:

- Delivery of 200 full title search and commitment per day until LLT's entire CDBG inventory was searched and examined.
- Integration of title curative work into the CDBG program pace and needed speed of project delivery requirements.
- TCS was re-engaged in 2013 for an additional five years, (from 2009) due to the need for extensive title curative services and speed of delivery of title searches.

Firm name	Team Civic Solutions		Past Performance Evaluation Discipline(s)*		Planning, Appraiser	
Project name	Louisiana Road Home Program			Firm responsibility (prime or sub?)	Sub	
Project number	Unknown	Owner's name	Louisiana Office of Community Development			
Project location	State of Louisiana		Owner's Project Manager	Al Blankenship, ICF		
Owner's address, phone, email	980 Beaver Creek Drive, Martinsville, VA 24112, 703-934-3603, albert.blankenship@icf.com					
Services commenced by this firm (mm/yy)	2017	Total consultant contract cost (\$1,000's)			\$30,000	
Services completed by this firm (mm/yy)	2018	Cost of consultant services provided by this firm (\$1,000's)			\$30,000	

Relevant Tasks: Title Search/Ownership, Verification Grant Execution/Closing, Services, Escrow & Disbursement Services, Buy-Out, Acquisition and Title Insurance Services

Project Description:

The Louisiana Road Home Program was the CDBG Housing Assistance Program launched by the State of Louisiana to administer and disburse over \$9 Billion in CDBG funds allocated to aid its citizens after the devastation caused by Hurricane Katrina in 2005. In the course of executing the scope of work, TCS closed over 60,000 grant transactions and over 4,000 buy-out transactions. The project required large volumes of closings in short time frames, while disbursing billions of dollars and accounting on a regular basis for all funds and timing and type of disbursement. TCS successfully performed the scope requirements of The Road Home Program with the following required tasks:

- Develop and build custom and unique information systems necessary to manage and process extremely large amounts of information, and to efficiently use that information in a number of ways including, reporting, document preparation, quality assurances and scheduling of mass closings.
- Manage and train numerous employees in many aspects, including, document preparation, escrow account management, banking and disbursement procedures, call center communications, scheduling, notarial services, title clearance, post-closing procedures, title policy and commitment preparation, and title abstracting.
- Conduct large-scale closings in several different closing locations. This required mass scheduling, crowd management; fast, accurate and thorough document preparation, flexibility to closing table changes and simultaneous management of a processing center in concert with, and in compliment to, the closing room.
- Create and carry out accurate, error free, but fast escrow account disbursement. TCS has receipted and disbursed up to \$60 Million within a seventy-two (72) hour disbursement deadline imposed by HUD. Disbursements were made pursuant to written instructions received from the homeowners and were done either by check or wire. Recording fees were accounted for and taken into consideration along with payoffs to mortgage holders and the US Small Business Administration. Funds were requested the day after grant closings and seven days prior to all sale closings. Funds were requested in aggregate with supporting detail and then received to escrow in aggregate as well. Once received, funds were de-aggregated into individual escrow accounts and disbursed within 72 hours of receipt.

PROJECT OUTCOMES:

- 60,000 Grant Transactions Closed
- 4,000+ Buy-Out Transactions Closed & Insured
- 5,000+ abbreviated and full Title Searches Completed
- \$4,000,000,000 in CDBG funds to affected homeowners

18. Approach and Methodology:

ELOS and its team of subcontractors (ELOS Team) are highly qualified with years of experience in working with DOTD to evaluate the social, economic, and environmental consequences of proposed roadway designs and alternatives and presenting this information in required environmental documents. The ELOS Team will utilize its experience and industry knowledge to ensure the environmental document is prepared in accordance with the National Environmental Policy Act (NEPA), applicable rules, laws, guidance and regulations, and other applicable federal and Louisiana Department of Transportation and Development (DOTD) publications as specified by DOTD.

PROJECT WORK PLAN & SCHEDULE

ELOS's designated project manager will prepare a Project Work Plan that will include details on the participants, the project scope, public and agency participation, and the project schedule. The ELOS Team intends to utilize the depth of qualified personnel and relevant experience available amongst the members of the team to expedite the services provided and ensure delivery of project goals within the desired time frames.

The ELOS Team anticipates an overall project timeline of no more than 500 days. The Final Project Deliverable will be an Environmental Document summarizing all the required data, studies, and comment/responses to satisfy NEPA, FHWA, DOTD, and any other relevant agency requirements. The ELOS Team will provide the Final Project Deliverable along with individual task/study specific deliverables in accordance with all requirements as specified by DOTD in this solicitation and any other requirements established by relevant agencies and authorities.

ENGINEERING STUDIES

LINE AND GRADE STUDY

Michael Baker International, along with support from relevant Arcadis and Sustainable Design Solutions staff, will prepare a line and grade study for the reconstruction of the eastbound section of the US 190 couplet (Vine St) through Opelousas, LA. The line and grade study will be performed and all documentation prepared according to any required standards specified by DOTD as part of this solicitation or as noted by other authorities, agencies, or stakeholders. The ELOS Team understands that line and grade study will be included as part of the environmental document and will ensure it contains a minimum of the following: Table of Design Criteria; Plan and profile displays as noted in the solicitation; Displays of typical roadway and bridge sections; Cost estimates for right of way, utility relocation and construction.; Design Report(s), any required design waivers and exceptions; and Electronic files for all plan sheets and displays and others.

TRAFFIC

Sustainable Design Solutions, a Louisiana based WDBE firm, along with support from relevant Michael Baker International and Arcadis staff, will complete traffic studies to gather and provide the traffic data required as part of the necessary documentation. All traffic studies will be performed and all documentation prepared according to any required standards specified by DOTD as part of this solicitation or as noted by other authorities, agencies, or stakeholders. The ELOS Team understands the purpose of this study is to identify and analyze signalized and unsignalized controlled intersection crossing areas with a high number of predicted pedestrian crashes. As specified by DOTD, the studies and data collected will include at minimum: Current Signal Timings; Crash Data; Count Data and Field Observations; Existing Intersection Diagram; Operating Speed; and Mitigation Strategies/Alternatives

TECHNICAL STUDIES (NEPA AND OTHER APPLICABLE LAWS AND REGULATIONS)

ENVIRONMENTAL ANALYSIS AND DOCUMENTATION

The ELOS team will utilize its experience to ensure all environmental documents are prepared in accordance with NEPA, the current transportation plan, applicable rules, laws, guidance and regulations, other applicable federal, and other publications as specified by DOTD as part of this solicitation.

CLASS OF ACTION

Prior to preparing the environmental document, ELOS will coordinate the Class of Action with DOTD. ELOS will work with DOTD to obtain confirmation of the class of action with FHWA based on the information obtained during the initial SOV and preliminary studies. This determination will help in guiding the project through the remainder of the required review process.

Depending on the Class of Action, the ELOS Team will utilize mapping and GIS tools to develop the appropriate figures to define the constraints of the study/project area. All requests will be submitted by the ELOS Team to be reviewed and approved by DOTD's Environmental Section prior to submission.

SUMMARY OF PERMITS, MITIGATION, AND COMMITMENTS

The ELOS team will summarize all permits, mitigations, and commitments at the beginning of the environmental document. The ELOS Team will provide all qualitative data needed by DOTD to complete required permits to all relevant agency or industry standard specifications. The permits to be identified will include at a minimum but not be limited to: US Army Corps of Engineers, Section 10/404 Permit; Construction National Pollutant Discharge Elimination System Stormwater Permit; and Clean Water Act, Section 401 Water Quality Certification

DOCUMENTATION OF PURPOSE AND NEED

The ELOS Team will work with DOTD designated personnel to verify and refine the identified purpose and need for the project. The ELOS team will clearly describe the purpose and need in accordance with FHWA guidance, and any other guidance specified by DOTD, as part of the environmental document. The ELOS Team will coordinate with local, regional, state and federal agencies as necessary, utilizing long standing working relationships, to obtain available information concerning the proposed project's purpose and need.

ALTERNATIVES

THE ELOS Team will include discussion of all alternatives (including the No-Build) as part of the environmental document. The ELOS Team will include up to three alternatives, including the no-build, for evaluation in the environmental document. If any alternative is dismissed at an early stage, the reasons for the dismissal shall be discussed in the environmental document. The alternatives shall address the purpose and need of the project. These alternatives, including the No-Build, will be described and analyzed in the environmental document. The ELOS Team will develop all necessary typical sections and estimate the required right-of-way for the proposed alternatives. The estimated right-of-way takings will be crucial data in analyzing the various impacts of the alternatives and for compiling the required cost estimates for each alternative. Exhibits and figures depicting the alternatives, typical sections, and estimated right-of-way takings will be processed and prepared for the Public Involvement events, stakeholder meetings, and Agency Coordination. The Preferred Alternative, and the justification for its selection will be identified and discussed in the environmental document.

IMPACTS

THE ELOS Team will utilize its depth of qualified staff to perform the required impact studies concurrently. The ability to perform these studies concurrently will expedite the overall timeline for producing the required environmental documents. The environmental document will include a detailed analysis of the environmental effects, if any, associated with the proposed project alternatives, including the No-Build. The ELOS Team will define measures to minimize and mitigate all identified unavoidable adverse impacts. As appropriate, The ELOS Team will work to provide justification for any adverse impacts that cannot be avoided or minimized. All potential mitigation measures to reduce or alleviate impacts will be coordinated with DOTD and ultimately identified in the environmental document.

The ELOS Team anticipates that coordination with local officials and resource agencies will be necessary through the impact identification process. The ELOS Team will ensure that the DOTD Environmental Coordinator is kept informed of all coordination efforts prior to making contacts with resource agencies. All coordination and communication efforts will be tracked and documented with the DOTD Environmental Coordinator included on all communications. During this coordination, any items of special or local interest will be noted and evaluated as part of the project impact studies.

All impact studies will be performed and all documentation and deliverables prepared according to any required standards specified by DOTD as part of this solicitation or as noted by other relevant authorities, agencies, or stakeholders. Items to be discussed in the environmental document include at a minimum, but are not limited to:

Land Use (M. Baker); Farmland (M. Baker); Wetlands (ELOS); Wetland Reserve Program (WRP) (Terracon); Water Resources (Terracon); Threatened & Endangered Species (T&E) (ELOS); Aesthetics/Unique or Environmentally Sensitive Areas (ELOS); Environmental Site Assessment (Terracon); Air Quality (Arcadis); Cultural Resource Survey and Archaeological/Historic Properties (106 & 4(f)) (M. Baker/ELOS); Socio-Economic / Community Impacts (Arcadis); Environmental Justice (Terracon); Relocations and Conceptual Stage Relocation Plan (Team Civic Solutions); Section 4(f) of the Department of Transportation Act (M. Baker/ELOS); Sections 6(f) of the Land and Water Conservation Fund Act Resources (M. Baker/ELOS); Utilities Effects Summary (SDS/Arcadis); Floodplains (ELOS/Terracon); Indirect, Cumulative, and Temporary Construction Effects (M. Baker/Arcadis); and Other Impacts (SDS/Arcadis)

The ELOS Team will develop an Impact Matrix/Summary database of the relevant environmental issues for each alternative to assist in comparing each proposed alternative. The matrix will be developed by the ELOS Team and submitted to DOTD and FHWA for review and approval before being included in the environmental document or presenting it at a meeting or public involvement event.

PROJECT MAPPING AND GIS

The ELOS Team will utilize Geographic Information Systems (GIS) and experienced staff at each firm to compile figures illustrating the relevant characteristics of the study area. The ELOS Team will ensure all project mapping adheres to the DOTD GIS guidelines and any other relevant agency requirements. This will include collecting all relevant available GIS data to assist in establishing and populating the study area base map with aerial photography and incorporated collected project data.

COST ESTIMATE

Michael Baker International, along with support from Team Civic Solutions, will lead the ELOS Team efforts in development of preliminary cost estimates for each proposed project alternative. The project costs will include estimates for all engineering design, ROW acquisition, construction, utility relocation, and mitigation costs. The ELOS Team will ensure that estimates for ROW will include all land and improvements situated within the proposed ROW, estimated cost for land and improvements not in the required ROW but that are susceptible to being impacted by the proposed project, and the cost for relocation assistance. The ROW cost estimate will take into consideration all costs that may accrue due to the proposed project.

PREPARATION OF TRANSCRIPTS AND MEETING SUMMARIES

AGENCY AND PUBLIC COORDINATION

Agency and public input will be gathered through a combination of the SOV letters, interagency meetings, up to two (2) formal Public Involvement events. The details of the agency engagement and public involvement process and plans will be provided to DOTD in the Project Work Plan. The ELOS Team will prepare a summary of agency engagement and public participation for inclusion in the appropriate section of the environmental document.

The ELOS Team will coordinate preparation and transmittal of the required SOVs. The ELOS Team will draft an SOV letter and appropriate attachments for review and comment by DOTD. This SOV packet will describe the alternatives being studied in the environmental document and will contain a preliminary project description and vicinity map. The SOV packet will be distributed by the ELOS Team upon approval to Federal, State, and local agencies, organizations, and individuals whose expertise may assist with the identification of possible adverse concerns (economic, social, or environmental) within the project area. In order to prevent potential delays, the ELOS Team will develop, and submit to DOTD for review and comment, early Section 106 coordination maps and a draft letter for Tribal coordination concurrently with the SOV period.

The ELOS Team's designated project manager will coordinate logistics of agency and public meetings as well as participation of relevant, expert technical staff to ensure engagement with all required agencies as well as the general public. All communications and coordination with other Federal, State and local agencies will be closely coordinated with and approved by the DOTD's Environmental Coordinator prior to any contact. The ELOS Team understands it is responsible for setting up Agency Meetings addressing environmental issues including, but not limited to, coordinating meetings with other local, federal, and state agencies, public official meetings, DOTD/FHWA progress meetings, and conference calls. The ELOS Team will coordinate a kick-off meeting with the DOTD project team within 10 days of receiving the Notice to Proceed in order to ensure project goals, timelines, and expectations are established prior to commencement of the project. The ELOS Team will prepare transcripts of events as required, including a verbatim transcript of recorded statements, copies of meeting materials, copies of official notice/press releases/and proof of publication, sign-in sheets, written comments, and other meeting materials. Each transcript will be provided to DOTD for review and approval prior to any distribution.

PREPARATION OF THE ENVIRONMENTAL DOCUMENTS

ENVIRONMENTAL DOCUMENTS

All environmental documents will be prepared by the ELOS Team in accordance with and following FHWA's and DOTD guidelines as well as any other guidelines specified by DOTD during contract performance. The ELOS Team will remain in contact with the Environmental Coordinator to determine the exact number of hard copies required prior to any submittals based on Class of Action and required agency personnel participation. The ELOS Team will ensure that all comments, including those received at the Public Meeting(s) are addressed in the environmental document prior to the DOTD's Environmental Section requesting approval from FHWA for public distribution.

The ELOS Team understands that distribution of the environmental document will be its responsibility. The ELOS team will compile and submit the distribution list for review and approval by DOTD's designated personnel. The ELOS Team will compile a summary of all comments received on the document, along with changes made in order to address the comments, to facilitate the review process.

If the Class of Action is an EA, the ELOS Team will prepare the EA in accordance with FHWA's technical guidelines and regulations. Upon approval, the ELOS team will distribute the EA and advertise its availability, as well as schedule a public hearing. Upon close of the public comment period and Public Hearing, the ELOS Team will submit a draft Finding of No Significant Impact (FONSI) which addresses all comments received on the EA. The ELOS Team will work with DOTD throughout review of the EA and submittal and response to comments. Upon issuance of the FONSI by FHWA, the ELOS Team will coordinate distribution of the notice of availability to all those who received the EA or the notice for the EA.

If the Class of Action is a CE, the ELOS Team will provide DOTD with a draft CE document for review and comment. The ELOS Team will then address DOTD's comments and resubmit for DOTD's submittal to FHWA for review and approval. The ELOS Team will address FHWA's comments and provide a comment response table with the revision.

The ELOS Team will work to ensure that all electronic deliverables are produced in conformance with DOTD Software and Deliverable Standards for Electronic Plans document in effect as of the effective date of the most recent contract action or modification, unless otherwise exempted in writing by the Project Manager.

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
ELOS	Environmental	H.014242	LA-124 Big Branch, Sandy etc.	\$5,085
		H.014243	LA-472 Indian and Big Bear	\$57
		H.014245	LA-119 Creeks & Bayou Pierre	\$111
		H.014247	LA-399 Creeks, Little 6 Mile Creek	\$6,200
		H.014248	LA-124 Creeks, Broke Leg Bayou	\$57
		H.014249	LA-126 Creek	\$3,690
		H.014250	LA-577 Creek & Bull Bayou	\$3,496
		H.014268	LA-4 Creeks, Bear, Squirrel	\$134
		H.013958	Carpenters	\$3,783
		H.013970	LA 717	\$5,476
		H.013984	LA 16 Bridge	\$2,054
		H.014265	N. River Road Bridge Over Irving Branch	\$6,655
		H.014267	Savanne Road Bridge Over Hanson Canal	\$6,640
Arcadis	Bridge	H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	\$503,079
		H.000413	Cross Bayou Bridge Replacement	\$169,582
	CE&I/OV	H.011220.6-1	I-10 CBD2 Carrollton-Lafitte Ave and Supplement Nos. 1 & 2	\$199,049
		H.013710.6	I-10: US 61 to Laplace ITS Deployment	\$399,803
	Environmental	H.002397.2	LA 16 (Pete's Hwy) Interstate 12 Interchange Route	\$20,109
		H.011328.2	I-49 South (Ricochoc to Berwick)	\$807,263
		H.009932	US 80 Widening: Vancil Road to Well Road Environmental Assessment	\$5,343
		H.012891	LA 300 at Bayou LaLoutre	\$7,151
		H.014215	LA 20 at 40 Arpent Canal and Drainage Canals	\$18,212
		H.014213	LA 700 at Indian Bayou and Bayou Grand Marais	\$12,483
		H.014279	LA 35: Drain Canal Near Lawtell	\$13,836
		H.014278	LA 85: Patout and Drain Canal Bridges	\$18,058
		H.014276	LA 975: Creek Bridges	\$8,204
		H.014216	LA 682 at Norris Canal and Unnamed Tributaries	\$30,314
		H.014241	LA 10 at Mill Creek	\$11,465
		H.014251	LA 422: Bridge Over Unnamed Stream	\$14,828
		H.012565	LA 963 at Redwood Creek and Little Redwood Creek	\$7,192
		H.014257	LA 68 at Karris Creek	\$27,629
		H.014253	LA 421 at Thom Creek	\$6,031

Arcadis	Environmental	H.014256	LA 952 at McKowen Creek and Beaver Creek	\$32,217
		H.014254	LA 955 at Knighton Bayou, Trib. Olive Branch, White Branch, and Chapman Branch	\$18,268
		H.012061	LA 1 at Lateral W15#7A and Bayou Moreau	\$7,827
		H.014252	LA 1054 at Tyner Creek	\$6,057
	ITS	H.013868.5	ITS Program Management and Operations (2022)	\$405,062
		H.013868.6 (A)	ITS Routine Maintenance Engineering and Inspection (ME&I) (2022)	\$499,404
		H.013868.6 (B)	ITS Responsive/Emergency Maintenance Engineering and Inspection (ME&I) (2022)	\$120,369
			Purchase Order No. 2000673913 Upgrade of Existing CCTV Camera with New HD CCTV Camera on the I-20 @ Barksdale CCTV Pole in Shreveport, LA; Purchase Order No. 2000673940 US 61 @ Troop A Mini-Split Install; Purchase Order No. 2000673945 NORTMC Security CCTV Maintenance; Purchase Order No. 2000686217 I-110 @72 nd St. CCTV Site Repair	\$19,200
		H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	\$105,911
	Road	H.011328.2	I-49 South (Ricohoc to Berwick)	\$344,080
		H.012901.6, H.010634.6	US 90Z (Bodenger Blvd. – Stumpf Blvd.)	\$339,654
	Traffic	H.011328.2	I-49 South (Ricohoc to Berwick)	\$172,040
		H.012889.5	I-20 Rehab (Pines Road to I-220)	\$105,896
		H.003370	I-220/I-20 Interchange IMP & BAFP Access Design Build	\$15,000
		H.004100.5	I-10: LA 415 to Essen Lane on I-10 and I-12	\$273,604
		H.005121	LA 1/LA 415 Connector	\$105,842
		H.972419.1	SHSP Update and Regional SHSP Marketing/Advertising Support	\$6,957
		H.012018.6	Adaptive Traffic Signal Design and Implementation	\$31,594
		H.014305.1	US 61: Cardinal Drive to Bert Street	\$22,179
		H.013797	LA 30: EBR PL – I-10	\$459,160
		H.000413	Cross Bayou Bridge Replacement	\$141,425
Terracon	Environmental	H.004273.5	Lafayette Urban Section (I-49 Lafayette Connector) Phase II ESA, Lafayette Parish	\$8,660
	Geotechnical	H.002868	I-49 Frontage Road Bridges PDA Testing	\$227,157
		H.005967	Nelson Road Extension and Bridge	\$52,531
		H.012569	Little Sugar Creek Bridge	\$4,423
		H.005121	LA-1 and LA-415 Connector	\$227,216
		H.000385.5	US190: LA415 & RR Overpass	\$214,077
		H.011670	Loyola Interchange Design-Build	\$221,317

Terracon	Geotechnical	H.012033	Cross Bayou and Caney Bayou	\$19,990
		H. 002794.5	LA 308 – Canal Bridges Near Larose	\$696
Michael Baker	CE&I/OV	Contract No. 4400014845 Task Order No. H.012018.6 S.P. No. H.012018.6 F.A.P. No. H012018	Adaptive Traffic Signal and Implementation, Lafayette Parish	\$364,841
		Contract No. 440001485 Task Order No. H.0003184.6 S.P. No. H.003184.6	IDIQ Contract for Construction Engineering and Inspection Services with majority of work in District 07, I-10: Texas State Line - E. of Coone Gully, Calcasieu Parish	\$779,165
		Contract No. 4400013851 Task Order No. H.013271.6 S.P. No. H0.013271.6 F.A.P. No. H.013271	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I), Statewide Tangipahoa PH Local Road Safety Upgrade, Tangipahoa Parish	\$3,453
		Contract No. 4400013851 Task Order No. H.013271.6-2 S.P. NO. H.013271.6-2 F.A.P. No. H013271	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I) Tangipahoa PH Local Road Safety Upgrade, Tangipahoa Parish	\$15,845
		Contract No. 4400013851 Task Order No. H.013271.6-3 S.P. NO. H.013271.6-3 F.A.P. No. H013271	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I) Tangipahoa PH Local Road Safety Upgrade, Tangipahoa Parish	\$0

Michael Baker	CE&I/OV	Contract No. 4400013841 Task Order No. H.012473.6 S.P. No. H.012473.6 F.A.P. No. H012473	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I), Statewide Marconi Dr. Shared-Use Path	\$2,632
		Contract No.4400013851 Task Order No.H.009308.6 S.P. No. H.009308.6 F.A.P. No. H009308	IDIQ Contract for Construction Engineering and Inspection Services for Safety Projects (CE&I), Statewide New Orleans DPW SRTS Sidewalk Project	\$114,750
		Contract No.4400013851 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	\$101,228
		Contract No.4400013851 Task Order No. H.013082.6 S.P. No. H.013082.6 F.A.P. No. H013082	Bootlegger Road Sidewalks St. Tammany Parish	\$69,678
		Contract No. 4400015166 S.P. No. H.007288.6 (CE&I) F.A.P. No. H007288	Montgomery St. (LA 34 – I-20), City of West Monroe, Ouachita Parish	\$0
	ITS	Contract No. 4400011253 S.P. No. H.011500.6	Retainer Contract for Intelligent Transportation Systems (ITS), Lake Charles ITS Phase 3	\$2,297
Michael Baker	Road Bridge	Contract No. 4400021519 S.P. No. H.012030.5 F.A.P. No. H012030	US 371: KCS RR Overpasses HBI	\$274,360 \$274,360
	Road Bridge Environmental	Contract No. 4400019379	LA 30: EBR PL-I-10	\$107,285 \$51,325

		S.P. No. H.013797 F.A.P. No. H013797		\$199,243
	Environmental	S.P. No. H.005168 F.A.P. No. DE-9208 (500)	NORG-Jefferson Highway EA, New Orleans, Louisiana Supplemental Agreement	\$477,295
	Environmental Road	S.P. No. H.005168	NORG – Avondale PEL Study, New Orleans, Louisiana Supplemental Agreement	\$781,426 \$76,555
	Other	Contract No. 4400017092 Task Order No. 2	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 6	\$876,983
		Contract No. 4400017092 Task Order No. 3	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 6	\$1,818,17 8
		Contract No. 4400017090 Task Order No. 2	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 4	\$1,030,65 3
	Other	Contract No. 4400017090 Task Order No. 3	Collection of Existing Watershed Datasets, Models, and Studies; and Proposition of Modeling Design Approach, Schedule and Costs, Region 4	\$191,438
		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	\$1,906,51 6
		Contract No. 4400019130 Task Order No. 1	IDIQ Contract for Statewide Aviation Program Update – Phase II Statewide	\$4,980
	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	\$50,000
Sustainable Design Solutions, LC	N/A	N/A	N/A	N/A
Team Civic Solutions	N/A	N/A	N/A	N/A

20. Certifications/Licenses:

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

MPR #1



National Highway Institute
Certificate of Training
Lucas Watkins



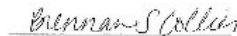
has participated in
FHWA - NHI Course No. 142005
NEPA and the Transportation Decision-making Process (3 Days)

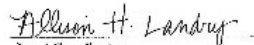
hosted by
LA DOTD/LTRC

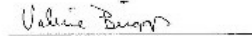
Date: December 8-10, 2015
Location: Baton Rouge, LA

Hours of Instruction: 18


Instructor


Instructor


Local Coordinator


Valerie Briggs, Director
National Highway Institute



National Highway Institute
Certificate of Training
JERRY GRAVES



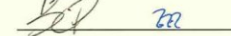
has participated in
FHWA-NHI-142005 NEPA and the
Transportation Decisionmaking Process

hosted by
LA DOTD/LTRC

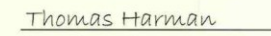
Date: August 10-12, 2022
Location: Baton Rouge, LA

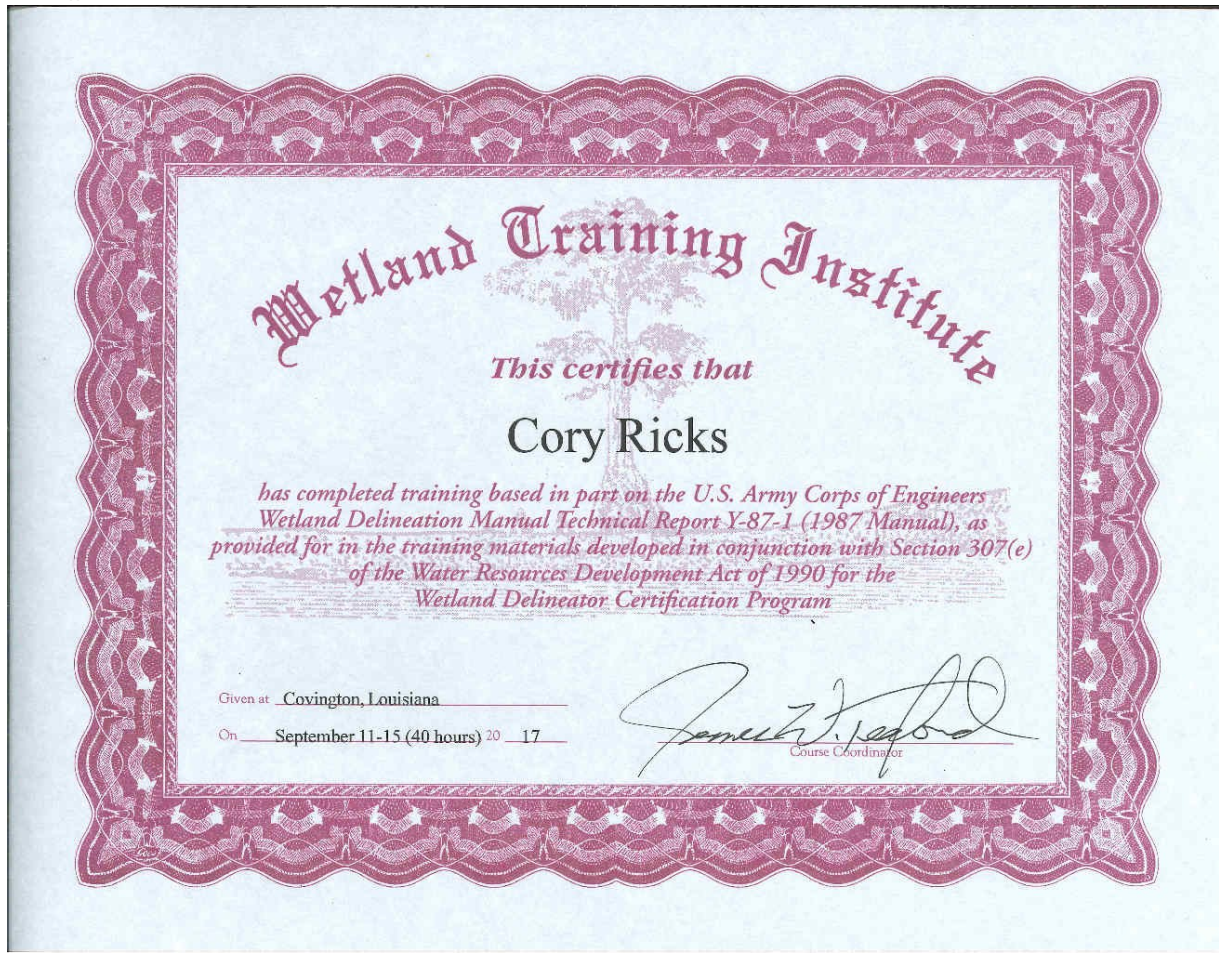
Hours of Instruction: 18

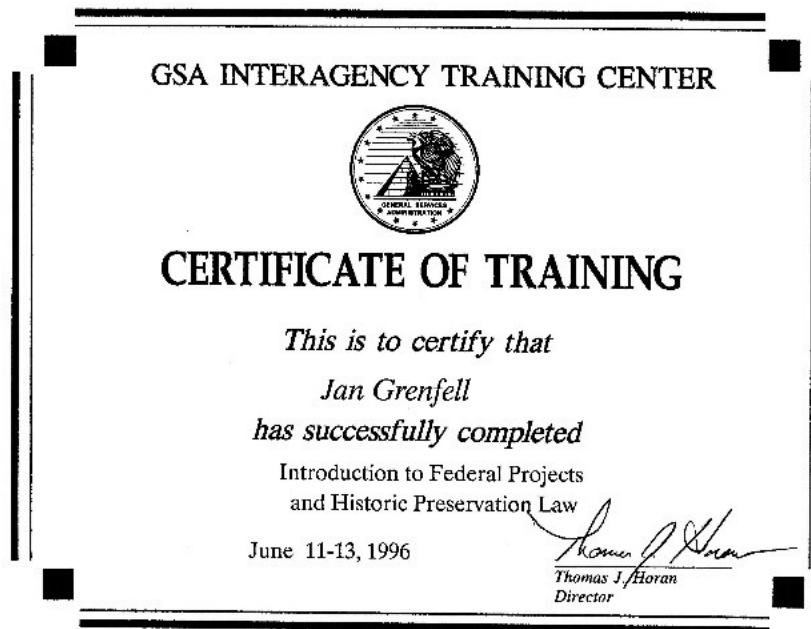

Instructor

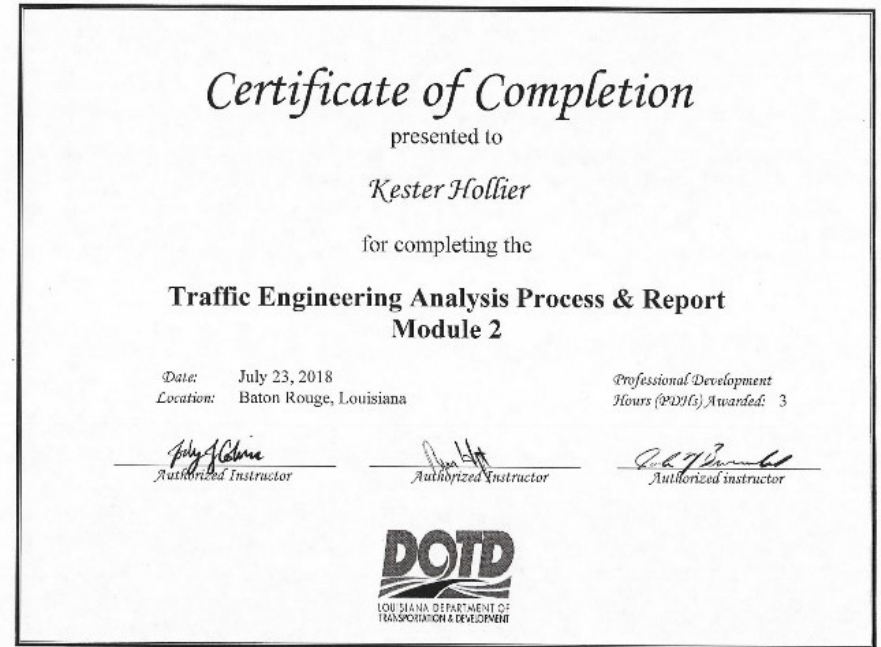
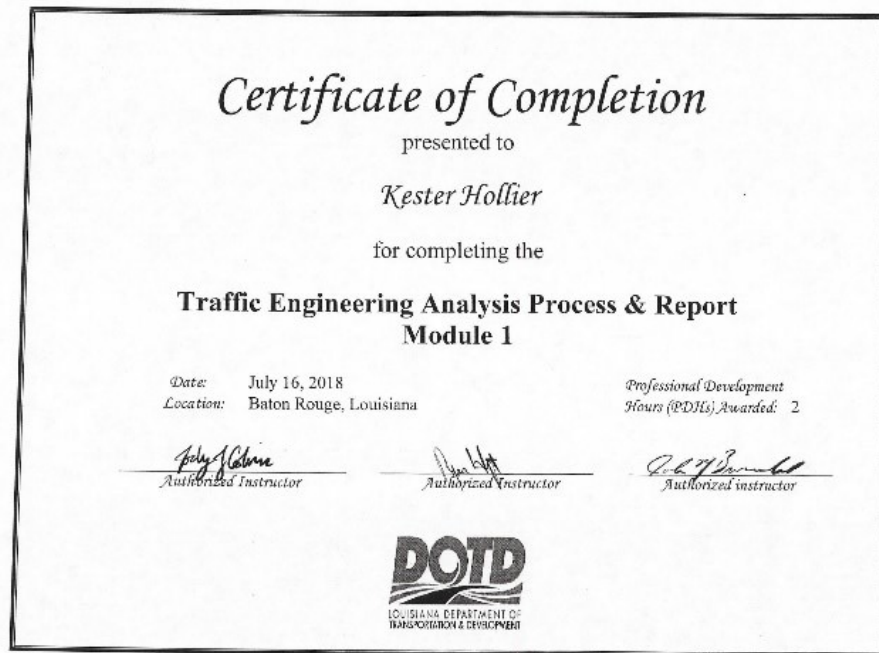

Instructor


Local Coordinator


Thomas Harman, Director
National Highway Institute







Certificate of Completion

presented to

Kester Hollier

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Poly Colina
Authorized Instructor

Ari Deitch
Authorized Instructor

Robert Brumfield
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 1

Date: July 16, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2

Poly Colina
Authorized Instructor

Ari Deitch
Authorized Instructor

Robert Brumfield
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: July 23, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Poly Kolene
Authorized Instructor

Ari Deitch
Authorized Instructor

Robert J. Broussard
Authorized instructor



Certificate of Completion

presented to

Ari Deitch

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3

Poly Kolene
Authorized Instructor

Ari Deitch
Authorized Instructor

Robert J. Broussard
Authorized instructor








21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

22. Sub-consultant information:

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

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and email address	Phone Number
	10352 Plaza Americana Drive Baton Rouge, LA 70816	Akhil Chauhan, PE, PTOE, PMP, PTP Akhil.chauhan@arcadis.com	504 232 9820
	2822 O'Neal Lane, Bldg. B Baton Rouge, LA 70816	Lynne Roussel McMillen lynne.roussel@terracon.com	225-239-2632
	2600 CitiPlace Drive, Suite 450, Baton Rouge, LA 70808	Daniel Thornhill, PE Daniel.Thornhill@mbakerintl.com	225-218-2846
	635 Main Street, Studio 1 Baton Rouge, LA 70801	Kodi C. Guillory kguillory@sustainabledes.com	225-939-5368
	69090 Highway 190 E Service Rd, Suite 200 Covington, LA 70433	Kevin Pond kpond@teamcivicsolutions.com	504-432-9657

23. Location:

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.