ATLAS

PROPOSAL FOR ENGINEERING & RELATED SERVICES

I-10 AT LA 74

CONTRACT NO. 4400026027

STATE PROJECT NO. H.003771.2

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

SUBMITTED TO | **LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT**
CONSULTANT CONTRACT SERVICES
1201 CAPITOL ACCESS ROAD
BATON ROUGE, LA 70802

June 08, 2023

ATLAS
INVESTING IN LOUISIANA...
Locally Led and Nationally Supported

JUNE 8, 2023

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT
DOTDConsultantAds80@la.gov
CONSULTANT CONTRACT SERVICES
1201 CAPITOL ACCESS ROAD
BATON ROUGE, LA 70802

RE: Proposal for Engineering and Related Services - State Project Number: H.003771.2 – I-10 at LA 74

Project Manager with years of history working on LA 74's planning stage and in the corridor.

Extensive IJR and NEPA experience critical to a comprehensive I-10 corridor study that addresses all proposed interstate access changes with the LA 74 project and the adjacent LA 429 connector project.

Recognition of sensitive environmental resources in the project area: Superfund site, EJ communities; wetlands, and significant trees.

Dear Project Evaluation Team,

On behalf of the Atlas Technical Consultants (Atlas) Team, attached, please find one (1) electronic copy of the DOTD Form 24-102 in response to your Request for Proposals for Engineering and Related Services for the I-10 at LA 74 project.

Atlas knows the increased road traffic impacts on a community. We understand the desire to maintain and improve the quality of life, protect its natural resources and wetland areas, and preserve its local history. Our world-class team is enthusiastically committed to achieving your project's needs using the benefit of an exceptional local team of specialists. This includes the extensive resumes of local DBE firms: **Vectura Consulting Services, LLC** to conduct analyses on the latest alternatives using reliable traffic data; **Gulf South Research Corporation** to conduct technical studies for Cultural Resources and Wetlands in support of the NEPA process; and **The Lakvold Group, LLC** to research ROW impacts and prepare a Conceptual Stage Relocation Plan. By Investing in Louisiana with a locally led and nationally supported team, we will ultimately deliver an Interchange Justification Report (IJR) to analyze no-build and future conditions while being sensitive to environmental impacts and social justice initiatives in the area.

Company-wide, Atlas employs more than 3,600 talented specialists and offers a broad range of services from environmental and natural resources planning, protection, and restoration to structural bridge design, traffic analysis, roadway engineering, construction material testing and special inspection, geotechnical engineering, infrastructure design and modeling services, environmental compliance and permitting, as well as program, project, and construction management services.

Very Respectfully,

KARA MOREE, CFM
Atlas Technical Consultants, LLC
National Director - NEPA & Environmental Compliance
p: (225) 369.6587
e: kara.moree@oneatlas.com

JONATHAN CHARBONNET, PE
Atlas Technical Consultants, LLC
Louisiana Director of Operations
p: (504) 939.4545
e: jonathan.charbonnet@oneatlas.com

sections
1-11

DOTD FORM: 24-102

1. Contract Name as shown in the advertisement	I-10 AT LA 74, ROUTES: I-10 AND LA 74, ASCENSION PARISH
2. Contract Number(s) as shown in the advertisement	CONTRACT NO. 4400026027
3. State Project Number(s), if shown in the advertisement	STATE PROJECT NO. H.003771.2 (Federal Aid Project No. H003771)
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	ATLAS Atlas Technical Consultants, 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)	EF.0006606
6. Prime consultant mailing address	8440 Jefferson Hwy, Suite 400, Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8440 Jefferson Hwy, Suite 400, Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Kara Moree, CFM, *National Director - NEPA & Environmental Compliance* (225) 369-6587 | kara.moree@oneatlas.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Buddy Gratton, PE, *Senior Vice President* (678) 642-8455 | buddy.gratton@oneatlas.com
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	 Signature above shall be the same person listed in Section 9: 06/08/23 Date:
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	DBE Firm(s): — Firm(s)' %: Vectura Consulting Services, LLC — 30.25% Gulf South Research Corporation — 8.05% TOTAL DBE: — 38.30%

section 12

past performance evaluation discipline table

12. Past Performance Evaluation Discipline Table:

Past Performance Evaluation Discipline(s)	% Overall	Atlas	Vectura Consulting Services, LLC	Gulf South Research Corporation	The Lakvold Group, LLC	Totals
Traffic	35%	20%	80%	0%	0%	100%
Environmental	35%	70%	0%	23%	7%	100%
Road	15%	85%	15%	0%	0%	100%
Bridge	15%	100%	0%	0%	0%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percentage of Contract	**100%**	**59.25%**	**30.25%**	**8.05%**	**2.45%**	**100%**

section 13

firm size

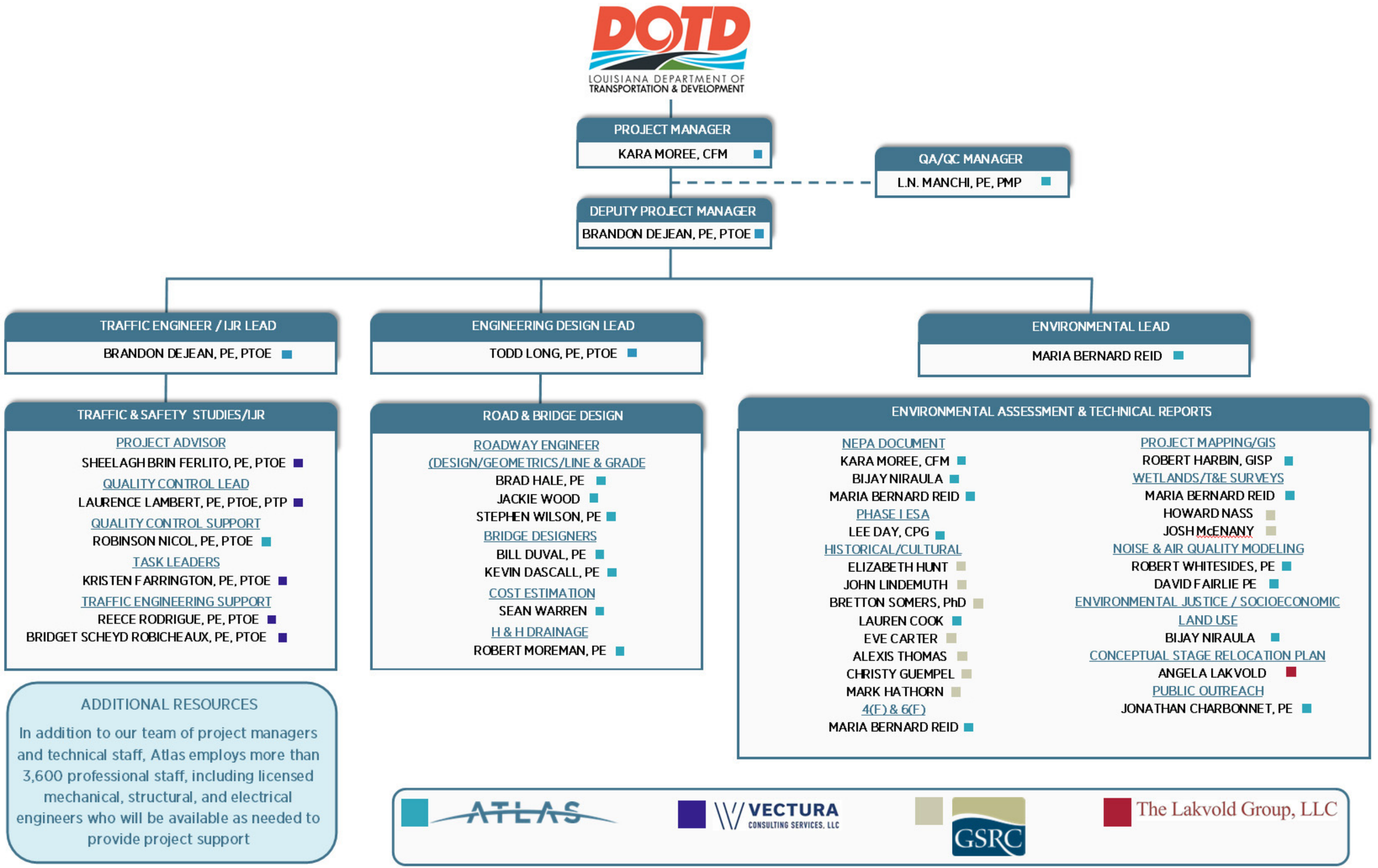
13. Firm Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification
ATLAS • The proposed Atlas team is currently working on Mississippi River Bridge (MRB) • Traffic data sharing from MRB to ultimately save the LA 74 project time and money	Principal	1	3
	Supervisor - Engineer	5	7
	Supervisor – Other	5	17
	Engineer	1	9
	Engineer - Other	2	150
	Engineer Intern	2	5
	Designer	1	27
	Environmental Manager	3	100
	Environmental Professional	4	500
	Archaeologist	1	4
	GIS Analyst	1	22
	Clerical	2	100
VECTURA CONSULTING SERVICES, LLC Subconsultant	Supervisor – Engineer	3	3
	Engineer	4	4
GSRC Subconsultant	Supervisor – Other	4	4
	Principal – Arch	2	3
	Archaeologist	1	1
	Historian	1	1
	GIS Analyst	2	2
	Administrative - Clerical	2	2
The Lakvold Group, LLC Subconsultant	Abstractor	1	1

section 14

organizational chart

14. Organizational Chart



PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

section 15

minimum personnel requirements

15. Minimum Personnel Requirements:

MPR No.	Personnel Being Used to Meet the MPR	Firm employed by	Type of License and Discipline Meeting MPR/ Certification & Number	State of License	License / Certification Expiration Date
1	Kara Moree, CFM	Atlas	NHI #142005		n/a
2	Kara Moree, CFM	Atlas	NHI #142005		n/a
3	Kara Moree, CFM	Atlas	NHI #142005		2008
4	Robert Whitesides, PE	Atlas	PE - Civil #29666	GA	12/31/2023
5	Lee Day, CPG	Atlas			
6	Maria Bernard Reid	Atlas	NHI #142005		
	Kara Moree, CFM	Atlas	NHI #142005		n/a
	Josh McEnany	Gulf South Research Corporation			
7	Maria Bernard Reid	Atlas	NHI #142005		
	Howard Nass	Gulf South Research Corporation			
8	Lauren Cook	Atlas			
	John Lindemuth	Gulf South Research Corporation			
	Elizabeth Hunt	Gulf South Research Corporation			
	Bretton Somers, Ph.D.	Gulf South Research Corporation			
	Mark Hathorn	Gulf South Research Corporation			
9	Alexis Thomas	Gulf South Research Corporation			
10	Angela Lemoine-Lakvold, MAI, SRA, R/W-AC	The Lakvold Group, LLC	G0575	LA	12/31/23
11	Todd Long, PE, PTOE	Atlas Technical Consultants, LLC	PE – Civil #43910 / PTOE #1030		3/31/24
12	Brandon DeJean, PE, PTOE	Atlas Technical Consultants, LLC	PE – Civil #37234 / PTOE #4721	LA	9/30/24
	Robinson Nicol, PE, PTOE	Atlas Technical Consultants, LLC	PE – Civil #44455 / PTOE #4070	LA	7/31/25
	Sheelagh Brin Ferlito, PE, PTOE	Vectura Consulting Services, LLC	PE – Civil #0025383 PTOE #932	LA	9/30/23
	Laurence Lambert, PE, PTOE, PTP	Vectura Consulting Services, LLC	PE – Civil #0029901 PTOE #1303	LA	3/31/24
	Kristen Farrington, PE, PTOE	Vectura Consulting Services, LLC	PE – Civil #0042785 PTOE #4863	LA	3/31/25
	Reece Rodrigue, PE, PTOE	Vectura Consulting Services, LLC	PE – Civil #0042074 PTOE #4508	LA	3/31/24
	Bridget Scheyd Robicheaux, PE, PTOE	Vectura Consulting Services, LLC	PE – Civil #0041272 PTOE #4824	LA	3/31/25

section 16

staff experience

16. Staff Experience:

Meets MPR #1, 2, 3, 6					
Firm employed by	ATLAS				
Name	Kara Moree, CFM		Years of relevant experience with this employer	2	
Title	National Director – NEPA & Environmental Compliance		Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization		BS / 2005 / Resource Biology and Biodiversity			
Active registration number / state / expiration date		Certified Floodplain Manager / National Certification / January 2025 | NEPA and Transportation Decision Making, NHI Course #142005 (2008) | LADOTD Traffic Engineering Process & Report – Modules 1 -3 (2018) Traffic Control Supervisor / LA / ATSSA (2015) | Traffic Control Technician / LA / ATSSA (2015 and 2022)			
Year registered	n/a	Discipline	n/a		
Contract role(s) / brief description of responsibilities		Ms. Moree will serve as Project Manager for this project. She is professionally competent in the preparation of environmental documents required for LA 74. Ms. Moree is a Certified Floodplain Manager with more than 17 years of environmental and project management experience, with a concentration on NEPA compliance, environmental documentation, permitting, stormwater, roadway, and drainage projects. Ms. Moree has a wide range of experience in transportation projects, including direct responsibility for environmental inventory, feasibility studies, NEPA documentation, community and stakeholder engagement, wetland delineations, permitting, and SWPPP preparation and inspections. Through previous employment with federal and local governments as well as with the private sector, she has provided technical assistance to various federal, state, and local agencies regarding environmental laws, regulations, and executive orders and has done extensive public outreach activities. In addition to project management responsibilities, Ms. Moree has served as the Environmental and Natural Resource Manager at previous firms, where she oversaw all aspects of environmental services, including Environmental Assessments (EA) and Environmental Impact Statements (EIS). Ms. Moree is intimately familiar with the environmental processes required for roadway design, ROW acquisition, and construction on state and local routes.			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(07/08– 10/09)	**S.P. No. 700-03-0001: Stage 0 Feasibility Study and Environmental Inventory for a New Interchange at I-10 and LA Hwy 74, LADOTD –** Ms. Moree was Environmental Professional while employed with Volkert. Study was to add an interchange in Ascension. Responsibilities included identifying: potential "show stopping" environmental constraints and wetlands/avoidance; stakeholder meetings; GIS mapping; ensuring NEPA compliance.
(08/19 – 08/20)	**S.P. No. H.012311.1: LA 429 at I-10 Connector (LA 30/LA 73) Stage 0 Study, Gonzales, LA, LADOTD** – Ms. Moree was Project Manager and oversaw safety analysis of both corridors and interchanges and coordinated with traffic engineering consultant in to develop alternatives, prepare schematic design of alternatives, prepare cost analysis for 5 alternatives, and evaluate environmental and right-of-way impacts.
(08/20 – Present)	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA** – Ms. Moree serves as overall Project Manager for an Enhanced Planning Study for new bridge crossing the Mississippi River to alleviate traffic congestion in the Capital Region. The 5-parish Baton Rouge Metro Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 on the west side of Mississippi River and to LA 30 (and widening

	of LA 30) on the east side of Mississippi River. New crossing funding plan will be in part through collection of tolls. Three alternatives have been identified from **Enhanced Planning Study** and will be analyzed further in Part 2, which consists of preparing NEPA document to identify preferred alternative.
(01/21 – Present)	**20-CP-HC-0014: MOVEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA** – Ms. Moree serves as Environmental and Project Manager for this project that is part of the MOVEBR Program, designated as a New Capacity Improvement Project. Ms. Moree is overseeing Phase 1 – Design Study and Phase II – Final Design of a new **connector road** extending approximately two miles from Greenwell Springs/Sherwood Forest to its connection to Joor/Mickens Road. The Joor roadway is identified as part of the **road transfer program** and is a future Parish route. Greenwell Springs Road will remain a DOTD roadway. The project includes a new two-lane roadway with shoulders and open ditch drainage. The work also includes **enhancing traffic flow** within the intersection limits.
(05/14 – 12/16)	**S.P. No. H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44), Ascension Parish, LADOTD** – Ms. Moree served as Environmental Project Manager responsible for performing the **Environmental Inventory** to ensure compliance with NEPA and all other federal, state, and local environmental rules and regulations for evaluating alternatives to improve the mobility of the corridor. Additional duties included identifying wetlands/preparing mitigation cost tables, stakeholder meetings, and creating Environmental Avoidance mapping using GIS.
(08/18 – 08/20)	**S.P. No. H.009153: US 84 Improvements Environmental Assessment, Winnfield, LA, LADOTD** – Ms. Moree served as Project Manager overseeing all aspects of **NEPA compliance** for a supplemental agreement for this EA in support of the traffic analysis required when BH performed environmental assessments on the west and east side of Winnfield, including line and grade studies for several alternatives, environmental impacts, and traffic and bridge studies. **Public outreach,** stakeholders, and agencies meetings were held by BH in order to obtain comments on the proposed build alternatives. Nine build alternatives were developed with roundabouts, access management, and widening.
(07/14 – 01/17) Completed 2019	**S.P. No. H.005734: LADOTD Stage 1 Environmental Assessment for LA 447 Corridor Study, Baton Rouge, LA** – While with a previous employer, Ms. Moree served as the Project Manager for this 10-mile mobility and safety improvement project for LADOTD in Livingston Parish, LA. Ms. Moree assisted in providing environmental studies, **NEPA documentation/EA**, public, agency and stakeholder meeting coordination. Ms. Moree performed wetland delineations and oversaw all aspects of the environmental portion of the project. Ms. Moree organized and conducted the kick-off meeting, scoping meeting, stakeholder meeting, public meeting, assisted with data collection, schedule preparation, project work plan development and other project initiation activities. She oversaw the Phase 1 ESA, noise and air analyses and other environmental tasks. Since her departure in January 2017, the project received a supplement to revise alternatives and had an expected completion date of mid- 2019.
(05/13 – 08/20)	**S.P. No. 700-99-0302/H.005257: LADOTD Environmental Impact Statement (EIS) for Houma-Thibodaux to I-10 Connection – North-South Corridor/ Hurricane Evacuation, Statewide** – Ms. Moree was the firm's lead as a subconsultant for this project with a previous employer. She assisted with all environmental studies and **NEPA documentation** to address alternative courses of action to develop north-south hurricane evacuation route and suitable **mitigation plans** for **alternatives**, including preferred alternative. She performed wetland delineations and Phase I ESAs. She assisted with various sections of the EIS such as noise, vegetation and habitat, agriculture and farmland, threatened/endangered species, essential fish habitat, water quality, wild and scenic rivers, wetlands, and permits and mitigation.
(04/08 – 10/09)	**S.P. No. 700-96-0007: Stage 0 Feasibility Study and Environmental Inventory for Additional Capacity of I-10 from Siegen Lane to Sorrento, LADOTD –** Ms. Moree was an Environmental Professional for 19-mile interstate widening study. Responsibilities included identifying potential "show stopping" environmental constraints, identifying wetlands and avoidance, stakeholder/public meetings, GIS mapping, ensuring NEPA compliance.
(09/10 – 03/11)	**S.P. No. 450-10-0159: I-10 Widening Design-Build Siegen Ln. (LA Hwy 3246) to Highland Rd. (LA Hwy 42), LADOTD –** Ms. Moree was an Environmental Professional for design-build interstate widening project that included widening I-10 from 2 lanes in each direction to 3 lanes in each direction. Replacement of the existing bridge over the KCS Railroad was also included. Ms. Moree's project responsibilities included all aspects of the Environmental permitting and compliance, delineation of wetlands, preparation of the Stormwater Pollution Prevention Plan (SWPPP) and performing the Louisiana Pollutant Discharge Elimination System (LPDES) Stormwater Inspections and report generation.

Meets MPR #12			
Firm employed by	ATLAS		
Name	Brandon DeJean, PE, PTOE	Years of relevant experience with this employer	<1
Title	Transportation Engineer	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization		BS / 2007 / Civil Engineering	
Active registration number / state / expiration date		PE #37234 / Louisiana / 09-30-2024 | PTOE #4721	
Year registered	2012	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. DeJean will serve as Deputy Project Manager / IJR Lead. He has over 15 years of experience working for consultants and state government including over 10 years of progressive experience with LADOTD's Traffic Engineering Division. He provided direction and support through planning, study, modeling, design, and review of geometric features (intersections and interchanges), traffic control devices, and changes in access components of projects. He was instrumental in development and implementation of LADOTD policy and procedures for preparation of Traffic Engineering Reports and Interchange Justification Reports (IJR). He has a comprehensive knowledge of the Highway Capacity Manual, Manual on Uniform Traffic Control Devices, LADOTD EDSMs, standard plans & specifications, and traffic engineering policy. He provided expert assistance to LADOTD staff and consultants with scoping, performing, and reviewing IJRs.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(06/13– 07/22)	**H.003931 I-10 Calcasieu River Bridge, Calcasieu Parish, LA** – Task Lead for **IJR prepared in conjunction with the NEPA process to satisfy FHWA's 8 Interstate Access Policy Points** and LADOTD EDSMs & guidelines. Project includes replacement of the I-10 Calcasieu River Bridge, I-10 widening from I-210 to I-210, and interchanges modifications. Study area included nine miles of I-10 corridor from PPG Dr to US 171 as well as corridors and interchanges of PPG Dr, Sampson St, Ryan St, and Enterprise Blvd. Tasks **included data collection, operational analysis of freeway facilities and arterials using VISSIM and Highway Capacity Software (HCS7), critical geometry, safety analysis, and final report** to discuss findings & recommendations. Key highlights as IAJR Task Lead throughout the project included: • **Kept LADOTD Project Manager informed throughout NEPA process** on IJR-related tasks along project schedule's critical path. • Directed project team during data collection and **ensured traffic data included critical movements and areas of known congestion** to ensure subsequent VISSIM & HCS7 models appropriately replicated field conditions. • Supervised initial VISSIM model development and, upon project's transition to HCM based analysis, **developed HCS7 multi-period analysis freeway facility model**s for use on subsequent no build and build alternatives. • During Tier 2 Final Alternative Analysis, **led design workshops with project team's IJR and line & grade personnel** to ensure all build alternatives effectively incorporated operational analysis results in critical geometry for weaving segments, merge/diverge areas, and ramp terminal intersections. • For Tier 3 Analysis, provided direction to traffic engineering personnel and **reviewed interstate guide sign layouts to confirm preferred alternative's feasibility** based on interstate guide sign locations and messages per MUTCD.
(05/15 – 07/21)	**H.003915 I-49 Inner City Connector, Caddo Parish, LA** – Task Lead for **IJRs prepared in conjunction with the NEPA process to satisfy FHWA's 8 Interstate Access Policy Points** and LADOTD EDSMs & guidelines. Project includes connection of I-49 from I-220 to I-20, modification of the I-220 & I-20 interchanges, and new interchanges at Hearne Ave and Ford St. Study area included 7.5 miles of I-49 from LA 3194 to Hollywood Ave, 3.5 miles of I-20 from US 79 to Diamond Jacks Blvd, three miles of I-220 from LA 173 to US 171 and a total of 14 interchanges. Tasks

	included initial & final data collection, HCS operational analysis of freeway facilities & arterials, safety analysis and final report to present results and recommendations.
(03/14 – 04/14)	**H.003370 I-220 at I-20 Interchange Improvements & Barksdale Air Force Base Access, Bossier Parish, LA** – Task Lead for **IJR prepared to satisfy FHWA's 8 Interstate Access Policy Points**. Project included modification of I-20 at I-220 interchange and extension of I- 220 to a new base entry control facility. Study area included I-20 and interchanges as well arterial corridors connected to multiple existing base entry control facilities. Tasks **included data collection, HCS/VISTRO operational analysis of freeway facilities and arterials, special analysis for base entry facility operations, safety analysis, Tier 1 Analysis, Final Alternative Analysis, and final report** to present results and recommendations,
(05/13 – 05/15)	**H.003298 Tarbutton Road Interchange and I-20 Frontage Road, Lincoln Parish, LA** – Task Lead for IJR prepared to satisfy FHWA's 8 Interstate Access Policy Points and LADOTD EDSMs & guidelines. Study area included the I-20 interchanges at Tarbutton Road, LA 149, and LA 544. Tasks included initial & final traffic data, HCS operational analysis of freeway facilities and arterials, safety analysis, and final report to discuss findings and recommendations.
(05/12 – 04/13)	**H.010151 I-210 Interchange Justification Report – Cove Lane to Nelson Road, Calcasieu Parish, LA** –Task Lead for **IJR prepared to satisfy FHWA's 8 Interstate Access Policy Points** and LADOTD EDSMs & guidelines. Study area included new access for I-210 at Cove Lane and modification of the Nelson Road interchange as well as associated arterial corridors and intersections. Tasks **included data collection, HCS operational analysis of freeway facilities and arterials, safety analysis, and final report** to present results and recommendations.
(04/21 – 06/21)	**H.09620 I-10 LA 108 to I-210 Auxiliary Lanes, Calcasieu Parish, LA** – Task lead for **IJR prepared to satisfy FHWA's 8 Interstate Access Policy Points** and LADOTD EDSMs & guidelines for I-10 between LA 108 and I-210 due widening. Modification included converting the isolated merge (on ramp) and diverge (off ramp) freeway segments to connected freeway weaving segments using auxiliary lanes. Tasks **included HCS7 operational analysis of freeway facilities, safety analysis and final report** to present results and recommendations
(08/12 – 04/13)	**S.P. 455-09-007 & 455-09-08 I-49 North Signage (US 71 to Arkansas State Line), Caddo Parish, LA** - Prepared **final signing and striping plans** for 12 miles of I-49 and the US 71, LA 2, Myra Myrtis Rd, and LA 168 interchanges. Design included **interstate guide sign sizing/placement and striping layout**, all in compliance with the MUTCD.
(01/12-10/12)	**H.003363 – I-220 Phase 1 Sign Upgrades – I-20 to LA 538 Bossier Parish, LA** - Prepared **final signing and striping plans** for 13 miles of I-220 and the I-220, Us 79, Shed Rd, Swan Lake Rd, interchanges. Design **included interstate guide sign sizing/placement and striping layout**, all in compliance with the MUTCD.
(08/20 -03/21)	**H.010753 US 90 at I-310, St Charles Parish, LA** –Prepared of a **traffic engineering study to evaluate** alternatives that help alleviate congestion at the **I-310 northbound and southbound ramp terminal intersections** at US 90 in St Charles Parish, LA. The traffic study was prepared to satisfy LADOTD EDSMs and guidelines**. Tasks included data collection, operational analysis of arterials using Highway Capacity Software and final report** to present results and recommendations.
(03/16-03/18)	**H.004367 – LA 3139 Earhart Expressway Extension to US 61, Jefferson Parish, LA** – Re- evaluation of extension of Earhart Expressway from its existing terminus at Dickory Ave with a proposed connection to US 61 as included in a SEIS. The connector serves as eastern portion of a larger East-West Corridor Project to widen US 61 from 4 lanes to 6 lanes through Jefferson and St Charles Parishes to I-310. **Tasks included existing data and plans review, traffic data collection, traffic demand modeling, forecast traffic analysis, conceptual development of 3 alternatives, and preparation of a traffic engineering stud**y. Alternative concepts considered transition from controlled-access Earhart Expressway to US 61 by applying access management strategies to corridor from Hickory Ave/David Dr to Roosevelt Ave.
(07/22 – Current)	**Clayton Interchange Feasibility Study: Clayton County, GA** – Study to determine the feasibility of new Conley Rd interchange at I-285. Conley Rd interstate access would connect I-285 to Hartsfield-Jackson Atlanta Airport's International Terminal. Study area includes 3.5 miles of I-285 mainline, existing South Loop Rd, I-75, US 41, SR 54 interchanges & arterials Performed **HCS freeway segment analysis** and Synchro signalized intersection analysis, prepared feasibility study to describe methodology, **existing and no-build conditions with MOE results**, proposed alternative descriptions, and **comparison of alternatives' MOEs to the no-build condition**.

DOTD FORM: 24-102

Firm employed by	ATLAS		
Name	L.N. Manchi, PE, PMP	Years of relevant experience with this employer	22
Title	National Director, Program and Quality Mgt.	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	MS / 1991 / Civil Engineering BS / 1988 / Civil Engineering		
Active registration number / state / expiration date	PE #1879 / California / 9/30/2023 | PMP #2269879 / Nationwide / No Exp Date		
Year registered	1997	Discipline	Traffic Engineer
Contract role(s) / brief description of responsibilities	Mr. Manchi will serve as QA/QC Manager on the LA 74 project. Mr. Manchi has 34 years of experience in environmental planning, traffic engineering, transportation planning, and transit planning projects. Among his responsibilities are managing Atlas's environmental services and transportation planning groups. This includes the work of Atlas transportation planners, traffic engineers, ecologists, archaeologists, historians, air and noise specialists, and NEPA specialists in producing environmental documents for federally funded projects. He has also worked on a variety of transportation projects, including traffic impact studies, transportation and transit planning studies, and transportation and circulation elements for inclusion in EIRs and EAs; corridor studies, alternatives analysis, major investment studies (MIS), transportation improvement and mitigation program (TIMP)-related studies, general/master/specific plan studies, neighborhood traffic studies, parking studies, and circulation/access studies.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(11/19 – Present)	**P.I. No. 0012698 I-85 at SR 324 Interchange Justification Report (IJR), Gwinnett County, GA –** This **Interchange Justification Report (IJR)** provided justification and documentation of the need for additional access to Interstate 85 at SR 324 in Gwinnett County, Georgia. The proposed project consisted of constructing a compressed **diamond interchange** and **relocating** Morgan Road to accommodate the proposed interchange ramps. Mr. Manchi, Environmental Services Manager, led this effort and ensured that the GDOT Project Manager, OES staff, GCDOT staff, and **FHWA** staff worked toward the common goal of consistency and clear demarcation of mitigation responsibilities. A detailed disposition letter summarizing the responses for each of **FHWA's comments** was provided with the revised document seeking approval. Mr. Manchi and his staff's working relationship with agencies allowed us to work through the **traffic and environmental** hurdles before the let authorization for this project.
(10/15 – 05/18)	**GDOT P.I. No. 0007526 – State Route 400 at McGinnis Ferry Road Interchange Justification Report (IJR), Fulton and Forsyth Counties, EA/FONSI** – Mr. Manchi managed the environmental assessment and all the special studies (including Ecological studies with threatened and endangered species habitat assessment and reports) for the referenced project in consultation with GDOT OES and FHWA. The project consisted of constructing a new location **full-diamond interchange** on State Route (S.R.) 400 at McGinnis Ferry Road. During the preparation of the concept report, various interchange alternatives were assessed. Mr. Manchi managed the development of **VISSIM** and CORSIM models to assess the best-performing **traffic alternative** before finalizing the preferred alternative. Also, he managed the responses to all the citizen comments from the public hearing open house and during the comment period. He submitted to GDOT for review, comment, and approval.
(08/20 – Present)	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA** – Mr. Manchi provides high-level environmental planning, traffic engineering, transportation planning, and transit planning for an **Enhanced Planning Study** for the new bridge crossing of the Mississippi River for the purpose of **alleviating traffic congestion** in the Capital Region. The five- parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of, LA 30) on the east side of the Mississippi River. After a handful of **alternatives** are identified after the **Enhanced Planning Study,** Phase 2 of the project will consist of preparing the **NEPA document** to identify a preferred alternative. Three

	alternatives have been identified from the **Enhanced Planning Study** and will be analyzed further in Part 2 of the project, which consists of preparing the NEPA document to identify a preferred alternative.
(07/22 – Present)	**Clayton Interchange Feasibility Study: Conley I-285, Clayton County, GA** – Mr. Manchi served as Project Manager for a **study to determine the feasibility** of a new Conley Rd interchange at I-285. New Conley Rd interstate access would provide a direct connection from I-285 to Hartsfield-Jackson Atlanta Airport's International Terminal. The study area includes approximately 3.5 miles of I-285, the I-285 interchanges with South Loop Road, I-75, US 41, SR 54, and the associated arterial **corridors** with signalized intersections. Mr. Manchi prepared a technical document summarizing the goals of the project, methodology, existing conditions, and the technical analysis. The feasibility study and the final deliverables complied with all applicable State and Federal regulations and guidelines and serve as a natural precursor to an eventual **Interchange Justification Report (IJR),** and Plan preparation as the project advances to the future phases.
(01/21 – Present)	**20-CP-HC-0014: MOVEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA** – Mr. Manchi is performing quality assurance and quality control for this project that is part of the MOVEBR Program, designated as a New Capacity Improvement Project. The Joor roadway is identified as part of the road transfer program and is a future PARISH route. Greenwell Springs road will remain a DOTD roadway. The project includes a new two-lane roadway with shoulders and open ditch drainage. The Sherwood Forest Extension is a greenfield project connecting Sherwood Forest at Greenwell Springs to Joor Road at Mickens. Work includes **enhancing traffic flow** within intersection limits.
(09/18 – 08/21)	**PI #522570: Georgia Department of Transportation (GDOT), US 84 Connector EA, Liberty County, GA** – Mr. Manchi was project manager for 2.8-mile new location roadway proposed to **relieve truck traffic congestion** along existing SR 119. He oversaw successful completion of all technical studies, Draft EA, and Final EA/FONSI. He managed virtual public outreach activities, especially for the **Environmental Justice (EJ)** population.
(01/15 – Present)	**GDOT Effingham Parkway, Effingham & Chatham Counties, GA** – Mr. Manchi served as the project manager for the overall design, environmental, geotechnical, and bridge-related engineering work for this six-mile-long new location project in Effingham and Chatham Counties. Mr. Manchi and his team coordinated with the US Army Corps of Engineers (USACE) on the Practical Alternatives Review (PAR), Individual Permit (IP) application process, and the Restrictive Covenant Amendment application process. This project had a conservative easement area through which the **alignment had to be designed carefully with minimal impacts**.
(11/21 – 11/22)	**Hinesville Area Metropolitan Planning Organization: EG Miles Parkway Corridor Study, Hinesville, GA –** Mr. Manchi served as a Quality Assurance/Quality Control Engineer on this study that focused on **capacity** and safety improvements based on findings in a previous Road Safety Audit (RSA) performed by Georgia Department of Transportation (GDOT) a few years prior. The scope included **data collection**, review of existing plans, traffic modeling, incorporation of GDOT RSA recommendations, schematic plans, signal warrants screening, ICE analysis, cost estimation, and detailed reporting. A multi-lane roundabout was included at one location as an **additional analysis**.
(03/22 – Present)	**GDOT Engineering Design Review On-Call Services, Statewide, GA** – Mr. Manchi is QA/QC Engineer for Field Plan Reviews on behalf of GDOT and reviews engineering plans for quality. The Atlas team has performed over 400 project reviews, worth more than $4.5B in construction. Reviews ensure conformance to AASHTO, GDOT Design Policy Manual, GDOT standards, details, specifications and special provisions, Plan Development Process (PDP) and Plan Presentation Guide (PPG). Plan conformance to concept report, value engineering implementation and green sheet is also reviewed. Project types include traffic signal upgrades **widenings, interchanges**, bridge replacements, multi-purpose trails.
(11/08 – 06/10)	**Jackson County Comprehensive Transportation Plan, Jackson County, GA** – Mr. Manchi served as the principal-in-charge for the Jackson County Comprehensive Transportation Plan (CTP). Oversaw Atlas staff effort during the preparation of the Comprehensive Transportation Plan (2008–2028) for Jackson County by studying its existing roadway network and **identifying current and future issues**, problems, and deficiencies, resulting in recommendations of various future implementation projects or programs. He ensured that this long-range comprehensive transportation plan facilitated integrating land use and transportation decision-making to identify existing and future roadway capacity and operational problems, to formulate transportation goals, objectives and policies that guide future growth, and to prepare a long-range list of capital projects to resolve present and future needs in a **financially feasible manner**.

DOTD FORM: 24-102

Meets MPR #11			
Firm employed by	ATLAS		
Name	Todd I. Long, PE, PTOE	Years of relevant experience with this employer	4
Title	Division Manager	Years of relevant experience with other employer(s)	32

Degree(s) / Years / Specialization	MS / 1990 / Civil Engineering BS / 1989 / Civil Engineering
Active registration number / state / expiration date	PE #43910/ Louisiana / 3-31-2024 | PTOE #1030
Year registered: 2019 — Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Mr. Long will serve as Engineering Design Lead and has over five years of experience in roadway design. Mr. Long has 36 years of experience in government services with focused expertise in planning, engineering, operations, and administration for large governmental organizations. He has served in leadership roles for most of his career. Todd currently manages road design, structure design, traffic and transportation engineering, survey, civil/site design, and business development within Atlas. Mr. Long has served in many positions in his career that are traffic engineering related. He served as District Traffic Engineer and District Engineer. Mr. Long also served as District Preconstruction Engineer and later as the Director of Preconstruction. As Deputy Commissioner, he oversaw all of the District operations.

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract, *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(03/2020 – Ongoing)	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA** – Mr. Long serves as QA/QC for the new bridge crossing of the Mississippi River to **alleviate traffic congestion** in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 on the west side of the Mississippi River and to LA 30 (and widening of LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. Three alternatives have been identified from the **Enhanced Planning Study** and will be analyzed further in Part 2 of the project, which consists of preparing the NEPA document to identify a preferred alternative.
(06/18 – 08/21)	**Georgia Department of Transportation (GDOT) PI #522570, US 84 Connector EA, Liberty County, GA** – Mr. Long served as Principal-in-Charge for this 2.8-mile new location roadway proposed to relieve truck traffic congestion along the existing SR 119, in which design modifications were required to avoid **impacts** to a **National Register-eligible historic cemetery**. A Memorandum of Agreement (MOA) was executed among stakeholders to mitigate the visual effects on the cemetery. The project included **environmental justice** initiatives around the project area. Mr. Long was personally involved with funding investigations and application preparation early in the project's life while at GDOT and before his employment at Atlas. He reviewed concept development and was instrumental in a multitude of survey and plan changes.
(05/18 – 12/20)	**GDOT P.I. No. 0007526 - GA 400 at McGinnis Ferry Rd, Fulton, and Forsyth Counties, EA/FONSI** – The project is to widen 1.534 miles and construct improvements, including a new **full-diamond interchange**, bridge construction, and approaches over State Route (S.R.) 400 at McGinnis Ferry Road. The full diamond Interchange will allow traffic to cross to the opposite side on both sides of the bridge, allowing free flowing left turns onto GA 400. This will eliminate traffic back-ups in the left-turn lanes at the signals, accommodating the high left-turn volume but with

	fewer lanes. Mr. Long was personally involved with early project development in his role as Director of Preconstruction and Planning while at GDOT. He provided executive project design performance oversight and management for several phases.
(11/19 – Ongoing)	**P.I. No. 0012698 I-85 at SR 324 Interchange Justification Report (IJR), Gwinnett County, GA** – This Interchange Justification Report (IJR) provided justification and documentation of the need for additional access to Interstate 85 at SR 324 in Gwinnett County, Georgia. This proposed project consisted of constructing a compressed diamond interchange and relocating Morgan Road to accommodate the proposed interchange ramps. Mr. Long was personally involved with early project development in his role as Director of Preconstruction and Planning while at GDOT. He provided executive project design performance oversight and management for several phases.
(07/22 – Ongoing)	**Clayton Interchange Feasibility Study: Conley I-285, Clayton County, GA** – Mr. Long is serving as Principal-in-Charge for this traffic study to determine the feasibility of the new Conley Rd interchange at I-285. New Conley Rd interstate access would provide a direct connection from I-285 to Hartsfield-Jackson Atlanta Airport's International Terminal. The study area includes approximately 3.5 miles of I-285, the I-285 interchanges with South Loop Road, I-75, US 41, SR 54, and the associated arterial corridors with signalized intersections.
(10/15 – Ongoing)	**Effingham County/GDOT: Effingham Parkway, Effingham County, GA -** Mr. Long is serving as Principal-in-Charge on this new location corridor, Effingham Parkway. The Parkway intended to facilitate regional travel through central Effingham County. It is also intended to relieve a high volume of traffic on SR 21. The proposed project would consist of constructing a two-lane new location roadway from SR 30 to Blue Jay Road. The project would begin at SR 30 approximately 1.5 miles west of SR 21 and be located across from Chatham County's proposed Benton Boulevard Extension project. The end of the project would terminate at Blue Jay Road, approximately 3.2 miles west of SR 21. The intersection of Effingham Parkway at Blue Jay Road would be realigned to have Effingham Parkway tie into the east side of Blue Jay Road, and the west side of Blue Jay Road would form a T-intersection with Effingham Parkway. The total length of the project is approximately 6.4 miles.
(07/2018 – Ongoing)	**Various Traffic Studies, Forsyth County, GA** – Mr. Long conducted various Traffic Studies throughout Forsyth County, including two traffic calming studies on heavily local routes, YIELD Sign Study, and countless intersection and speed studies.
(07/2018 – Ongoing)	**Various Traffic Projects Statewide, GA** - Mr. Long oversees all traffic engineering activities in the Georgia office. He leads and oversees traffic studies, signal warrant analysis, signal timing and design, traffic simulation modeling, and planning studies. Clients include the Cities of South Fulton and Fairburn and Counties of Forsyth, Rockdale, Newton, Liberty, and Bryan.
(01/2017 – Ongoing)	**Georgia Institute of Technology Professor of Practice, Atlanta, GA -** Mr. Long has taught CE6605 Transportation Administration and Policy as an Adjunct Professor during the Spring Semester for the past five years. He taught nearly 100 graduate students in this 3-hour course over this period. As part of the class, Todd leads a class project that includes a nearby intersection improvement project. Mr. Long shows the example, and students must look at all aspects of the project, including public input, politics, crash data, warrant analysis, and other factors that will shape the ultimate design solution.
(06/08 – 08/09)	**Georgia Regional Transportation Authority, Atlanta, GA -** Mr. Long served as Chief Engineer and managed the construction and operations of a network of Park/Ride lots for the Xpress Bus System in Metro Atlanta. Served on TIME Task Force and managed the TRIP Program (Towing and Recovery Incentive Program). Todd also assisted DOT in several traffic operational projects in and around bus centers. This included developing new signal timing plans.
(08/96 – 09/99)	**Georgia Department of Transportation (GDOT) Traffic Engineer, GA** – Mr. Long served as District 1 Traffic Engineer and then District Engineer for northeast Georgia, where he oversaw operations of traffic signals, studies, traffic calming, and safety throughout the District. Mr. Long oversaw all traffic analyses for 21 counties of District 1. This included managing several large signal retiming projects. The largest was for 120 traffic signals in Gwinnett County. Mr. Long also permitted over 50 new traffic signals will serving in this position. He was hands-on and responsible for the design and operations of over 500 signals in the District at that time.

Meets MPR #12

Firm employed by	VECTURA CONSULTING SERVICES, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of relevant experience with this employer	7
Title	Supervisor	Years of relevant experience with other employer(s)	25
Degree(s) / Years / Specialization		BS / 1988 / Civil Engineering	
Active registration number / state / expiration date		PE #25383 / Louisiana / 9-30-2023 | PTOE #932	
Year registered	1993	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Project Advisor of Traffic and Safety Studies / IJR	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(07/19 – current)	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP, Belle Chasse, LA** – Ms. Ferlito is the Project Manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and Engineers Rd. She based her traffic signal plans and timings on design year volumes developed using the New Orleans Regional Planning Commission Travel Demand Model growth rates. This project is the first-ever Public-Private-Partnership performed by Louisiana DOTD.
(04/18 – 12/21)	**H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish** – Ms. Ferlito reviewed 60% of preliminary signing and striping plans and developed documented comments based on DOTD Road Design Manual, DOTD Standard Details, and MUTCD. She was also the project manager for the design of temporary traffic signal plans implemented during the roundabout construction at the intersection of US 171 at Boone Street in Leesville, LA. She coordinated access management issues using aerials, aged traffic volumes, and Synchro.
(09/20 – 12/21)	**H.010960.5 LA 30 Roundabouts at Tanger I-10, Ascension Parish** – Ms. Ferlito was the Project Manager for the design of temporary traffic signal plans implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involved replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each construction phase to maintain progression along LA 30.
(07/18 – 04/19)	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA** - Ms. Ferlito developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines, followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses, and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction costs. She assisted Parish with DOTD Permit Request for Intersection Control Devices on a State Right of Way.
(09/17 – 04/18)	**US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design, Slidell, LA** – Ms. Ferlito developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. She assisted with vehicle and pedestrian data collection, analyzed three-year intersection crash data, and developed signal timing for pedestrians to cross the street.
(11/17-07/18)	**H.972274 Phase 2 Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA) -** Ms. Ferlito tested the updated travel demand model and evaluated its usefulness for the New Orleans Regional Planning Commission (RPC) and traffic engineers / planners in the region who were performing corridor studies or traffic analyses. She submitted a model run request related to an actual or mocked up traffic

	analysis project. Ms. Ferlito reviewed the model outputs for reasonableness and / or compared them to observed counts. Ms. Ferlito provided feedback to RPC regarding the process and the results. She worked collaboratively and iteratively with the client to revise the request and / or the model inputs to achieve reasonable results.
(09/16-04/17)	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study (St. Tammany Parish, LA**) - Ms. Ferlito was the project manager of a formal DOTD traffic study for the new alignment of LA 3241 to obtain both existing and projected future traffic variables per standard operating procedures typically performed in these types of analyses. The traffic study included alternative analyses to improve the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. Specific access management features examined included intersection improvements, median openings, U-turns, spacing and type of openings, and signalization of intersections and roundabouts. Ms. Ferlito developed the safety analyses report for the project
(06/16-09/17)	**H.004490 Stage 0 Roundabout Studies (Lafayette Parish, LA)** - Ms. Ferlito developed sections of a Stage 0 Feasibility Study for roundabouts that conformed to DOTD EDSMs and Traffic Engineering Manual Section 20.2 at ten intersections in the Lafayette area. Brin and Laurence collected 7-day, 24-hour counts w/ classification, turning movement counts for AM and PM peak periods, and speed data for mainlines. She provided a QC review of the Sidra analyses, developed traffic signal timing for three intersections for Years 2019 and 2039, AM & PM peak hours, and developed a crash analysis as defined in Section 20.2 of TEM. CMF factors were identified for the preferred alternative to predict the number of crashes that could be eliminated. Brin provided a QC review of the final draft.
(08/12-05/13)	**H.009998 LA 935 Safety / Stage 0 Study (Ascension Parish, LA)** – Ms. Ferlito developed the safety analyses report for the Stage 0 Study. She coordinated and collected existing traffic data using Jamar equipment. She used HCS and Interactive Highway Safety Design Model (IHSDM) Software for the analyses. Ms. Ferlito developed MicroStation drawings with scaled aerials to show crash diagram locations and proposed alternate layouts. Histograms developed in Excel were used to compare various crash conditions with statewide averages. Crash records for three years were obtained from crash1 database.
(02/08 – 04/16)	**CE&I for EBR Traffic Signal Systems Phase IV and Phase VA Construction SPN 013-05-0043 and H.001609.6, Baton Rouge, LA** – Ms. Ferlito was the project Resident Engineer for the construction of 66 traffic signals in Baton Rouge. She maintained records of the contractor's daily operations and recorded significant events that affected construction progress. Ms. Ferlito coordinated all utility issues, shop drawing submittal review, schedule review, monthly progress meetings, daily installed quantities, concrete sampling for DOTD materials lab, change orders, and monthly contractor pay estimates. She also coordinated with the DOTD ITS division for fiber splicing into interstate fiber backbone and ATM / EOC building. Daily logs, quantities, change orders, and pay estimates were recorded in DOTD Site Manager.
(04/14 – 12/14)	**H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project, Baton Rouge, LA** – As the Project Engineer, Ms. Ferlito designed three signalized intersections as part of a road widening project per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimates. She also performed tasks to develop the striping plans and sequence of construction plans, including temporary signal equipment placement due to lane shifts during construction.

Meets MPR #12				
Firm employed by	VECTURA CONSULTING SERVICES, LLC			
Name	Laurence Lambert, PE, PTOE, PTP		Years of relevant experience with this employer	7
Title	Supervisor		Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization	BS / 1997 / Civil Engineering MS / 2006 / Civil Engineering (transportation focus) MBA / 2010			
Active registration number / state / expiration date	PE #29901 / Louisiana / 3-31-2024 | PTOE #1303			
Year registered	2002	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities	Quality Control Lead of Traffic and Safety Studies / IJR			

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(07-16-01/17)	**FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users (Norfolk, VA) -** At the request of the FHWA division office for Virginia, Mr. Lambert was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, changing an interchange, and implementing a DLT. Vectura reviewed and commented on the intersection geometry, pavement markings, and signage. The findings were summarized in a technical memorandum as well as "red line" comments were scanned and submitted to the FHWA Virginia Division office for their use.
(02/14-06/14)	**I-10 / Essen Lane Interchange Modification Request (IMR) Study (Stage 0) -** Mr. Lambert conducted a Stage 0 traffic study as part of an IMR analyzing a Diverging Diamond Interchange (DDI) at I-10 and Essen Lane, between College Drive and Bluebonnet Boulevard. The study addressed the need for the interchange based on current and future traffic volumes, analyzed the interchange to determine lane geometry and level of service, and analyzed adjacent intersections to determine the impact of the additional interchange both before and after. He performed all HCS analysis as well as developed a micro-simulation model in VISSIM.
(03/10-11/11)	**S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector (Shreveport, LA) -** This 3.5-mile route to connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Mr. Lambert was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both IMRs and IJRs.
(11/09-08/10)	**I-12 at Millerville Road Interchange Modification Request (Baton Rouge, LA) -** The scope of this project consisted of preparing and obtaining environmental clearance for the proposed future roadway and signal improvements at the I-12 / Millerville Road Interchange. Mr. Lambert developed all HCS analyses and a micro-simulation model of the preferred alternative. He also participated in several public meetings to satisfy the environmental clearance requirements.
(04/04 – 09/06)	**Stage 0 I-10 at Pecue Lane Interchange Justification Study (Baton Rouge, LA) -** Mr. Lambert was lead traffic engineer for a Stage 0 traffic study analyzing proposed interchange at I-10 and Pecue Lane. He developed current and future traffic volumes based on CRPC TransCAD model growth

	rates. Using HCS, he analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Mr. Lambert also developed a micro-simulation model in both VISSIM and TSIS.
(04/04-12/04)	**I-10 Frontage Roads, Picardy Interchange, Bluebonnet and Siegen (Baton Rouge, LA) -** Mr. Lambert provided the traffic analysis for a highly unique reconfiguration of interstate ramps that included frontage roads and an overpass of I-10 for new an interchange at Picardy. HCS and VISSIM were the primary analysis tools for the analysis. As part of the design team that developed the concept for this project, He performed feasibility studies, developed design criteria, and coordinated with city, state and federal agencies for approvals as well as gathered public input. Mr. Lambert prepared traffic signal timings and designs that included cost estimates for the project.
(01/21 – current)	**H.005168.2 New Orleans Rail Gateway Environmental Impact Statement, Jefferson and Orleans Parish, LA** – The Jefferson Highway-Rail Crossing Relocation project will evaluate relocating the NOPB at-grade crossing to the KCS at-grade crossing. The grade separating each combined crossing (roadway over rail) will also be evaluated. Mr. Lambert is the Principal-in-Charge of the project and is responsible for all quality control functions. Currently, Appendix B and Chapter 1 have been approved by DOTD.
(10/17 - 10/18)	**H.013025 LA 182 (University Avenue) Corridor Planning Study, Lafayette, LA** – Mr. Lambert was the Lead Transportation Engineer for a Corridor Planning Study of LA 182. Scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. He collected AM & PM peak vehicle turning movement counts and pedestrian and bicycle counts. Coordinated with Acadiana Planning Commission to develop growth rates and design year volumes. He then performed a Highway Capacity Manual analysis for 5 intersections along 5 intersection analyses for signalized and roundabout controlled alternatives. A safety analysis of 5 intersections and intermediate segments was included in the study. Based on safety analysis results, Mr. Lambert provided design criteria to design team for improving the safety of pedestrians, bicycles, and vehicles.
(02/17 - 10/17)	**STPN 17-023 Stage 0 Judge Tanner Boulevard at N. Causeway Roundabout Study, St. Tammany Parish, LA** – Mr. Lambert developed a Stage 0 Feasibility Study for roundabouts at 4 intersections in Mandeville. Mr. Lambert and Ms. Ferlito collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for peak periods, and speed data for mainlines. He coordinated with NORPC to develop growth rates and design year volumes from TransCAD model. He performed traffic signal warrants analyses and a Sidra unsignalized, signalized, and roundabout analyses.
(06/16 - 09/17)	**H.004490 Stage 0 Roundabout Studies, Lafayette Parish, LA** – Mr. Lambert performed a Stage 0 Feasibility Study for roundabouts at ten intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Mr. Lambert collected 7-day, 24-hour counts with classification, turning movement counts for peak periods, and speed data for mainlines. Once the traffic data was collected, he performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized, and roundabout analyses. After completing the analyses, Mr. Lambert developed a report that captured the results.
(09/16 - 04/17)	**H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study, St. Tammany Parish, LA** – Mr. Lambert was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment to obtain both existing and projected future traffic variables per standard operating procedures typically performed in these types of analyses. Mr. Lambert worked closely with the NORPC and District 62 to develop design year volumes using data from the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Mr. Lambert and Ms. Ferlito collected seven-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods, and speed data for mainlines. Mr. Lambert also developed a VISSIM traffic simulation model of the preferred alternative.
(01/17 – 07/17)	**H.972216.1 Stage 0 Feasibility Minnesota Park Road Improvements, Tangipahoa Parish, LA** – Mr. Lambert was the task leader for traffic data collection and intersection analyses of a Stage 0 Feasibility Study. He utilized the Highway Capacity Manual Analyses software Sidra software to perform an alternative analysis. Mr. Lambert was the principal author of the traffic study for Stage 0.

Meets MPR #12			
Firm employed by	ATLAS		
Name	Robinson Nicol, PE, PTOE	Years of relevant experience with this employer	1
Title	Senior Traffic Engineer	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		MS / 2010 / Civil Engineering BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		PE #44455 / Louisiana / 9-30-2024 | PTOE #4070	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. Nicol will serve as Quality Control Support - Traffic and Safety Studies / IJR. Mr. Nicol's background includes traffic engineering, signal operations, Intelligent Transportation System (ITS) design, signal design, strategic transportation planning, and roadway design. His experience includes traffic simulation, signal timing, signal design, ITS master planning, and design, corridor evaluations, traffic impact analysis, interchange justification reports, geometric and staging design for rural and urban roadways, and drainage design. He is knowledgeable and familiar with Louisiana Department of Transportation (LADOTD) policies and procedures. He is experienced in managing traffic-responsive timing implementation that reacts to changes in traffic patterns and proactively adjusts timing plans accordingly. His technical skills include using VISSIM and HCS software to perform signal timing, traffic analysis, and simulation modeling. Mr. Nicol has developed and calibrated several extensive simulation models throughout the Atlanta area.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(07/22 – Present)	**Clayton Interchange Feasibility Study: Conley I-285, Clayton County, GA** – Mr. Nicol is Lead Traffic Engineer for a study to determine feasibility of new Conley Rd interchange at I-285. New Conley Rd interstate access would provide a direct connection from I-285 to Hartsfield-Jackson Atlanta Airport's International Terminal. Study area includes approximately 3.5 miles of I-285, I-285 interchanges with South Loop Road, I-75, US 41, SR 54, and associated arterial corridors with signalized intersections. Study involved freeway and intersection analysis, concept design, public involvement, economic impact analysis, and environmental screening. He led the traffic analysis effort, which included merge/diverge/weaving analysis (HCS), intersection analysis (Synchro), alternatives analysis, traffic projections, stakeholder engagement, public meetings, and detailed reporting.
(11/21 – Present)	**Georgia Department of Transportation: SigOps Traffic Signal Operations Program, West Metro Atlanta, GA –** Mr. Nicol is Maintenance Lead on Gresham Smith team to operate and maintain traffic signals in west metro region. Project's scope includes actively managing traffic and signal operations in west metro region. Atlas regularly coordinates with local jurisdictions, including City of Smyrna, Marietta, and surrounding counties. We are responsible for optimizing signal systems along these commuter routes to maximize efficiency and throughput to reduce congestion and increase travel time reliability. We create and maintain a detailed inventory of all signal equipment malfunctions in the field; troubleshoot and repair field hardware; perform routine preventative maintenance; install new signal and ITS

	equipment as needed to benefit the operations and management of the systems, and actively manage corridor both in the field and from central. Mr. Nicol manages a team of maintenance specialists who help develop and administer on-call requests (OCRs) for GDOT's signal maintenance contract and allocate an $850K budget by issuing work orders to several contractors. Position involves communication closely with GDOT and contractors to ensure 1,450 signals are maintained. Additional project scope includes handling emergencies, getting contractors on-site ASAP to keep operations running smoothly, and ensuring traveling public arrives home safely to their families. The OCRs include repairs and upgrades to signal and ITS devices required at any of the signals in the west metro region.
(11/21 – 11/22)	Hinesville Area Metropolitan Planning Organization: EG Miles Parkway Corridor Study, Hinesville, GA – Mr. Nicol served as a Project Manager on this study that focused on capacity and safety improvements based on findings in a previous Road Safety Audit (RSA) performed by the GDOT a few years prior. The scope included data collection, review of existing plans, traffic modeling, incorporation of GDOT RSA recommendations, schematic plans, signal warrants screening, ICE analysis, cost estimation, and detailed reporting. A multi-lane roundabout was included at one location as an additional analysis. The study also included extensive public involvement and coordination with the city, county, and GDOT. Recommendations were focused on safety and incorporated vehicle improvements, bicycle/pedestrian upgrades, street lighting, and signal upgrades. Mr. Nicol managed the project schedule, budget, and client relations. He also provided technical oversight and guidance to the traffic staff.
(10/06 – 06/07)	**GDOT On-Call Athens Interchange Justification Report, Athens-Clarke County, GA -** Mr. Nicol served as Traffic Engineer. Purpose of Interchange Justification Report (IJR) for connector between SR 10 Loop and US 78/Atlanta Hwy in Athens-Clarke County was to analyze and document need for new interchange at SR 10 Loop between Atlanta Hwy and Tallassee Rd.
(10/06 – 06/07)	**GDOT On-Call Athens Interchange Justification Report, Athens-Clarke County, GA -** Mr. Nicol served as Traffic Engineer. The purpose of the IJR for a connector between SR 10 Loop and US 78/Atlanta Highway in Athens-Clarke County was to analyze and document the need for a new interchange at SR 10 Loop between Atlanta Highway and Tallassee Road.
(09/07-03/07)	**GDOT On-Call Effingham County Transportation Study, Effingham County, GA -** Mr. Nicol served as Traffic Engineer. The goal of the transportation study was to ensure that the county's current and future transportation needs were identified, and cost-effective solutions were formulated. The plan involved several project elements, including developing a detailed analysis of the study area's existing and future travel demands. The analysis used historical data and forecasts based on the development of a travel demand model for Effingham County, expanding the current GDOT travel demand model for Chatham County.
(08/11-12/11)	**Interchange Modification Reports for I-85 at Jimmy Carter Boulevard and I-85 at Pleasant Hill Road, Gwinnett County, GA** Mr. Nicol served as Transportation Planner. The Interchange Modification Reports (IMR) included analysis of existing conditions, projection of future demand and operations, and analysis of several interchange design alternatives.
(06/10-09/11)	**SR 204 Traffic Analysis, Chatham County, GA -** Mr. Nicol served as Traffic Engineer. The purpose of this corridor study is to analyze existing and future traffic conditions along the corridor and determine the ultimate needs of the facility to support the surrounding area. Traffic simulation analysis and crash analysis were used to develop recommendations from several proposed alternatives along SR 204 from I-95 to the connection with Truman Parkway.
(04/13-06/14)	**South Tifton Bypass from US82/SR520 to US319/SR35, Tift County, GA -** Mr. Nicol served as Traffic Engineer. This project involved the planning and designing of a bypass south of the City of Tifton. The bypass location was established by conducting engineering studies, public involvement, and engineering design services for the department under an Indefinite Delivery Indefinite Quantity (IDIQ) contract with GDOT. The project is estimated to involve 12 miles of new location, four-lane, urban, and arterial roadway, with 6 miles of collector and arterial side roads. The project also involves a proposed one interchange on I-75, 20 unsignalized intersections, eight signalized intersections, 250 parcels, and 325 driveways. Potentially there are eight bridge structures with six crossing creeks/rivers. Traffic simulation analysis and crash analysis were included as part of this study.

Meets MPR #12				
Firm employed by	VECTURA CONSULTING SERVICES, LLC			
Name	Kristen Farrington, PE, PTOE, RSP1		Years of relevant experience with this employer	2
Title	Project Traffic Engineer		Years of relevant experience with other employer(s)	6.5
Degree(s) / Years / Specialization		BS / 2014 / Civil Engineering		
Active registration number / state / expiration date		PE #42785 / Louisiana / 3-31-2025 | PTOE #4863		
Year registered	2018	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities		Task Leader of Traffic and Safety Studies / IJR		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(04/21-Current)	**CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project (Baton Rouge, LA) -** Ms. Farrington was a project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street, and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
(02/21 – 07/22)	**LA 67 (Plank Rd) Corridor Enhancement – Dawson Street to Harding Blvd., Baton Rouge, LA** – Ms. Farrington developed crash diagrams in CAD to identify any correctable crash types as part of Appendix C of the traffic report.
(03/19 – 11/19)	**H.012311 LA 429 Connector Stage 0, Ascension Parish, LA** – Ms. Farrington was the Task Leader for preparing a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10 between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Civil Engineer responsible for designing high-level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote a report.
(09/17 – 09/18)	**H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621), Ascension Parish, LA** – Ms. Farrington was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
(06/19 - 2/21)	**H.013459 US 167 Improvements Stage 0 (Elsie Street to Gilbert Street), St. Landry Parish, LA** – Ms. Farrington served as Project Manager for a Stage 0 study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Safety analyses included crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project—compiled meeting agenda materials and minutes.

(06/19 - 2/21)	**H.013460 US 167 Improvements Stage 0 (Enola Street to Ross Road), Evangeline Parish, LA** – Ms. Farrington served as Project Manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast, for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer was responsible for safety analysis, including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, No-Build Analysis, and benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project—compiled meeting agenda materials and minutes.
(11/18 - 3/21)	**H.013322 LA 3040 Feasibility / Safety Study Stage 0, Houma, LA** – Ms. Farrington served as Project Engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Ms. Farrington was responsible for compiling a data collection plan for submittal to DOTD, including count locations and determining peak periods and hours. Ms. Farrington performed peak period observations in the field, geometric field checks, and unmet demand observations and calculations. Ms. Farrington prepared TMC figures and performed existing analyses in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of the report. Ms. Farrington represented the project at stakeholder meetings to discuss the project status.
(04/18 – 04/19)	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, LA** – Ms. Farrington was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineers ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
(04/19 – 6/21)	**H.013817.1 A 117 Improvements Stage 0, Vernon and Natchitoches Parishes, LA** – Ms. Farrington served as Project Engineer responsible for a Stage 0 study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Ms. Farrington was responsible for performing the safety analysis, including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and no-build analysis. Ms. Farrington designed high-level concept exhibits, evaluated environmental impacts, and prepared high-level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Ms. Farrington compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and needs of the project were met.

Meets MPR #12			
Firm employed by	VECTURA CONSULTING SERVICES, LLC		
Name	Reece Rodrigue, PE, PTOE, RSP1	Years of relevant experience with this employer	3
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization		BS / 2013 / Civil Engineering	
Active registration number / state / expiration date		PE #42074 / Louisiana / 3-31-2024 | PTOE #4508	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Traffic Engineering Support of Traffic and Safety Studies / IJR	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(09/20 – 12/21)	**H.010960.5 LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA** – Mr. Rodrigue was Project Engineer as part of the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. Mr. Malisetty and Mr. Rodrigue calculated the temporary pole heights and determined the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Mr. Rodrigue thoroughly analyzed the existing allowable movements on LA 30. He identified the movements that would be restricted during the proposed construction process and how they would impact the typical traffic patterns.
(10/16-05/17)	**Loyola Interchange Modification Request, Kenner, LA** – Mr. Rodrigue was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
(02/21 – Current)	**LA 67 (Plank Rd) Corridor Enhancement – Dawson Street to Harding Blvd., Baton Rouge, LA** – Mr. Rodrigue performed the geometric field checks. Mr. Rodrigue then captured the geometric field data in figures developed in CAD per the TEPR process.
(04/20 – Current)	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, LA** – Mr. Rodrigue is the Design Engineer for the temporary traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. The design of the temporary signals is set for eight phases of construction. Temporary pole locations were recommended for placement for use in all construction phases. Temporary pole heights and clearance interval calculations were conducted in accordance with DOTD and ITE guidance. Mr. Rodrigue was responsible for producing the traffic analysis portion of the Traffic Management Plan (TMP), which was also used in the permanent and temporary signal timing plans. He also assisted in the production of the permanent signal plans for the same intersections as the temporary signal plans. Mr. Rodrigue was responsible for the production of the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan.
(09/20 – 12/21)	**H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish, LA** – Mr. Rodrigue was Project Engineer as part of the design team for the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough

	analysis of the existing allowable movements on US 171 and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
(11/15 – 12/16)	**H.011849 Veterans Boulevard Corridor Stage 0 Feasibility Study, Jefferson Parish, LA** – Mr. Rodrigue was the Project Manager for the Stage 0 Corridor Retiming Study along Veterans Blvd from Lake Ave to Massachusetts Ave. He evaluated turning movement counts and the existing traffic signal timings, and plans for the 31 signalized intersections along the corridor. He conducted travel time analyses through the corridor during morning, midday, and afternoon peak periods to determine the current flow of traffic through the corridor. He used calculations recommended by ITE to determine the clearance intervals of each intersection along the corridor. For the purposes of analyzing each intersection along the corridor, he assisted in producing a model of the corridor using the traffic signal timing optimization software Synchro 8. He assisted in implementing the new signal timings into the traffic signal controllers of the intersections. Once the implementation was complete, he conducted travel time analyses using the new traffic signal timings. He also assisted in drafting the study's report.
(02/16 - 12/16)	**H.005733.5 US 190 Superstreet Task Order, St. Tammany Parish, LA** – Mr. Rodrigue was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using the CAD software program MicroStation V8i and aided in the technical design of each intersection. He conducted field inspections to verify existing equipment locations and observed the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
(01/16 – 11/17)	**Ochsner Main Campus Traffic Signals, Jefferson Parish, LA** – Mr. Rodrigue served as a Design Engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time-of-day coordination timing parameters for the two intersections so they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the 2 intersections were drafted in the form of DOTD's latest version of the TS) format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.

Meets MPR #12

Firm employed by	VECTURA CONSULTING SERVICES, LLC		
Name	Bridget Scheyd Robicheaux, PE, PTOE	Years of relevant experience with this employer	5
Title	Project Traffic Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS/2007/Civil Engineering | MS/2014/Civil Engineering (Transportation focus)	
Active registration number / state / expiration date		Professional Engineer #41272 / Louisiana / 3-31-25	
Year registered	2016	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Traffic Engineering Support of Traffic and Safety Studies / IJR	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(07/19 – Present)	**MOVEBR New Capacity Projects Program Management (Baton Rouge, LA) -** Ms. Robicheaux assists Ms. Ferlito daily for entire New Capacity Projects program management team. She has performed multiple **reviews of traffic studies and traffic signal designs**, including: reviewing raw data, unmet demand, volume maps, existing/build analyses, and safety analyses for accuracy and consistency throughout report. She provides comments in a spreadsheet known as Comment Tracker so all parties know. Many projects are on state routes and require DOTD Traffic Engineering staff and EBR Traffic Engineering Dept. approval. She understands current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Ms. Robicheaux helped develop design year volumes for Jones Creek MOVEBR project. She developed Turn Lane tech memos for MOVEBR Old Hammond Hwy Segments 1A and 2 projects and for MOVEBR Highland at Siegen project.
(06/16-09/17)	**H.004490 Stage 0 Roundabout Studies, (Lafayette Parish, LA)** - Ms. Robicheaux assisted with developing a **Stage 0 Feasibility Study** for roundabouts at 7 intersections in Lafayette area. Scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. She developed traffic **turning movement counts** diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Ms. Robicheaux also developed several figures that were included in the report.
(02/17-10/17)	**Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA)** - Ms. Robicheaux participated in the development of a **Stage 0 Feasibility Study** for roundabouts at 4 intersections in St. Tammany Parish. Scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. She developed traffic **turning movement counts** for morning/ evening peak periods including peak hour factor and heavy vehicle percentages. Growth rates for **design year volumes** were developed based on information provided from **TransCAD model**. She performed portions of Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.
(10/17-07/18)	**Travel Demand Model Update: Southeast Louisiana Travel Model (New Orleans, LA)** - Ms. Robicheaux developed base year traffic volumes to calibrate and test of regional travel demand as part of **updating New Orleans Regional Planning Commission Travel Demand Model in TransCAD**. She obtained and reviewed over 4,000 traffic counts (cars / trucks) used in validating SELATRAM model to check for consistency, reasonableness and completeness. She tabulated her results in a spreadsheet included in a technical memorandum.

Firm employed by	ATLAS		
Name	Brad Hale, PE	Years of relevant experience with this employer	30
Title	Highway Design Manager	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / Civil Engineering / 1992	
Active registration number / state / expiration date		PE# 23733 / Georgia / 12-31-2023	
Year registered	1997	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. Hale will serve as Roadway Engineer - Design / Geometrics / Line & Grade. Mr. Hale is the Southeast Region Highway Design Manager for Atlas with 30 years of experience. He has managed and designed some of the most complex projects in Georgia. He supervises a team of engineers and technicians using latest design-related computer software and methods. Mr. Hale monitors progress of Atlas's work and works closely with staff to maintain schedules and production of quality design deliverable. Mr. Hale has personally designed and managed more than 50 highway design projects let by GDOT including some of the most complex interstate interchanges in Georgia. These projects required solving complex design, environmental mitigation, and utility relocation issues. The team of engineers and technicians he leads uses the latest design-related computer software reflecting the industry's best practices. Mr. Hale applies his hands-on approach to design management and production to work closely with our environmental and planning professionals to achieve the optimum balance between economical engineering and context-sensitive design.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(08/20 – Present)	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA** – Mr. Hale serves as Roadway Engineer an Enhanced Planning Study for the new bridge crossing of the Mississippi River to alleviate traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 on the west side of the Mississippi River and to LA 30 (and widening of LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. Three alternatives have been identified from the Enhanced Planning Study and will be analyzed further in Part 2 of the project, which consists of preparing the NEPA document to identify a preferred alternative.
(01/21 – Present)	**20-CP-HC-0014: MovEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA** – Mr. Hale serves as Highway QA/QC for this project that is part of the MovEBR Program, designated as a New Capacity Improvement Project. Joor roadway is identified as part of road transfer program and is a future PARISH route. Greenwell Springs road will remain a DOTD roadway. Project includes a new 2-lane roadway with shoulders and open ditch drainage. Sherwood Forest Extension is a greenfield project connecting Sherwood Forest at Greenwell Springs to Joor Road at Mickens. Work also includes enhancing traffic flow within the intersection limits.
(11/99 – Present)	**I-16/I-75 Interchange, Bibb County, GA –** Mr. Hale served as Lead Design Project Manager and Engineer of Record on this complex interstate interchange project. He led all design efforts for the roadway and drainage. which included the reconstruction of four interchanges: three interstate/ arterial route interchanges (I-16 at Spring Street, Second Street, and Coliseum Drive) and a freeway-to-

	freeway interchange between I-16 and I-75. The project includes the construction of 33 bridges. Phases 1, 1b, 2, and 3, including 17 bridges and 30 walls, are under construction at $231M. Phases 4, 5, and 6 are estimated at $307M.
(12/13 – 10/15)	**I-75/Windy Hill Road/Diverging Diamond Interchange, Cobb County, GA** - As Design Project Manager and Engineer of Record, Mr. Hale supervised the database preparation, concept development, preliminary engineering, right-of-way plans, and final plan development. GDOT and Cobb County had studied the complex traffic movements at the I-75/Windy Hill interchange for many years. The bridge width bottlenecked the existing infrastructure over the interstate, and previous proposals for upgrading the interchange required replacement or widening of the bridge. Atlas applied an alternative solution involving an innovative interchange design known as a "diverging diamond." This concept crossed the traffic flow on either side of the interstate and has been successfully implemented across the U.S. The project included a roundabout on Interstate North Parkway. This 50-foot mini-roundabout is a single, 20-foot-wide travel lane with a 10-foot grassed median and 20-foot truck apron capable of accommodating a WB-67 truck.
(01/04 – 11/06)	**I-75 / I-85 - 14th Street Interchange, Fulton County, GA -** Mr. Hale was the Lead Design Project Manager. He managed all design efforts and coordinated with GDOT and other project stakeholders. This complex interstate interchange project included widening approximately two miles of 14th Street in midtown Atlanta, relocated Williams Street, and included a new ramp to 17th Street. The project also included relocating several utilities and future considerations for interstate HOV access and a 15th Street bridge and roadway. Atlas prepared staging and maintenance of traffic plans. NEPA documentation was prepared and approved in conjunction with the Atlantic Station development and the associated 17th Street bridge project.

I-75/Windy Hill Road/Diverging Diamond Interchange, Cobb County, GA

Firm employed by	ATLAS		
Name	Jacqueline "Jackie" Wood	Years of relevant experience with this employer	<1
Title	Senior Civil Designer	Years of relevant experience with other employer(s)	44
Degree(s) / Years / Specialization		BS / 1980 / Home Economics	
Active registration number / state / expiration date		n/a	
Year registered	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities		Ms. Wood will serve as Senior Civil Designer / Geometrics / Line & Grade. Her experience includes creating roadway plans (design and drafting). She assists contractors and engineers with coordinating field changes and creating work drawings and change orders. She has been responsible for feasibility studies and the training of engineer interns and CAD technicians. She is versed in working with LADOTD graphics to add symbology parameters for the Road Design Standards for CADconform. Her skills include proficiency in MicroStation, Inroads, OpenRoads, Autoturn, LADOTD CADconform, and AutoCAD Civil 3D 2018.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(11/22 – Current)	**20-CP-HC-0014: MOVEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA –** Ms. Wood is Lead Designer for the development of the Phase 1 – Design Study of a new connector road extending Sherwood Forest Blvd approximately 2 miles from existing Greenwell Springs intersection to existing Joor/Mickens Rd. intersection. Her role includes civil road design (layout, grading, drainage, utility coordination, etc.), design of existing intersection modifications, and new Sherwood Forest Blvd alignment layout.
(07/17 – 06/19)	**S.P. H.010960 - LA 30 Roundabouts at Tanger and I-10, Ascension Parish -** As Lead Designer, Ms. Wood was responsible for development and completion of 30% preliminary plans and assisted in development of remaining preliminary submittals and final plan development for the project. The project includes 3 roundabouts on LA 30 with 2 at the I-10 ramps.
(07/17 – 06/19)	**S.P. NO. H.011909 Traffic Engineering Management Roadway Projects – Roundabout: US 171 at Boone St. / LADOTD / Vernon Parish, LA** Ms. Wood served as the Lead Designer responsible for the design of intersection and corridor improvements along US 171. The design included a roundabout, J-turn, and turn lanes.
(03/14 – 06/17)	**S.P. No. H.010572.1: Stage 0 Feasibility Study and Environmental Inventory for LA 30 (Ashland Rd. to LA 44) / LADOTD / Ascension Parish, LA –** As lead designer, Ms. Wood assisted in completing the existing plan sheets. She assisted in creating plan views for approximately 20 interchanges considered in the Tier 1 interchange analysis. Interchange layouts included DDI, Roundabouts, partial and full cloverleafs, SPUI, directional interchanges, and diamond interchanges. Once the final three interchanges were selected for continuance to Tier 2, she assisted with the plan and profile sheets for each proposed alternative.
(04/15 – 07/16)	**S.P. No. H.005734: Stage 1 Environmental Assessment for LA 447 Corridor Study –** Ms. Wood served as the Lead Designer for this project, created proposed typical sections, and assisted with the determination of the existing roadway classification. She assisted with the plan preparation for the corridor improvements and the proposed partial cloverleaf interchange with double roundabouts.

(07/17 – 01/20)	**S.P. No. H.011137 - I-12: LA 21 to US 190 Widening Design / LADOTD / St. Tammany Parish, LA –** The design will widen I-12 between LA 21 to US 190 to provide a median barrier, inside additional lanes, and outside auxiliary lanes. Ms. Wood served as Senior Designer, responsible for roadway design, modeling, plan production, LADOTD formatting, and CADConform compliance. Restriping and pier protection were designed to avoid major realignment of roads passing under the interstate overpass, ultimately providing time and cost savings for the project. Many lane transitions and drops were part of this design, as well as auxiliary lane and transitions to existing ramp alignments. Coordination between the bridge engineers and the roadway designers was key to completing a cohesive design.
(03/15 – 07/16)	**US 90 & Prater Road Turn Lane Improvements / LADOTD / Calcasieu, LA –** Ms. Wood served as Lead Designer completing the preliminary and final plan sheets, creating baselines, sequence of construction and striping and signage plans for this project. This project involved the addition of turn lanes and an acceleration lane at the US 90 and Prater Road intersection.
(2008-2011)	**S.P. No H.009250 - I-10 Widening Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parishes –** As Lead Designer, Ms. Wood was responsible for plan development of the I-10 WB on ramp from Highland Road which included all preliminary and final plan submittals. The project included widening I-10 a quarter mile west of the I-10/ Highland Road interchange to east of the I-10/ LA 73 interchange from 2 lanes in each direction to 3.
(2006-2007)	**S.P. No. 700-92-0011 - I-49 South: US 90 Raceland to Westbank Expressway, Lafourche and Jefferson Parishes –** Ms Wood developed conceptual layouts for proposed upgrade of the US 90 corridor to meet interstate standards for future I-49 corridor as well as interchange concepts for future I-49 and I-310 interchange. Conceptual layouts were developed in support of preparation of Final Environmental Impact Statement which included US 90 corridor between the LA 1 / LA 308 interchange at Bayou Lafourche near Raceland in Lafourche Parish and existing completed portion of elevated Westbank Expressway near Ames Boulevard in Jefferson Parish, a distance of 36.3 miles. This included an extension of Interstate Highway 310 (I-310) from its current alignment to interchange with future I-49, approximately 2.3 miles. Total length of mainline interstate construction would be 38.6 miles.

DOTD FORM: 24-102

Firm employed by	ATLAS		
Name	Stephen E. Wilson, PE	Years of relevant experience with this employer	<1
Title	Civil Engineer	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization		BS / 2005 / Civil Engineering	
Active registration number / state / expiration date		PE.37821 / Louisiana / 9/30/2023	
Year registered	2013	Discipline	Civil Engineer
Contract role(s) / brief description of responsibilities		Roadway Engineering - Mr. Wilson will serve as Lead Engineer for geometric considerations during Tier 1 alternative matrix development, footprint alternative layouts during Preliminary Tier 2, critical geometry layout and design guideline report during Final Alternative Analysis. Mr. Wilson has 18 years of experience focused on civil/site design and transportation engineering. This includes roadway and drainage design for preliminary and final plan preparation of corridor and intersection improvement projects for LADOTD, municipalities and private clients.	

Experience dates (06/18–11/22)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
(01/23 – Current)	**20-CP-HC-0014: MOVEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA –** Mr. Wilson serves as Lead Engineer for the development of the Phase 1 – Design Study of a new connector road extending Sherwood Forest Blvd approximately two miles from the existing Greenwell Springs Rd intersection to the existing Joor/Mickens Rd intersection. His role includes oversight of civil road design (layout, grading, drainage, utility coordination, etc.), oversight of design of the existing intersection modifications, new Sherwood Forest Blvd alignment layout, and project coordination.
(4/18 – 1/23)	**H.013494: LA 52 Complete Streets Improvements, St. Charles Parish, LA -** Mr. Wilson served as project engineer and has assisted with the performance of preliminary and final design for the redesign of LA 52 using LADOTD Complete Streets approach. Project involves engineering and design and all related supplemental services for drainage improvements and Complete Streets services along LA 52. As part of this work, Mr. Wilson has assisted with drainage calculations and roadway grade profiles. This project was partially grant funded and is being designed in accordance with FHWA and LADOTD design standards. Construction Cost: $9.26M.
(7/16 - 10/21)	**MOVEBR: South Choctaw Drive Widening and Intersection Improvements (Flannery Road to Central Thruway), Baton Rouge, LA -** Mr. Wilson served as Project Engineer for the South Choctaw Drive project, part of the City/Parish of Baton Rouge's MOVEBR Program to improve traffic congestion in East Baton Rouge Parish. His responsibilities included roadway and drainage design. Project involves roadway widening and drainage improvements for an existing 2 lane arterial roadway in East Baton Rouge Parish.
(1/18 – 1/23)	**Indigo Trails, Phase III, Walker, LA -** Mr. Wilson serves as Project Engineer on this 140+ acre residential subdivision development located in Livingston Parish, LA. In his role, Mr. Wilson has designed all roadway, subsurface drainage, sanitary sewer, water retention systems, traffic signage and striping and water/gas distribution systems required for the project. Mr. Wilson has coordinated with governmental agencies for various required permits and approvals of the development and has assisted construction personnel during construction.

Firm employed by	ATLAS		
Name	Bill Duvall, PE	Years of relevant experience with this employer	2
Title	Structural Engineer Manager	Years of relevant experience with other employer(s)	28
Degree(s) / Years / Specialization	MS / Civil Engineering / 1991 BS/ Civil Engineering / 1990		
Active registration number / state / expiration date	PE #45647 / Louisiana / 09-30-2023		
Year registered 05/27/2021	Discipline: Civil Engineering		
Contract role(s) / brief description of responsibilities	Mr. Duvall will serve as Bridge Designer/ Stage 1 Structural Site Survey. He has 30 years of bridge design and maintenance and inspection experience. As GDOT's State Bridge Engineer for over five years, he led the Office of Bridge Design & Maintenance, directed bridge design activities, set policies and guidance for highway design and maintenance ensured delivery of quality projects. He focused on development of Georgia's Bridge Program to ensure a safe and sustainable transportation network.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(05/95 – 03/96)	**SR 20 & I-85 Interchange Reconstruction, Gwinnett County, GA –** Mr. Duvall was Lead Design Engineer for 2 horizontally curved plate girder bridges. One loop bridge was designed on 22-degree curve with skewed bents. Substructure was uniquely designed concrete piers on spread footings and drilled caissons. Work was consistent with Area Class 4.02 – Major Bridge Design.
(03/94 – 04/95)	**SR 15 and Athens Bypass Interchange Reconstruction, Clarke County, GA –** Mr. Duvall was Lead Bridge Design Engineer this interchange reconstruction project included the widening of five bridges. This project included simple span steel beams, simple span plate girders, and reinforced concrete deck girders. The work included both preliminary and final designs and was one of the major projects he completed involving multiple bridges.
(04/96 – 07/97)	**US 80 Widening/Reconstruction, Muscogee County, GA –** Mr. Duvall was Lead Bridge Design Engineer for this work included widening existing bridge over Kendall Creek and a parallel bridge at same location for divided highway. Original historic earth-filled concrete arch was widened in kind. Adjacent structure consisted of prestressed concrete bulb-tee girders.
(04/99 – 05/05)	**Bridge Inspection and Inventory Program, Statewide, GA –** He oversaw inspection/inventory of Georgia's 14,800 bridges. Managed 12 routine inspection teams, 2 underwater teams operating statewide, and 2 specialized crews using bridge snoopers. Guided review engineers in evaluating biennial inspection reports and special inspections, including Fracture Critical and Scour Critical inspections. He ensured bridge inventory data was accurate in accordance with National Bridge Inspection Standards and GDOT policies and properly stored in master database. Responsible for creating annual update of Georgia's Bridge Inventory for FHWA each year required by NBIS.
(08/97 – 03/99)	**Bridge Load Rating, Statewide, GA –** As Structural Engineer for bridge inspection, Mr. Duvall was responsible for bridge load rating and determining load posting requirements. He performed hundreds of bridge load ratings for both superstructure and substructure components. Mr. Duvall managed the load rating program, including consultant engineering support and Georgia DOT Bridge Inspection Engineers. Program integrated inspection findings with load rating results, which were incorporated into bridge inventory.

Firm employed by	ATLAS		
Name	Kevin Dascall, PE, PMP	Years of relevant experience with this employer	5
Title	Bridge Design Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization		BS / Civil Engineering / 2013	
Active registration number / state / expiration date		PE #44103 / Louisiana / 03-31-2022	
Year registered	2018	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Mr. Dascall will serve as Bridge Design / Stage 1 Structural Site Survey. He performs design, analysis, and quality control of bridges, walls, and other structures on a variety of different projects.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(2017 – 2021)	**Effingham Parkway, Effingham County, GA –** This project consisted of six prestressed concrete girder bridges on pile bents over wetlands in Effingham County, Georgia. The bridges vary in length from 550' to over 2500'. Mr. Dascall served as lead structural designer on all six bridges in both the preliminary and final design phases. He was tasked with ensuring a feasible design that considered the environmentally sensitive wetlands over which the bridges spanned.
(2017 – 2020)	**McGinnis Ferry Road over GA 400, Forsyth County, GA -** This project consisted of a prestressed concrete girder bridge spanning Georgia State Route 400. Mr. Dascall was the designer during this project's final bridge plans phase. His responsibilities included expanding on the previously established preliminary layout, designing prestressed concrete girders, and design of reinforced concrete substructure.
(2016-2018)	**Sigman Road Walls, Rockdale County, GA -** This project consisted of the design of MSE and soil nail walls along Sigman Road to accommodate a widened roadway. Mr. Dascall was the structural engineer for the final design plans for various retaining walls, including MSE and soil nail walls.
(2014 – 2016)	**Northwest Corridor Project, Cobb and Cherokee Counties, GA –** Mr. Dascall was heavily involved in the design process and is listed as the designer on two bridges, as well as the drawer on a handful of other bridge plans. He was also involved in project management while the structural lead for this project was in transition.
(03/14 – 08/14)	**Virginia Avenue Tunnel Project -** This project involved design calculations and drawings in reconstructing a tunnel in the Washington, DC, area. Mr. Dascall provided QC for shop drawings and assisted in miscellaneous design and CAD work.

DOTD FORM: 24-102

Firm employed by	ATLAS		
Name	Sean Warren	Years of relevant experience with this employer	1
Title	Lead Cost Engineer	Years of relevant experience with other employer(s)	19
Degree(s) / Years / Specialization	BS / 2003 / Civil Engineering		
Active registration number / state / expiration date	Register of Professional Archaeologists #18066Professional Engineer / Louisiana / #35747 / 03/31/2025 Professional Engineer - FL, AL, MS, TX PMI – Project Management Professional OSHA 30 Hour Safety Training Certification USACE – Quality Management for Contractors		
Year registered	2010	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities	Cost Estimation - Mr. Warren serves as Atlas' Lead Cost Engineer, having garnered 20 years' experience providing cost estimates for engineering projects, some ranging in the billions of dollars. His experience provides Mr. Warren with the expertise to hone in on costs related to all aspects engineering/design services for roadway, marine wharf structures, bridges and overpasses. His experience, diligence, and dedication to project success allows him to ensure accurate cost estimates that help the client make critical project decisions. His thorough cost-estimation process helps keep projects on-budget from kick-off through to completion.		

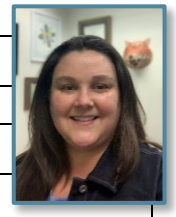
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(03/23 – Present)	Louisiana International Terminal, Port of New Orleans, New Orleans - Principal Engineer / Cost Engineer. Providing independent cost engineering support services on this $1.8B river port terminal program. The program includes the construction of new levee flood control structures, highway realignments, new highway overpasses, realignment of rail roads, pile support marine wharf structures, access bridges, and pile supported/elevated employee support buildings. The program includes marine dredging, new revetment, and construction over existing federal levees.
(09/21 – Present)	Jourdan Road Wharf Terminal | Port of New Orleans, New Orleans – Principal Engineer / Cost Engineer. Providing Independent Cost Engineering support services on this $15M marine structure. The program includes the construction of new pile supported wharf structure, and rehabilitation of existing wharf structures using water based marine plant construction methods.
(01/20 – Present)	Mid Breton Sediment Diversion Structure, CPRA, New Orleans – Principal Engineer / Cost Engineer. Providing Cost Engineering support services on this $900M river diversion structure. The program includes the construction of a new levee, flood control structures, highway realignments, new highway overpasses, realignment of railroads and rail bridge, site improvements, drainage, and erosion controls.
(08/18 – Present)	Mid Barataria Sediment Diversion Structure, CPRA, New Orleans – Cost Engineer. Providing Cost Engineering support services on this $1.8B diversion structure. The program includes the construction of a new levee, flood control structures, highway realignments, new highway overpasses, realignment of railroads, and rail bridge, site improvements, drainage, and erosion controls.

DOTD FORM: 24-102

Firm employed by	ATLAS		
Name	Robert Moreman, PE	Years of relevant experience with this employer	3.5
Title	Drainage & Hydraulic / Structural Engineer	Years of relevant experience with other employer(s)	8
Degree(s) / Years / Specialization		BS / 2011 / Civil Engineering	
Active registration number / state / expiration date		PE# 44938 / Louisiana / 03-31-25 PE# 40575 / Georgia / 12-31-2023	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Hydrologic & Hydraulic Drainage - Mr. Moreman is a bridge and hydraulic engineer with diverse design experience ranging from conceptual, preliminary, structural, and hydraulic design of numerous bridges. Prior to joining Long Engineering, Mr. Moreman served as a lead design engineer in the Georgia Department of Transportation's Office of Bridges and Structures. During his time in the Office of Bridges and Structures, his experience included preliminary bridge design, final structural design, hydraulic design, as-built scour analysis, and plan review of bridges. He also served as the Bridge Office Lead Design Engineer/Liaison for the FY2016 and FY2017 Local Design-Build Bridge Programs totaling 39 bridges.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(02/22 - Ongoing)	**Summerville Bypass, Chattooga County, GA** – Bridge and hydraulic engineer responsible for the preliminary bridge plans, hydraulic study for a bridge over town branch creek and the Chattooga River floodplain. Both hydraulic studies were performed with 2-D modeling. Both of the 2-D bridge hydraulic studies received the highest possible quality metric score from GDOT. Bridge Engineer responsible for the final design plans of the Chattooga River floodplain bridge.
(04/23 - Ongoing)	**Mississippi River Bridge, Baton Rouge, LA** - Bridge and hydraulic engineer to evaluate three possible crossing locations over the Mississippi for a new cable stayed bridge. Mr. Moreman is performing scour studies for the proposed bent locations, evaluating long term aggradation/degradation and evaluating the flood risk potential associated with each crossing location. A 2D model is being created for the Mississippi River. The approximate drainage area for the site is 1.2 million square miles.
(03/22 – 01/23)	**Sherwood Forrest Extension, Comite River floodplain and Hurricane Creek Bridge, East Baton Rouge, LA** – Bridge and hydraulic engineer who performed technical oversite of the hydraulic modeling and QA/QC of the 2D hydraulic model and associated study.
(09/21 – 05/22)	**I-85 over North Oconee River, Jackson County, GA** - Bridge and hydraulic engineer responsible for the bridge hydrologic and hydraulic study for the proposed replacement of twin 315 ft long bridges with a single 325 ft long bridge.

(10/20 – 06/21)	**I-285/I-20 Interchange Project (I-20 over Chattahoochee River), Cobb/ Fulton Counties** – Bridge and hydraulic engineer responsible for the hydrologic and hydraulic scoping study to widen the existing I-20 bridge over the Chattahoochee River. October 2020 – June 2021
(04/21 – 02/23)	**SR 83 over Polecat Creek, Walton County, GA** - Bridge and hydraulic engineer responsible for the preliminary bridge design, bridge hydraulic study, and final structural design for the proposed 120-foot-long single span bridge over the Polecat Creek. The proposed bridge was designed to utilize Accelerated Bridge Construction techniques (Precast deck panels with UHPC closure pours). April 2021- February 2023



Meets MPR #6 & 7				
Firm employed by	ATLAS			
Name	Maria Bernard Reid	Years of relevant experience with this employer	1	
Title	NEPA Environmental Specialist	Years of relevant experience with other employer(s)	22	
Degree(s) / Years / Specialization		MS / 2000 / Agribusiness and Agricultural Economics – Natural Resources Policy BS / 1998/ Forest Management and Wildlife		
Active registration number / state / expiration date		n/a		
Year registered	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities		Ms. Reid will serve as Environmental Lead. Ms. Reid has over 23 years of experience in environmental and regulatory compliance in both the private and public sectors. She is well-versed in the preparation of NEPA documents, protected species surveys and management, impact analysis, natural resources management, wetland delineations, land use planning, pedestrian and bicycle planning, and public outreach. She has managed, planned, and participated in projects requiring protected species surveys, general wildlife inventories, forest inventories, biological assessments (BAs), wetland delineations and permitting, categorical exclusions, environmental assessments (EAs), and environmental impact assessments (EIS) in Louisiana, Mississippi, Alabama, Michigan, New York, Georgia, Tennessee, Florida, Arkansas, Texas, California, New Mexico, and Arizona, as well as numerous wetland delineations in Louisiana, Mississippi, Alabama, and Florida.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(08/20 – Present)	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA –** Ms. Reid serves as Environmental Lead for an Enhanced Planning Study for the new bridge crossing of the Mississippi River to reduce traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 on the west side of the Mississippi River and to LA 30 (and widening of LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls.
(01/21 – Present)	**20-CP-HC-0014: MOVEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA** – Ms. Reid is Environmental Lead for this project that is part of the MOVEBR Program, designated as a New Capacity Improvement Project. Joor roadway is identified as part of the road transfer program and is a future Parish route. Greenwell Springs Road will remain a DOTD roadway. Project includes new 2-lane roadway with shoulders and open ditch drainage. Sherwood Forest Ext is a greenfield project connecting Sherwood Forest at Greenwell Springs to Joor Road at Mickens. Work includes enhancing traffic flow within the intersection limits.
(12/18 – 06/21)	**Land Use, Transportation, and Resilience: Scenario Planning Study for East Tangipahoa Area: Tangipahoa Parish, LA** – Ms. Reid was Project Manager. Project was conceptual planning exercise for the Regional Planning Commission and Tangipahoa Parish to establish a record of existing land use and transportation infrastructure and to model and project future land use and transportation needs in a part of Tangipahoa Parish that experienced rapid residential growth. She was Project Manager; established Project Management Committee; prepared

	demographic and economic **summary report**; oversaw **traffic data collection** and analyses; collected available utilities data; prepared conceptual land use, transportation, and resilience scenarios appropriate for low-, medium-, and high-density development; projected **demographic data** for each density development scenario for future condition modelling (Transportation Demand Model) of Study Area. Products of can be incorporated into the RPC and Parish planning data libraries and GIS geodatabases.
(09/18 – 04/21)	**Manchac Greenway: Tangipahoa Parish, LA** – Ms. Reid served as Project Manager. Tangipahoa Parish Government contracted ELOS to provide **alternatives, costs, and to propose construction phasing** for the proposed Manchac Greenway project. This project is a 10.3-mile multi-use path (bicycles and pedestrians) from Ponchatoula south to Manchac Pass generally along U.S. Highway 51. I served as the project manager and planner. I presented proposed plans to the Manchac Greenway Committee, coordinated needs and goals with Parish Government officials, and prepared a long-term planning document which detailed a phased construction plan and provided funding alternatives for the proposed Manchac Greenway.
(09/13 – 02/17)	**S.P. H.002344: LA 427 (Perkins Road): Siegen Lane – Highland Road (Environmental Assessment)** – Ms. Reid served as Environmental Lead. This project would widen Perkins Road from a two-lane roadway with poor level of service to a four-lane divided roadway with improved level of service with implementation of access management. The project was proposed as part of the Road Transfer Program and Mayor Holden's Green Light Program. The EA and line and grade-level design were prepared by consultants; however, Ms. Reid was involved in project decisions including extension of the project termini (extension from Pecue to Highland in September 2014); additional **noise studies** with homeowner association outreach in 2016; EA and technical report review, comment, and submittal to **FHWA**. FHWA signed the Finding of No Significant Impact on February 9, 2017.
(07/14 – 09/16)	**S.P. H.011295: LA 73 (Government Street): Road Diet (Categorical Exclusion)** – Ms. Reid was Environmental Coordinator. She planned and conducted public meetings; facilitated landowner/business owner outreach; represented DOTD at local government meetings; and wrote the environmental document. Mayor Holden spotlighted the Government Street Road Diet, and it was featured in local media and garnered public praise and opposition. **FHWA** approved the Categorical Exclusion on September 8, 2016. Project's anticipated letting date was July 2017.
(12/14 – 09/17)	**Interstate 10 Widening: I-49 eastward to Atchafalaya Floodway Bridge (Categorical Exclusions, S.P. H.003003, H.010601, H.003014)** – Ms. Reid served as Environmental Lead. This project was completed on an accelerated schedule in order to qualify for FASTLANE Grant funding. Each of the three sections were processed using Categorical Exclusions: 1) I-49 to LA 328, 2) LA 328 to LA 347, and 3) LA 347 to Atchafalaya Floodway Bridge. As the Environmental Coordinator, Ms. Reid prepared each Categorical Exclusion which required **public outreach** including solicitation of views and **public meetings**.
(8/14 – 9/18)	**S.P. H.004791: LA 23: Belle Chasse Bridge & Tunnel** – Ms. Reid actively advised the DOTD Environmental Task Leader during the NEPA phase of this project which would replace both the two-lane, movable Judge Perez bridge and the two-lane Belle Chasse tunnel with a four-lane fixed bridge over the Gulf Intracoastal Waterway (GIWW). The project was complex due to high traffic volumes on the LA 23 couplet using the Judge Perez Bridge and Belle Chasse Tunnel to cross the GIWW daily and during emergency evacuations of Plaquemines Parish, the condition of both the bridge and tunnel being beyond their design-lives, frequent bridge openings to allow for maritime traffic in the GIWW, frequent and extended tunnel closures for maintenance and repairs, the potential use of tolls to partially cover construction costs, **environmental justice concerns**, and the eligibility for both the bridge and tunnel to be listed on the National Register of Historic Places (NRHP).. Ms. Reid specifically worked with **FHWA** to separately document the **impacts** to the NRHP-eligible bridge and tunnel pursuant to **Section 4(f)** of the Department of Transportation Act of 1966 (49 US Code 303) and Section 18(a) of the Federal Aid Highway Act of 1968 (23 US Code 138). FHWA signed a Finding of No Significant Impact for the project on January 8, 2019.

Firm employed by	ATLAS			
Name	Bijay Niraula, PMP		Years of relevant experience with this employer	7
Title	Environmental Manager		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			MS / 2014 / Environmental and Biological Sciences BS / 2009 / Environmental Science	
Active registration number / state / expiration date			n/a	
Year registered	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities			Mr. Niraula will serve as NEPA Document Manager. Mr. Niraula has seven years of experience with environmental compliance management and supervises a team of 10 environmental specialists comprised of historians, archaeologists, biologists, air and noise analysts, and NEPA analysts. He has overseen numerous environmental permit applications at local, state, and federal levels for transportation projects of several types. His responsibilities have included the management of and coordination among various environmental disciplines. Mr. Niraula has conducted as well as overseen numerous wetland delineations, threatened and endangered species surveys, all levels of Clean Water Act Section 404 permitting, Section 401 and 402 compliance, socioeconomic effect analyses, land-use change analyses, indirect and cumulative effects analyses, public outreach on projects with high public controversies, and NEPA documents ranging from programmatic Categorial Exclusions to complex Environmental Assessments. Mr. Niraula leads extensive coordination with various local, state, and federal regulatory agencies, including USACE, U.S. Fish and Wildlife Service, U.S. Coast Guard, National Marine Fisheries Service, and has worked as a proxy environmental compliance reviewer for many GDOT projects.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(07/20 – Present)	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA** – Mr. Niraula serves as NEPA Document QA/QC for the new bridge crossing of the Mississippi River to alleviate traffic congestion in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 on the west side of the Mississippi River and to LA 30 (and widening of LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls. Three alternatives have been identified from the Enhanced Planning Study and will be analyzed further in Part 2 of the project, which consists of preparing the NEPA document to identify a preferred alternative.
(01/18 - Present)	**Georgia Department of Transportation (GDOT) PI #522570, US 84 Connector EA, Liberty County, GA** – As the Consultant Environmental Project Manager, Mr. Niraula led the overall environmental efforts for resource identification studies, pre-NEPA technical studies, Draft EA, public hearing, and Final EA/FONSI. Mr. Niraula was responsible for overseeing and providing quality control and assurance for the environmental documents and public involvement plans for this $31M project. Major challenges included two large wetland crossings, avoidance of disproportionate EJ impacts, EJ impact mitigation, and targeted EJ outreach.

(10/15 – 05/18)	**State Route 400 at McGinnis Ferry Road Interchange Construction, Forsyth County, GA** – Mr. Niraula worked as a Senior Project Ecologist providing quality control of ecological investigations and assessments during the concept and preliminary engineering phases of this $45M new interchange project. During final design, he oversaw the overall environmental process and provided quality control of EA Reevaluation and environmental permitting, ensuring on-time completion of environmental certification for construction. Major challenges included USACE coordination and 404 permitting, noise abatement, constructability, and detour.
(01/15 – 01/17)	**I-16/I-75 Interchange Reconstruction and Widening, Bibb County, GA** – Mr. Niraula completed the natural resource impact assessment and Section 404 Individual Permit Application. This $500M project contained many challenges, such as construction restrictions for the federally protected sturgeon species, National Marine Fisheries Service Section 7 consultation, temporary construction access in the Ocmulgee River for the construction of 10 bridges, Section 4(f), archaeological resources, highest level of Section 404 permitting, etc. His team, with his quality control and oversight, completed the NEPA Re-evaluation for the first four phases of the project, totaling approximately $280M in construction cost.
(05/18 - Present)	**Courtesy Parkway Connector over Interstate-20, Rockdale County, GA** – Mr. Niraula led the overall environmental efforts for alternatives analysis and selection, resource identification studies, pre-NEPA technical studies, public outreach, Draft EA, public hearing, and Final EA/FONSI. Mr. Niraula was responsible for overseeing and providing quality control and quality assurance for the environmental documents and public involvement plans for this $32M project. Major challenges included avoidance of a USACE mitigation bank, public controversy with a written petition against the project, multiple targeted public outreaches, and avoidance of disproportionate environmental justice (EJ) impacts.
(01/15 – 04/21)	**GDOT Effingham Parkway, Effingham & Chatham Counties, GA** – Mr. Niraula served as NEPA Lead, overseeing ecological investigations, including resource identification/delineations and impact assessment, QA/QC of the ecology document, and associated permits. The project consisted of overall design, environmental, geotechnical, and bridge-related engineering work for this six-mile-long new location project in Effingham and Chatham Counties.
(05/16 – 10/21)	**West Kingsland Bypass, Camden County, GA** – Mr. Niraula was the Natural Resources Lead. His responsibilities included technical oversight of ecological surveys, resource delineations and impact assessment, and QA/QC of the ecology document and environmental permits.
(01/19 – 01/21)	**Thomson West Bypass (TIA Project), McDuffie, GA** – Mr. Niraula was Environmental Lead, and his responsibilities included discipline and schedule management and coordination with the lead agency (USACE) on Section 404 permit and GA EPD on Stream Buffer Variance.

Meets MPR #5

Firm employed by	ATLAS		
Name	Lee Day, CPG	Years of relevant experience with this employer	2.5
Title	Senior Geologist Remediation	Years of relevant experience with other employer(s)	33
Degree(s) / Years / Specialization	MS / 1987 / Geology BS / 1983/ Geology		
Active registration number / state / expiration date	#357 / LA - n/a		
Year registered: 2014	Discipline: Certified Professional Geologist		
Contract role(s) / brief description of responsibilities	Environmental Site Assessments/Phase 1 ESA – Mr. Day has 35 years of professional geological, hydrogeological, and environmental consulting and project management experience. He has managed over 200 Site assessments, interim corrective actions, and remediation projects over 25+ years. Of these site assessment projects, approximately 80% were risk-based or RECAP-driven, either below RECAP screening standards or achieving site-specific remedial standard (RS). Sites that did not meet RS were subject to soil and/or groundwater remediation or corrective action. He was hydrogeologist for soil/groundwater assessments at various industrial facilities in LA, TX, and MS. He has participated in designing and implementing remedial programs for industry, coordinating quarterly/semiannual groundwater sampling events, regulatory groundwater reporting for several industrial facilities, and regulatory liaison. Responsibilities include various aspects of project management, client relations, coordination of field activities, and preparation of proposals and final reports.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(10/20 – 12/20)	**LDEQ Contract No. 4400017274, Madisonville Wood Preserving Site, Work Order 11.1** - Project Manager responsible for support services that included exhaust fan installation for the removal of vapors from within the water treatment system building.
(12/20 – 02/22)	**LDEQ Contract No. 4400017274, BWS DeQuincy, Work Orders 12.1- 12.3 -** Project Manager responsible for support services consisting of storm damage cleanup/fence repair and landfill cap repair. He was responsible for implementation of ground-penetrating radar (GPR) / electromagnetic (EM) surveys. He prepared a work plan for conducting the geophysical surveys and implemented the Work Plan.
(03/21 – 04/21)	**LDEQ Contract No. 4400017274, Ceramic Shop Tank Farm, Work Order 14.0 -** Project Manager responsible for site visits and review of historical documents. Additional groundwater delineation was recommended before implementing comprehensive groundwater remediation.
(01/21 – 04/22)	**LDEQ Contract No. 4400017274, Southwest Tank Cleaners Site, Work Orders 14.0-14.1** - Project Manager responsible for support services including storm damage cleanup/fence repair and landfill cap repair. Responsible for implementing ground-penetrating radar (GPR)/ electromagnetic (EM) surveys. Prepared a Work Plan for conducting the geophysical surveys and implemented the work plan for site visit and review of historical documents. Recommended soil excavation and disposal Interim Corrective Action to remove soils

	impacted above RECAP standards.
(06/21 – 06/22)	**LDEQ Contract No. 4400017274, Ida Gasoline Petroleum Site, Work Orders 16.0-16.2** - Project Manager responsible for site visit and review of historical documents. Recommended soil washing to remove petroleum hydrocarbons from the subsurface. Prepared an Interim Corrective Action Plan to introduce Ivey Sol product into the uppermost aquifer and remove via vacuum, with disposal of recovered fluids.
(11/08 – 03/10)	**RECAP Evaluation and Interim Corrective Action for Rail Gasoline Release, Southeast LA** - Project Manager 2 responsible for RECAP site assessment and Interim Corrective Action following a gasoline release at a highway crossing. Involved coordinating site access with railroad, collection of soil and groundwater samples. Interim Corrective Action consisted of excavation of impacted soils, and installation of shallow groundwater recovery drain/trench for collection of LNAPL and impacted groundwater.
(06/93 – 03/02)	**RECAP Evaluation Natural Gas Processing Facility, Southwestern LA -** Project Manager responsible for a RECAP Evaluation for a natural gas processing facility in southwestern Louisiana. All COC were eliminated under a MO-1 scenario except for benzene in both soil and groundwater. Natural attenuation was proposed and accepted as the remedial option by LDEQ.
(01/15 – 10/17)	**LDNR 316B Site Closure of Former Well Pad and Tank Battery, Valentine, LA -** Project Manager responsible for LDNR 316B site closure of former well pad and tank battery in Valentine Field, Valentine, Louisiana. Project consisted of an evaluation of existing soil and groundwater data, collection of supplemental soil and groundwater data and preparation of a closure plan for submittal to LDNR. Site remediation consisted of excavation and treatment of soils to a depth of 10 feet below grade. Treatment consisted of soil mixing with hay, fertilizer, and gypsum to reduce the salt parameters to below LDNR closure standards.
(05/10 – 07/15)	**Groundwater Remedial Action at Former Railroad Release Site** - Project Manager responsible for implementation of soil and groundwater remedial action at former railroad release site. Remediation consisted of addition of zero valent iron (ZVI) in combination with amendments to enhance biodegradation of chlorinated organics.
(05/11 – 12/13)	**LDNR 316B and RECAP Site Closure of Two (2) Former Produced Water Pits, Southwest LA -** Project Manager responsible for LDNR 316B site closure, and RECAP soil and groundwater evaluation of historical site impacts. Former pit areas were excavated, and material disposed at a permitted facility. Project involved coordination of assessment and remedial activities between LDNR, LDEQ, and landowner.

Meets MPR #8				
Firm employed by	Gulf South Research Corporation			
Name	Elizabeth Hunt	Years of relevant experience with this employer	5	
Title	Archaeologist / Director	Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization		M.A. / 2017 / Anthropology B.A. / 2012 / Anthropology and History		
Active registration number / state / expiration date		Registered Professional Archaeologist		
Year registered	2017	Discipline	Registered Professional Archaeologist	
Contract role(s) / brief description of responsibilities		Archaeologist - Ms. Hunt joined GSRC as an archaeologist in 2018 and has had several years of experience in Cultural Resource Management (CRM) since completing her B.A in Anthropology in 2012. She has participated in and supervised Phase I cultural resources surveys, National Register Eligibility archaeological site testing, data recovery excavations, and monitoring in 7 states, including Louisiana. She has experience in both prehistoric and historic site evaluation and excavation. She has also analyzed both historic and prehistoric cultural remains for several different projects. Ms. Hunt's experience working with governmental agencies at the local, state, and Federal levels has given her a broad knowledge of Section 106 compliance of the NHPA. Ms. Hunt has completed the Section 106 Essentials course by the Advisory Council on Historic Preservation (ACHP).		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
(02/21-07/21)	**Archaeologist/Project Director. Cultural Resources Survey of 1.9 acre for the proposed Bonita Bridge replacement site, Morehouse Parish, LA.** Ms. Hunt was Project Director and Field Director for the **cultural resources survey** of approximately 1.9 acres in Morehouse Parish, Louisiana. The survey was conducted for LADOTD, on behalf of FHWA, to address proposed replacement site of Union Pacific Railroad Overpass Bridge. Ms. Hunt conducted background and archival research including previously conducted archaeological investigations and previously recorded archaeological sites and historic structures in the region. No archaeological resources were recorded as a result of the investigation. Given the lack of any cultural resources recorded during the survey, a negative findings report was produced for submittal to the Louisiana State Historic Preservation Officer (SHPO) as part of consultation under Section 106 of the NHPA. Ms. Hunt co-authored the negative findings report.
(09/18-01/21)	**Archaeologist/Project Director. Phase I Cultural Resources Survey for the Bienville National Forest Service, Smith, Newton, and Scott Counties, MS.** Ms. Hunt was Project Director for the **cultural resources survey** of approximately 4,017 acres in Smith, Newton, and Scott Counties, Mississippi within the Bienville National Forest. This work was completed in support of proposed logging activities throughout the forest on behalf of the USDA. Prior to fieldwork, Ms. Hunt conducted background and archival research for previously conducted archaeological investigations and archaeological sites. She co-authored the cultural resources survey report submitted to the Mississippi Department of Archives and History, SHPO as part of consultation under Section 106 of the National Register of Historic Places.
(11/17-05/18)	**Archaeologist/Project Director. Phase I Cultural Resources Survey for Irrigation Land Leveling and Related Conservation Practices East of Cypress Creek in Richland Parish, LA.** Ms. Hunt served as the Project Director and Crew Chief for a **cultural resources survey** involving the

	Phase I shovel testing for the proposed land disturbance in agricultural fields to the east of Cypress Creek in Richland Parish, Louisiana. Seven archaeological sites were located and recorded as a result of the survey. These sites were recommended ineligible for the NRHP. Ms. Hunt prepared a cultural resources survey report, which outlined the results of the study with the Louisiana Public Archaeology Lab, ULL on behalf of the NRCS, USDA to be submitted to Louisiana Office of Cultural Development, Division of Archaeology.
(11/17-5/18)	**Archaeologist/Project Director. Cultural Resources Survey for the Willow Lake Site (16MA115) in Madison Parish, LA.** Ms. Hunt was Project Director and Crew Chief for site delineation and **cultural resources survey** for Willow Lake Site in Madison Parish, Louisiana. Based on an agreement between the Louisiana Office of Cultural Development, Division of Archaeology, the USDA, NRCS, and the Choctaw Nation of Oklahoma, an archaeological survey of Willow Lake Site was completed to delineate site boundaries. Based on the horizontal and vertical extent of cultural deposits encountered during shovel testing a site boundary and buffer zone was determined to eliminate any potential destruction of the site. She prepared proper write-up providing information recovered during the survey, while working with the Louisiana Public Archaeology Lab, ULL.
(04/17-11/17)	**Archaeological Technician. Phase I Cultural Resources Survey for the Tombigbee National Forest, MS.** Ms. Hunt participated in Phase I cultural resources surveys within the National Forest. she conducted shovel testing and a pedestrian survey project and assisted the field director with data collection and day-to-day operations.
(09/17-10/17)	**Project Archaeologist. Phase I Cultural Resource Survey and Monitoring the Diamond Pipeline in Central Arkansas.** Ms. Hunt participated in Phase I cultural resources survey and monitoring the construction during the construction of Diamond Pipeline. Ms. Hunt conducted shovel testing and a pedestrian survey in this project and assisted the field director with data collection and day to day operations.
(05/20-Ongoing)	**Archaeologist/Project Director. Intensive Cultural Resources Survey of 16.7 miles for proposed construction and maintenance of Border Barrier and Associated Infrastructure U.S Border Patrol, Laredo Sector, Webb County, TX.** Ms. Hunt served was Project Director for the linear survey of 16.7 miles in Webb County, TX, on behalf of the U.S Border Patrol, Laredo Sector. This survey resulted in relocation and updating of 5 sites (41WB11, 41WB13, 41WB16, 41WB54, 41WB83), the recording of 5 new archaeological sites (41WB940, 41WB979, 41WB980, 41WB981, and 41WB982), and the recording of 3 isolated occurrences (IO-153, IO-197, and IO-199) within the APE. Additional archeological investigations were recommended for 6 of the sites (41WB11, 41WB12, 31WB13, 41WB16, 41WB20, and 41WB979), including deep testing within the corridor and archeological monitoring during construction, to determine if cultural material may be present that could not be identified through the excavation of shovel test pits, and to evaluate the sites for inclusion on the NRHP. Ms. Hunt co-authored the technical report that was submitted to the Texas Historical Commission as part of consultation under Section 106 of the National Historic Preservation Act (NHPA).
(05/22-Ongoing)	**Archaeologist/Principle Investigator. Phase I Cultural Resources Survey of 166 acres for Proposed Green Fuels Bio-Refinery in Caldwell Parish, LA.** Ms. Hunt was Principal Investigator and Field Director for the survey of approximately 166 acres in Caldwell Parish, Louisiana. The survey was conducted on behalf of Eagle Environmental Services, Inc. for proposed location of a Green Fuels Bio-Refinery near Port of Columbia, LA. This survey resulted in the recording of 5 isolated occurrences (IOs), 4 newly recorded archaeological sites (16CA150, 16CA151, 16CA152, 16CA153), the relocation and update of previously recorded archaeological site 16CA80, 7 newly recorded Louisiana Historic Resource Inventory (LRHI) above ground resources (11-00288, 11-00289, 11-00290, 11-00292, 11-00293, 11-00294) and 1 updated LRHI above ground resource (11-00024). None of the newly recorded archaeological sites, IOs, LRHIs, or above ground resources are recommended eligible for the NRHP under any criteria. Ms. Hunt co-authored the technical report that was submitted to the Louisiana DOA.
(04/22)	**Archaeologist/Principle Investigator. Scott Pole Replacement Environmental Analysis: Desktop Cultural Resources Constraints Analysis on behalf of Entergy.** Ms. Hunt was Principal Investigator for the desktop cultural resources constraint analysis for Entergy proposed pole placements in Scott, Louisiana. During background research it was determined that previously conducted archaeological surveys were conducted prior to 2007 and did not meet current Division of Archaeology standards and GSRC suggested that Entergy conduct cultural resource surveys in areas where newly planned pole placement and any associated ground disturbing areas along the power line corridors and the laydown yard occurred.

Meets MPR #8				
Firm employed by	Gulf South Research Corporation			
Name	John Lindemuth		Years of relevant experience with this employer	29
Title	Principal Investigator / Archaeologist		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		M.A. / 1994 / Anthropology B.A. / 1990 / Anthropology / Sociology		
Active registration number / state / expiration date		n/a		
Year registered	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities		Archaeologist - Mr. Lindemuth has 23 years of experience in cultural resource management. He has participated in and supervised intensive cultural resources surveys, NRHP Eligibility archaeological site testing, and data recovery excavations in nine states. He has experience in both prehistoric and historic site evaluation and excavation. He has analyzed both historic and prehistoric cultural remains for several different projects. Mr. Lindemuth's has broad knowledge of compliance with Section 106 of the NHPA through working with governmental agencies at the local, state, and Federal levels. He has supervised and participated in chain of title search for historic properties, cultural resources surveys (Phase I), archaeological site testing (Phase II), and data recovery (Phase III). He also prepares technical reports that outline results of all phases of archaeological investigations as well as agreement documents, such as Memorandums of Agreement (MOAs) and Programmatic Agreements (PAs) and prepares Section 106 Adverse Effects documentation. Mr. Lindemuth is familiar with preparing artifacts and associated records for permanent curation in accordance with curation guidelines, including those published by the Louisiana Division of Archaeology. He is very familiar with conducting Section (4f) evaluations for DOTD and FHWA when highway improvements may potentially affect public parks and recreational areas, waterfowl and wildlife refuges, and historic sites.		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
(08/18-05/20)	**Principal Investigator. Cultural Resources Survey of 12.01 Linear Miles and 20 Grading and Construction Easements for the Proposed Rio Grande City Road Improvement Project, Rio Grande City, TX, Rio Grande Valley Sector, U.S. Customs and Border Protection, Department of Homeland Security, Starr County, TX.** Mr. Lindemuth was Principal Investigator for intensive **cultural resources survey** of 12.01 linear miles of road construction and improvement corridor totaling 57.4 acres. Survey included a pedestrian walkover and excavation of shovel test pits. Survey identified 14 new archaeological sites, revisited and updated two previously identified archaeological sites, and recorded 12 isolated occurrences. Four of 16 archaeological sites recorded or updated during surveys were recommended for additional testing to determine eligibility for NRHP. He directed crews in the field, co-authored the cultural resources technical report, and integrated findings in associated NEPA documentation.			
(12/13-12/14)	**Principal Investigator. Phase I Cultural Resources Survey for the Proposed England Airpark Clearing and Grubbing for Wildlife Hazards Control.** Mr. Lindemuth was Principal Investigator for the **cultural resources survey** of 53 acres for proposed clearing and grubbing. Two archaeological sites, 2 standing structures, and 2 isolated finds were recorded during surveys. No sites, standing structures, or isolated finds were recommended			

	eligible for NRHP. Mr. Lindemuth wrote technical report outlining results of study and also integrated results into the EA, which was prepared for the project in compliance with NEPA.
(04/14-10/17)	**Principal Investigator. Archaeological Phase II Testing and Phase III Mitigation and Data Recovery at Two Cultural Resources Sites, The McNutt Plantation (16RA692) and the Weil Property (16RA703), for England Economic and Industrial Development District, Alexandria, LA.** Mr. Lindemuth was the Principal Investigator for the combined Phase II NRHP **archaeological site testing** and Phase III **data recovery** excavations for 2 historic sites located in Rapides Parish, LA. Mr. Lindemuth aided in development of the Research Design and Work Plan, culling agreement, the management summaries for both Phase II and Phase III work, Memorandum of Agreement to address adverse impacts on sites, and the combined Phase II and III technical report. Project recovered over 3,000 artifacts dating from middle 19th to 20th century found in association with multiple features including foundation piers and a belowground cistern. Production of management summaries allowed for expedited project review to proceed during final cultural resources report completion.
(07/07-01/16)	**Principal Investigator. Phase I Survey of the proposed I-69 Corridor, Caddo and Bossier Parishes, LA**. Mr. Lindemuth was Principal Investigator and supervised the field investigations during the Phase I **cultural resources survey**. Multiple phases of data collection were were analyzed using GIS and used for planning the project corridor. The sources of data included known archaeological sites, known historic standing structures, area geomorphology, high- and low-probability zones developed by the principal investigator, the geomorphologist, and field director, and results of a standing structure survey of a preferred corridor. Phase I intensive cultural resources surveys were conducted on the alignment selected using these criteria. He directed field investigations and was primary author of the cultural resources survey report, which outlined results of surveys.
(09/22-Ongoing)	**Project Archaeologist. Class III Cultural Resources Survey of 12-Acres for the Proposed Three Points Border Patrol Station Expansion, U.S. Border Patrol Tucson Sector, Pima County, AZ (AZ DOT Project Number: H08801R, Agreement CRA-3308-1), CBP.** Mr. Lindemuth was Project Archaeologist for cultural resources inventory of 12 acres for expansion of U.S. Border Patrol Station located in Three Points, Arizona. Project was conducted in association with SWCA Environmental Consultations under its permit for Arizona State Land. Nine isolated occurrences were noted during surveys, none of which were recommended eligible for the NRHP. He coordinated fieldwork with personnel from both companies and prepared Arizona State Historic Preservation Office Survey Report Summary Form under direction of project's principal investigation.
(03/22-02/23)	**Project Archaeologist. Class I Inventory for Six Proposed Bore Hole Locations at Kartchner Caverns State Park, Cochise County, AZ.** Mr. Lindemuth was principal investigator for a Class I Inventory of proposed bore hole locations in support of a new wastewater treatment facility at Kartchner Caverns State Park. The Class I Inventory included a review of the records in the online AZSITE database as well as virtual records check of the records houses at ARO. The Class I inventory showed the areas for the proposed improvements and bore hole locations were surveyed over 10 years ago and were not done to today's standards. In addition, two previously recorded archaeological sites were found in associated with 2 of the bore hole locations. Given the results of the Class I inventory, it was recommended that the area be subject to a Class III intensive archaeological survey and the two previously recorded archaeological sites be relocated and updated. Mr. Lindemuth prepared the Class I Inventory letter report outlining results of the record search and his recommendations.
(06/21-10/22)	**Project Archaeologist. Environmental Assessment (EA) Hurlburt Field Access Gates Reconstruction, Hurlburt Field, FL.** Mr. Lindemuth was project archaeologist and subject matter expert for an EA's cultural resources section to address potential effects from reconstruction of 5 access gates and reconstruction of a commercial vehicle inspection gate at Hurlburt field. Mr. Lindemuth used existing data, including ICRMP to assess potential impacts to cultural resources from reconstruction of the gates. Mr. Lindemuth prepared the cultural resources section that assessed potential effects of alternatives which would be integrated into the project's EA.
(09/19-11/20)	**Project Archaeologist. Range Environmental Assessment for B-88 Range Complex, TTA I36 Liver Fire Maneuver Area, and C-53a Light Demolition Range, Eglin Air Force Base, FL, USACE, Mobile District.** Mr. Lindemuth was Project Archaeologist and Subject Matter Expert for preparing an REA's cultural resources section to address potential effects of renovation and construction of new training facilities within B-88 Range Complex and C-53A Light Demolition Range. Proposed action included renovation of nine existing facilities and construction of seven new facilities.

Meets MPR #8				
Firm employed by	Gulf South Research Corporation			
Name	Bretton Somers, Ph.D.		Years of relevant experience with this employer	16
Title	Principal Investigator / Archaeologist		Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			Ph.D. / 2007 / Geography M.A. / 2004 / Geography B.A. / 1994 / Communications	
Active registration number / state / expiration date			RPA / 2022	
Year registered	2005	Discipline	Registered Professional Archaeologist	
Contract role(s) / brief description of responsibilities			Dr. Somers joined the team at GSRC as an archaeologist in 2007. His 2007 completion of his doctorate provided him with six years of experience in archaeological research, fieldwork, and GIS analysis. With GSRC, Dr. Somers has supervised and participated in over 50 cultural resources investigations including Section 106, Section 110, and environmental compliance projects in 19 states. Dr. Somers has also worked outside the U.S. in Belize and Cuba. This involvement has provided a broad base of experience in prehistoric and historic archaeology across several regions of North America, has allowed him the opportunity to work with numerous tribal and government agencies at the local, state, and Federal levels, and has given him a broad knowledge of cultural resources laws and regulations.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
03/20-05/20	**Project Manager/Principal Investigator. Phase I Archaeological Investigation of the St. Rose to Norco Pipeline, St. Charles Parish, LA.** Dr. Somers served as project manager and principal investigator for the intensive Phase I **cultural resources survey** of 7.4 miles (75.14 acres) of proposed new pipeline from the International Matex Tank Terminal (IMTT) in St. Rose to portions of Shell's Norco Manufacturing Complex facility in Norco in St. Charles Parish, Louisiana. GSRC conducted the investigation on behalf of Ramboll US Corporation (Ramboll) under Section 106 of the NHPA. The investigation included an intensive Phase I archaeological survey combining pedestrian surface inspection with Shovel test pits excavated along transects using a high probability predictive model. No archaeological sites were recorded during this investigation. No aboveground/built resources over 50 years of age were recorded within or adjacent to the survey area. As a result, no further archaeological investigations were recommended for the project area.
02/13-12/13	**Principal Investigator. Cambridge Energy Floating Liquefied Natural Gas (FLNG) Facility, Plaquemines Parish, Louisiana. Cambridge Energy, LLC is proposing the construction and operation of a FLNG facility on the Mississippi River in Plaquemines Parish, LA.** Cambridge Energy contracted GSRC for the preparation of Resource Reports with sufficient information and analysis for the preparation of an EIS. The selected APE includes dredging from the navigation channel of the Mississippi River into the batture and natural levee on the east bank of the river across from Venice, LA. A portion of the facility extends eastward into the coastal marsh. The cultural resources portion of the investigation involved a terrestrial survey of the high ground portions of the APE, a fan boat inspection of the marsh portion of the APE, and a marine remote sensing survey of the proposed area of dredge activity in the Mississippi River channel. Dr.

	Somers was responsible for coordination with the Louisiana SHPO, background research, assessing required research needs given the fluvial, terrestrial, and marsh landscape, conducting the terrestrial and marsh fieldwork, coordinating with a team of marine archaeologists to perform the marine remote sensing survey, and synthesizing all data collected into the required reports for the project. No cultural resources were discovered in the initial field surveys of the APE.
08/10-11/12	**Principal Investigator. Phase I Cultural Resources Survey for the Proposed Improvements to the New Orleans to Venice Levee Protection Project, Plaquemines Parish, LA, USACE, Vicksburg District.** Dr. Somers served as the principal investigator for the Phase I **cultural resources survey** of approximately 4,208 acres distributed along linear corridors flanking 86.8 miles of the Federal Mississippi River Levee and back levees in lower Plaquemines Parish, LA. The project included restoring, armoring, and accelerated completion of the existing Federal levees on the east bank from Phoenix to Bohemia (15.8 miles of back levee) and on the west bank from St. Jude to Venice (37 miles of back levee and 34 miles of Mississippi River levee) to provide the authorized design grade for storm risk reduction. The project APE included Mississippi River Batture, the protected land between the levees and coastal marsh on the outside of the back levees. The investigation resulted in the recovery of several thousand artifacts and the recording of 43 newly discovered Historic period sites. Of the 43 newly recorded sites, examination of field data and laboratory analysis of artifacts resulted in recommendation of one site as eligible, 29 sites as ineligible, and 13 sites of undetermined eligibility for the NRHP.
09/13-03/17	**Project Manager/Principal Investigator. Naval Air Station (NAS) Meridian Phase II Archaeological Evaluation of Sites 22LD693 and 22LD697, Lauderdale County, MS.** Dr. Somers provided overall administrative oversight for the project, including scheduling; cost management; recruiting, hiring, and supervising necessary personnel; and coordinating with the NAVFAC SE Technical Representative and Cultural Resource Manager at NAS Meridian. Additionally, he served as Principal Investigator, developing the work plan for the investigation, supervising, and participating in fieldwork, and preparing the technical report and Powerpoint™ presentation. This project was conducted under Section 110 of the NHPA of 1966, and with its implementing regulations (16 United States Code [U.S.C.] 470h-2[a]). The investigation included an archaeological survey with shovel testing along transects within an area of 2.7 acres for site 22LD693 and 3.66 acres for site 22LD697 to relocate and delineate the boundaries of the sites. Once the sites were relocated, additional shovel testing was conducted to further define the horizontal and vertical site boundaries and to determine concentration areas of cultural material. Test units measuring 1 meter (m) by 1 m wide and 1 m below ground surface were excavated at each site. This investigation has revealed that sites 22LD693 and 22LD697 consist of sparse scatters of prehistoric artifacts. As sparse artifact scatters, sites 22LD693 and 22LD697 do not possess the data necessary to determine association with Criteria A, B, or C, but could contribute information pertaining to Criterion D. However, neither site exhibited the potential for cohesive cultural deposits that would indicate a significant cultural presence or activities from which additional information could be obtained. Considering the limited nature of findings from this investigation combined with those from the previous investigation of the sites, the information potential for sites 22LD693 and 22LD697 has been exhausted. It was recommended that the NRHP determination for these 2 sites as not eligible was appropriate and no further work was warranted.
09/18-03/22	**Principal Investigator. Highway 86 Checkpoint, CA.** The investigation was conducted in support of a cooperative effort by USACE, Sacramento District, the Central Valley Flood Protection Board, and the Sacramento Area Flood Control Agency to address seepage and stability issues in approximately 42 miles of levee surrounding the Natomas Basin. The project included multiple tiered tasks including a Kickoff Meeting, Records Search and Literature Review, Geoarchaeological Sensitivity Assessment and Testing Plan, Cultural Resources Survey and development of an Evaluation Plan, development of a Historic Properties Treatment Plan, and Evaluation Testing. Dr. Somers served as project manager and principal investigator for this project and provided overall administrative oversight for the project including scheduling, cost management, supervising necessary personnel and coordinating with the Sacramento District Archaeologist.

Meets MPR #8

Firm employed by	ATLAS		
Name	Lauren Cook, MA, RPA	Years of relevant experience with this employer	1
Title	Senior Archeologist	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization		MA / 2014 / Anthropology BA / 2009 / Anthropology	
Active registration number / state / expiration date		Register of Professional Archaeologists #18066	
Year registered	n/a	Discipline	Historic Transportation, Landscape Archaeology, and Historic Glass
Contract role(s) / brief description of responsibilities		Ms. Cook will serve as Environmental and NEPA Studies - Historic / Cultural. She is a Senior Archaeologist and a Registered Professional Archaeologist (RPA) with more than 14 years of experience performing Cultural Resource Management (CRM). Her specializations include historic transportation, landscape archaeology, and historic glass. Ms. Cook identifies and manages archaeological sites and historic properties under Section 106 and Section 110 of the National Historic Preservation Act (NHPA). She performs due diligence to ensure compliance with standards and guidelines for archaeological resource management studies established by State DOTs and complex programmatic agreements. She performs internal quality assurance/quality control review for consultant reports for submission to State DOTs. Ms. Cook is proficient in using ArcGIS Pro and ArcMap to create complex maps and geodatabases. She uses GPS units, topographic maps, and other tools to identify and map archaeological sites and historic properties.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(08/22)	**Phase I Archaeological Survey of Effingham Parkway Roundabouts, Effingham County, GA** – Ms. Cook was responsible for oversight and execution of archaeological investigations, including resource identification/delineations and impact assessment, production of results maps, and production and submittal of final archaeology documents.
(03/22)	**Phase I Archaeological Survey of US 84 Connector, Liberty County, GA** – Ms. Cook was responsible for oversight and execution of archaeological investigations, including resource identification/delineations and impact assessment, production of results maps, and production and submittal of final archaeology documents.
(01/21)	**Phase I Archaeological Survey of State Route 166 Bridge Replacement at Big Indian Creek, Carroll County, GA** – Ms. Cook was responsible for researching, mapping, and writing a report on a Phase I investigation along SR 166 for potential bridge replacement over the Big Indian Creek west of Bowdon, Georgia. She led a crew of four in conducting a field investigation, excavating, and documenting results.
(08/17)	**Phase I Archaeological Field Investigations for the Porterdale Trail, Newton, GA** – Ms. Cook met with local officials before conducting an on-site investigation, including visual inspection, testing, and documentation of the project area.

DOTD FORM: 24-102

Firm employed by	Gulf South Research Corporation		
Name	Eve Carter	Years of relevant experience with this employer	4
Title	Archaeological Field Technician	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization		BA / 2017 / Anthropology	
Active registration number / state / expiration date		Registered Archaeologist	
Year registered	2020	Discipline	Registered Archaeologist
Contract role(s) / brief description of responsibilities		Archaeological Technician - Ms. Carter's professional experience includes Phase I and II survey and testing in the northeastern and southeastern United States including Louisiana, Mississippi, Texas, New Jersey, Vermont, New Hampshire, and Maine. She has been involved in cultural resource management projects servicing State Parks and National Forests, surveying for major roadway maintenance projects and powerline corridors, and surveying land for the United States military. Projects include large-scale Phase I surveys in Bienville and Homochitto National Forests in Mississippi. Smaller scale Phase I surveys include assisting in expansion efforts for the Dallas-Fort Worth National Cemetery in Texas, surveying land for highway expansion in New Hampshire, and surveying land for solar farm conversions in Maine. She has been involved in Phase II investigations for the Joint Base McGuire-Dix-Lakehurst in New Jersey and for the United States government along the Texas-Mexico border. Ms. Carter has experience as a field technician and as a crew chief, as well as working in a laboratory and office setting. She has assisted on projects working with governmental agencies at the state and federal levels, giving her a familiarity with Section 106 compliance of the NHPA. She has been trained to use both Trimble and Garmin GPS systems as well as having training with ArcGIS. She has conducted artifact processing and analysis and assisted in the writing of technical reports.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
(04/20-10/20)	**Archaeological Field Technician, Phase I Intensive Archaeological Investigation of the St. Rose to Norco Pipeline, St. Charles Parish, LA.** Ms. Carter was involved in a Phase I **cultural resources survey** with Gulf South Research Corporation. She conducted shovel testing and a pedestrian survey for this project and assisted the field director with data collection and validation.
(06/20-9/20)	**Archaeological Field Technician. Phase II NHRP Archaeological Testing of 9 Sites in Starr County, TX.** Ms. Carter was involved in a Phase II **archaeological site testing** with Gulf South Research Corporation where she participated in the hand excavation of test units and artifact recovery associated with nine sites to determine their eligibility for the National Register of Historic Places.
(01/20-06/20)	**Archaeological Field Technician. Phase I Cultural Resources Survey for a Fixed Remote Surveillance Tower Sites in Brooks, Kenedy, Hidalgo, and Starr Counties, TX.** Ms. Carter was involved in a Phase I **cultural resources survey** with Gulf South Research Corporation. She conducted shovel testing and a pedestrian survey in this non-collection project and assisted the field director with day-to-day operations and data collection and validation.
(09/19-02/20)	**Crew Chief, Phase I Cultural Resources Survey of 4,017 acres for the Bienville National Forest Service, Smith, Newton, and Scott County, MS.** Ms. Carter served as a crew chief with GSRC for a Phase I **cultural resources survey**. Leading crews in the field, she assisted the field director in day-to-day operations and data collection and validation. She participated in shovel testing, artifact recovery, and conducted site boundary

	delineations. Ms. Carter assisted in the analysis of historical materials as well as contributing to the cultural resources survey report.
(03/19-12/19)	**Archaeological Field Technician. Phase I Cultural Resources Survey of 38 Acres for the Proposed Dallas-Fort Worth Cemetery Expansion and Development Project, Dallas-Fort Worth, TX.** Ms. Carter was involved in a Phase I **cultural resources survey** with GSRC. She conducted shovel testing and a pedestrian survey in this project and assisted the field director with day-to-day operations and data collection and validation.
(10/19)	**Archaeological Field Technician. Hurricane Michael Recovery Phase I Archaeological Survey at Tyndall Air Force Base, Bay County, FL.** Ms. Carter was involved in a Phase I **cultural resources survey**. She conducted shovel testing and artifact recovery in this project.
(10/18-04/19)	**Archaeological Field Technician, 2018-2019. Phase I Cultural Resources Survey of 4,980 acres for the Bienville National Forest, Scott County, MS.** Ms. Carter was involved in a 4,000+ acre Phase I **cultural resources survey** with Gulf South Research Corporation. She conducted shovel testing, artifact recovery, and site delineation. She repaired field gear when necessary and assisted the field director with day-to-day operations and data collection and validation.
(09/22-Ongoing)	**Archaeological Field Technician. Cadillac Heights Monitoring, TX**. Eve was involved in with Gulf South Research Corporation to identify cultural resources that may be impacted by the planned levee expansion project. She conducted monitoring of all boring activities to ensure no sensitive archaeological cultural resources were inadvertently harmed.
(04/21-10/21)	**Archaeological Field Technician. Addendum 1: New Additions to the Phase I Cultural Resources Survey for the Proposed Replacement Site of the Union Pacific Railroad Overpass Bridge on US 165 Near Bonita, Morehouse Parish, LA.** Eve was involved in a Phase I cultural resources survey with Gulf South Research Corporation in order to identify cultural resources that may be impacted by the replacement of the Union Pacific Railroad Overpass Bridge on U.S. Route 165 near Bonita, LA. They conducted shovel testing and pedestrian survey in this project and assisted the field director with data processing. Eve also conducted and compiled research for the project report.
(10/20-02/22)	**Archaeological Field Technician. Phase I Archaeological Investigation of 54 Acres for the Louisiana Correctional Institute for Women (LCIW) in Iberville Parish, St. Gabriel, LA.** Eve was involved in a Phase I cultural resources survey with Gulf South Research Corporation to identify cultural resources that may be impacted by the construction of the proposed Louisiana Correctional Institute for Women. The field crews conducted shovel testing and pedestrian survey at this project site and assisted the field director with data processing.
(04/23- Ongoing)	**Sensitive Resources Monitor. San Diego 15 "Remediation Activities" Environmental Monitoring.** Eve performed cultural and biological resource monitoring during road improvements to segments of the Border Road directly north of the international border barrier. Eve was responsible for surveying the project corridor to identify sensitive cultural and biological resources that could be impacted by construction activities, implemented best management practices for environmental protection, and provided guidance to construction workers during daily operations.
(05/20- Ongoing)	**Archaeological Field Technician. Intensive Cultural Resources Survey of 16.7 miles for the proposed construction and maintenance of Border Barrier and Associated Infrastructure U.S Border Patrol, Laredo Sector, Webb County, TX.** Eve was involved in a Phase I cultural resources survey with Gulf South Research Corporation to identify cultural resources that may be impacted by the construction of a border barrier and associated roads. The field crews conducted shovel testing and pedestrian surveys on the proposed project area and assisted the field director with data processing. Eve also conducted and compiled research for the technical report.
(02/20—Ongoing)	**Archaeological Field Technician. Cultural Resources Survey of 46.2 Miles of 200-Foot-Wide Corridor for New Bollard Wall Construction Totaling Approximately 1,120 Acres, Rio Grande Valley Sector, U.S. Customs and Border Protection Department of Homeland Security Starr and Hidalgo Counties, TX.** Eve was involved in a Phase I cultural resources survey to identify cultural resources that may be impacted by the proposed new bollard fence construction within the Rio Grande City (RGC) and McAllen (MCA) Station Areas of Responsibility of the U.S. Customs and Border Protection. Eve assisted in the field verification of data collected during the survey and conducting the background research for the production of the cultural resources technical report.

Meets MPR #9			
Firm employed by	Gulf South Research Corporation		
Name	Alexis Thomas	Years of relevant experience with this employer	9
Title	Architectural Historian	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	MS / 2016 / Urban Studies MPS / 2009 / Preservation Studies BA / 2007 / Art History		
Active registration number / state / expiration date	n/a		
Year registered	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities	Architectural Historian - Ms. Thomas has supervised **cultural resource surveys** in LA, FL, NY, CA, MS, AL, TX, NV, and Cuba. She has conducted **cultural resource surveys** for Department of Defense, Bureau of Reclamation, U.S. Forest Service, U.S. Customs and Border Protection, and USACE. She will be the Architectural Historian responsible for the **Historic American Building Survey (HABS)/Historic American Engineering Record (HAER)/Historic American Landscapes Survey (HALS)**.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
(11/21-04/22)	**Architectural Historian. Historic Structures Survey for Harborside Development at Hidden Harbour, Pompano Beach, Broward County, FL.** GSRC was contracted to provide a **standing structures (architectural)/built environment survey** and analysis of resources that may be impacted by proposed construction of Harborside Development at Hidden Harbour Marina, a Department of Housing and Urban Development project. Harborside development included a 3-story, 4-story, 6-story, 8-story, and 9-story building, with additional on-site improvements. GSRC developed the Area of Potential Effect (APE), the reconnaissance survey of project area, documentation and evaluation of 8 resources, and assessment of effects on any eligible resources.
(01/16-06/21)	**Architectural Historian. Historic American Building Survey (HABS) Documentation, Historic Landscape Report and Exhibits. Ft. Hood, TX.** Ms. Thomas was the Architectural Historian and conducted a **HABS** Level II Documentation of Reynolds House at Ft. Hood. She developed a Historic Report of Reynolds House of Fort Hood, which documented history of the house, details of interior and exterior of the building, renovations, and layout. Following **HABS** documentation and **HALS** report she helped develop interpretive exhibits outlining history/significance of both Reynolds House and Hood Army Heliport.
(10/20)	**Architectural Historian. Cultural Resource Survey and Viewshed Analysis Report for the 1006 and 1008 Skyland Drive Pier Project, Douglas County, NV. Far Western Anthropological Research Group, Inc., Carson City, NV.** Ms. Thomas was contracted to provide a cultural resource assessment of built environment resources in advance of the rebuild and extension of a one pier near Glenbrook in Douglas County, Nevada. This project was completed to meet the U.S. Army Corps of Engineer's Section 106 compliance for federal permits.
(02/15-10/15)	**Architectural Historian. Section 110 Architectural Survey of 29 Historic Structures at Naval Air Station Kingsville, Phase II, Kingsville, TX.** Ms. Thomas was the Architectural Historian and conducted a **standing structures (architectural)/ built environment survey** in compliance with

	Section 110 of the National Historic Preservation Act (NHPA) of 1966, as amended, for Naval Air Station Kingsville (NAS Kingsville). Ms. Thomas conducted an assessment and evaluation of structures that had reached 45 years of age, or older, and had not been previously evaluated; were considered a Cold War-era resource and were potentially eligible for inclusion in the National Register under Criteria Consideration G; and were considered a historic or cultural landscape.
(04/14-11/14)	**Architectural Historian. Section 110 Architectural Survey of 75 Historic Structures at Naval Air Station Pensacola, Pensacola, FL.** Ms. Thomas was Architectural Historian and conducted a **standing structures (architectural)/ built environment survey** of the built environment in compliance with Section 110 of the NHPA of 1966, as amended, for Naval Air Station Pensacola, including areas of Corry Station and Saufley Field. She conducted an assessment and evaluation of structures that were 45+ years of age and had not been previously evaluated.

DOTD FORM: 24-102

Firm employed by	Gulf South Research Corporation		
Name	Christy Guempel	Years of relevant experience with this employer	6
Title	GIS Analyst	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization		BS / 2003 / Geography	
Active registration number / state / expiration date		n/a	
Year registered	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities		GIS Analyst - Ms. Guempel has over 14 years of professional experience as a geographic information systems (GIS) analyst and seven years of professional experience as a GIS supervisor/trainer. Ms. Guempel's environmental background includes working on projects involving coastal restoration, cultural resources, emergency response, environmental assessment, environmental remediation, litigation support, planning, permitting, wetland delineations, and wildlife habitat. Her responsibilities include geodatabase design and data entry, coordinate conversion, cartographic design, georeferencing, digitizing, spatial analysis, image interpretation, and supervised classification. Ms. Guempel is proficient in ESRI's suite of software version 10.6 and below. She has experience with light detection and ranging (LiDAR) analysis using Global Mapper software. She is also experienced with GPS equipment/software, such as ArcGIS Collector, Pathfinder Office, and Terrasync.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
(07/21-12/22)	**Senior GIS Analyst. Environmental Support for the Laredo Soft Sided Facility (SSF) in Laredo, Webb County, TX.** GSRC was contracted to conduct a phase I **cultural resources survey** of approximately 31 acres in Laredo, Texas. Ms. Guempel georeferenced and digitized previous archeological investigations and surveys within one mile of the survey area. She also georeferenced a series of historical aerials showing the survey boundary. She processed Trimble GPS data collected in the field and created the maps presented in the report.
(10/20-02/22)	**Senior GIS Analyst. Louisiana Phase I Archaeological Investigation of 54 Acres for the Louisiana Correctional Institute for Women (LCIW) in Iberville Parish, St. Gabriel, LA.** GSRC was contracted to conduct a **cultural resources survey** of 54 acres of land for proposed construction of the Louisiana Correctional Institute for Women (LCIW) on behalf of Grace Hebert Curtis Architects and U.S. Department of Homeland Security Federal Emergency Management Agency (FEMA), Region VI. Ms. Guempel processed the shovel test pit GPS data. Following field notes and hand drawn plots, she digitized the shovel test pits (STPs) for the delineation of the archaeological site found on the property. She georeferenced and digitized the previous archaeological survey and sites conducted within a one-mile buffer of the project area. She created the figures presented in the report.
(04/19-01/21)	**Senior GIS Analyst. Phase I Cultural Resources Survey of 4,017 Acres for the Bienville National Forest Service, Smith, Newton, and Scott County, MS.** GSRC was contracted by the United States Department of Agriculture Forest Service to conduct an intensive Phase I **cultural resources survey** of approximately 4,017 acres in Smith, Newton, and Scott Counties, Mississippi within the Bienville National Forest Service. Ms. Guempel was responsible for GIS analysis, cartographic design, development of all maps for the report, and supervised the completion of the GIS geodatabase.
(09/18-11/19)	**Senior GIS Analyst. Phase I Cultural Resources Survey for the Bienville National Forest Service, Scott County, MS.** GSRC was contracted by the United States Department of Agriculture Forest Service to conduct an intensive Phase I **cultural resources survey** of 4,980 acres among 81 units across 21 Compartments within the Bienville National Forest in support of the proposed Timber Sale Project in Scott County, Mississippi. Ms. Guempel provided GIS analysis of the field data, cartographic design, set-up the geodatabase schema, and created all maps presented in the report. She also supervised the completion of the GIS geodatabase deliverable.

(09/14-09/19)	**GIS Analyst. Phase II (Cultural Technical Report) Environmental Planning Support for Rio Grande Valley Remote Video Surveillance System Program Update, U.S. Customs and Border Protection, Rio Grande Sector. U.S. CBP.** Ms. Guempel created the maps presented in the cultural resources technical report for the **archaeological site testing** of six archaeological sites discovered during the Phase I **cultural resources survey**. Along with creating the figures in the report, she also created the trench and test unit profile cross sections by georeferencing and digitizing the hand drawn grid field maps using ArcMap.
(03/18-06/18)	**Senior GIS Analyst. Phase I Cultural Resources Survey of 55 Acres for Proposed Obstruction Removal, Allen Parish Airport, Allen Parish, LA.** GSRC personnel conducted a Phase I **cultural resources survey** of 55 acres for proposed obstruction removal for the Allen Parish Airport in Allen Parish, Louisiana. Ms. Guempel assisted with this project by providing GIS analysis and cartographic design. She mapped the project location, overlaid NRCS soils data, and georeferenced the 30 x 60 Geological Quadrangle for the project area, along with creating maps for the cultural resources survey report.
(09/18-10/20)	**Senior GIS Analyst. Phase I Archaeological survey of 330 acres at the Townsend Bombing Range, McIntosh and Long County, GA.** GSRC was contracted to conduct a Phase I archaeological survey of approximately 330 acres in McIntosh and Long Counties within the Townsend Bombing Range Area. Ms. Guempel pre-plotted over 1,400 shovel test pit points withing the survey area to help the Project Director and field crew conduct the field survey. She processed the shovel test pit GPS data. Following hand drawn plots, she digitized the STPs for the delineations of potential sites found within the survey area. She georeferenced and digitized the previous archaeological survey and sites conducted within a one-mile buffer of the project area. She created the figures presented in the report.
(09/19-10/21)	**Senior GIS Analyst. Phase I Archaeological survey of 398 acres at the Harvey Point Defense Testing Activity Area, Perquimans County, NC.** GSRC was contracted to conduct a Phase I archaeological survey of approximately 398 acres in Perquimans County within Harvey Point Defense Testing Activity Area. Ms. Guempel processed the Trimble GPS field data collected in the field. She digitized the delineation STPs for the seven sites found within survey area using the hand-drawn field maps and digitized the proposed new archaeological boundaries for site. She created the figures presented in report.
(03/22-Ongoing)	**Senior GIS Analyst. Phase I Cultural Resources Survey of 166 acres for a Proposed Green Fuels Bio-Refinery in Caldwell Parish, LA.** GSRC was contracted by Eagle Environmental Services, Inc. to conduct a phase I archaeological survey near the Port of Columbia, LA in Caldwell Parish. Project survey was approximately 166 acres. Ms. Guempel created pre-plotted STPs to assist with the field survey. She also created an ArcGIS Collector map to collect data in the field. She georeferenced and digitized all previous investigation archaeological data from the LA archaeology web site within one mile of the project area. She processed all GPS field data. She created all figures presented in the report using the field data and hand-drawn delineation field maps.
(05/22-10/22)	**Senior GIS Analyst. Maurice Environmental Analysis: Desktop Cultural Resources Constraints Analysis.** Ms. Guempel assisted with this project by mapping the proposed new and replacement poles. She georeferenced and digitized the previous archaeological sites and surveys that intersected the project area. She created the figures presented in the findings report.
(03/21-Ongoing)	**Senior GIS Analyst. Eagle Environmental Wetland Delineation, LA.** GSRC was contracted by Eagle Environmental to perform wetland delineations on multiple parcels of land in Port of Columbia, Louisiana. Ms. Guempel assisted by mapping the field verified wetland data for the Hatten-Car and Little River tracts and created all figures presented in the two reports.
(03/18-1019)	**Senior GIS Analyst. Wetland Delineation for Proposed West Hackberry Strategic Pipeline Right-of-Way, Cameron Parish, LA.** GSRC was tasked to perform a wetland delineation, produce wetland findings report, and coordinate with the USACE to obtain a jurisdictional determination. The project corridor project was approximately 2.1 miles and totaled 21 acres of wetland survey area. Ms. Guempel processed all Trimble GPS data using Pathfinder Office of all data collected in the field. She created the approved USACE location, soils, and wetland delineation findings maps for the report.

Meets MPR #8

Firm employed by	Gulf South Research Corporation		
Name	Mark Hathorn	Years of relevant experience with this employer	3
Title	Archaeological Technician	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		B.A. / 2017 / Anthropology	
Active registration number / state / expiration date		Registered Archaeologist	
Year registered	2020 Discipline	Registered Archaeologist	
Contract role(s) / brief description of responsibilities		Field Technician / Crew Chief - Mr. Hathorn's professional experience as a field technician and as a crew chief includes cultural resources management projects servicing State Parks and National Forests, site damage assessment and mitigation projects, surveying for roadway maintenance projects, and surveying land for the U.S. Military. Projects include large-scale Phase I **cultural resources surveys** in Tombigbee, Holly Springs, Bienville, Desoto, and Homochitto National Forests in MS, in south TX along the Rio Grande, and Ocala and Osceola National Forests in FL. Phase I **cultural resources surveys** of parcels in Ascension and Iberville Parishes for proposed new construction projects, and surveys for Harvey Point Base in NC, and Townsend Bombing Range in GA, as well as land surveys for the United States Government in upstate NY. He has been involved in Phase II **archaeological site testing** investigations for the Alabama Army National Guard, and in the city of New Orleans at Iberville, as well as Phase II **archaeological site testing** in Starr County, TX.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
04/22-Ongoing	**Archaeologist/Archaeological Field Technician. Phase I Archaeological Survey of 130 Acres for the Cadillac Heights Levee, Dallas County, TX.** Mr. Hathorn served as an archaeological field technician for a Phase I **cultural resources survey** to identify cultural resources that may be impacted by the proposed Cadillac Heights Levee within the Dallas Floodway Extension within the upper Trinity River Watershed, along the Trinity River. Systematic shovel testing and pedestrian surveys were carried out for this project. Mr. Hathorn also conducted and compiled research for the cultural resources survey technical report, as well as co-authored the built environment historic context.
05/22-Ongoing	**Archaeological Field Technician. Phase I Cultural Resources Survey in Caldwell Parish, LA.** Mr. Hathorn is served as an archaeological field technician and contributed to the final report of a Phase I **cultural resources survey** to identify cultural resources that may be impacted by the proposed construction and operation of a new Louisiana Green Fuels Bio-Refinery near the Port of Columbia, Louisiana. The field surveys included systematic shovel testing and pedestrian surveys.
01/22-05/22	**Archaeological Field Technician. Phase I Cultural Resources Survey of 1 Acre for the Ursula Parking Lot Land Purchase in McAllen, Hidalgo County, TX.** Mr. Hathorn served as an archaeological field technician for the **cultural resources survey** of approximately 1 acre in McAllen, Texas. The survey was conducted on behalf of U.S Customs and Border Protection for the proposed development of a parking lot to accommodate the existing and adjacent McAllen Centralized Processing Center (CPC). A pedestrian walkover utilizing 5-meter intervals and the excavation of 2 shovel test pits were caried out during this survey. No cultural materials were recovered.
10/20-02/22	**Archaeological Field Technician. Phase I Archaeological Investigations of 54 Acres for the Louisiana Correctional Institute for Women (LCIW) in Iberville Parish, St. Gabriel, LA.** Mr. Hathorn was involved in a Phase I **cultural resources survey** with GSRC. He conducted shovel testing and a pedestrian survey in this project and assisted the field director with data collection and day to day operations. Mr. Hathorn also assisted in artifact analysis, as well as cataloging and photographing recovered artifacts.

10/20	**Archaeological Field Technician. Phase I Archaeological Investigation of .55 Acres for the Proposed Retaining Wall, Ascension Parish, LA.** Mr. Hathorn was involved in a Phase I **cultural resources survey** with GSRC. He conducted shovel testing and pedestrian survey. The objective of this investigation was to determine the presence/absence of archaeological resources across the survey area. A total of 9 shovel test pits were excavated. No new sites were recorded within the project area, one previously recorded site (16AN15) was updated.
01/20-10/20	**Archaeological Field Technician. Phase I Cultural Resources Survey for the Desoto National Forest, Wayne County, MS.** Mr. Hathorn was involved in a Phase I **cultural resources survey** with Wiregrass Archaeological Consulting. He conducted shovel testing, artifact recovery, and led site boundary delineations. He repaired field gear when necessary and assisted the field director with day-to-day operations and data recovery.
07/19-01/21	**Crew Chief/Archaeological Field Technician. Phase I Cultural Resources Survey for the Bienville National Forest Service, Smith, Newton, and Scott County, MS.** Mr. Hathorn served as a crew chief with GSRC for a Phase I **cultural resources survey**. Leading crews in the field, he assisted the field director in day-to-day operations and data collection efforts. He participated in shovel testing, artifact recovery, and conducted site boundary delineations. Mr. Hathorn assisted in the analysis of historical materials as well as contributing to the cultural resources survey report.
05/20- Ongoing	**Crew Chief/Archaeological Field Technician. Intensive Cultural Resources Survey of 16.7 miles for the proposed construction and maintenance of Border Barrier and Associated Infrastructure U.S Border Patrol, Laredo Sector, Webb County, TX.** Mr. Hathorn served as a crew chief with GSRC for a Phase I cultural resources survey. Leading crews in the field, he assisted the field director in day-to-day operations and data collection efforts. He participated in shovel testing, artifact recovery, and conducted site boundary delineations. Mr. Hathorn assisted in the analysis of historical materials as well as contributing to the background research and preparing sections for the cultural resources survey technical report.
10/20-5/21	**Curatorial Assistant. Artifact Curation for Testing and Data Recovery for clearing and grubbing of 302 acres at England Airpark. Alexandria, Louisiana.** Mr. Hathorn assisted the archaeological laboratory director in preparing artifacts and associated documents for curation at the State of Louisiana curation facility in Baton Rouge, Louisiana. This includes properly bagging and labeling artifacts to the repository standards, preparing curation boxes, organizing associated documents, as well as photo documenting culled artifacts and cultural materials that are included in the deliverables for curation.
04/20-10/22	**Archaeological Field Technician. Phase I Archaeological Investigation of the Greenfield development on Robert Brothers' farm in St. John the Baptist Parish, LA.** Mr. Hathorn was involved in a Phase I cultural resources survey. He conducted shovel testing and pedestrian survey in this project and assisted the field director with data recovery and day to day operations. Mr. Hathorn also assisted in artifact processing and analysis. GSRC was contracted to survey additional acreage to address a revised layout of the original project area resulting in an Addendum to the initial Phase I Archaeological investigation. Mr. Hathorn helped to prepare the public version of the Phase I Archaeological investigation technical addendum report.

Firm employed by	ATLAS		
Name	Robert Harbin, GISP	Years of relevant experience with this employer	22
Title	GIS Manager	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	BBA / 1998 / Business Management		
Active registration number / state / expiration date	GIS #39396 / Georgia / 4-25-2025 FAA Section 107 Certified Remote Pilot #4232263		
Year registered	n/a	Discipline	Geographic Information Systems
Contract role(s) / brief description of responsibilities	Project Mapping / GIS - Mr. Harbin's role will be Project Mapping / GIS. He has more than 25 years of experience developing geographic information systems, data management, and planning information technology for government and private enterprises. His GIS experience ranges from data generation to performing user needs assessments, developing enterprise-wide data development solutions, applications, and administering web-based/geospatial cloud digital data solutions. He works in Atlas's environmental services department, where he manages the workflow of all electronic field data collected by technicians using GPS. He also generates GIS graphics that support all aspects of environmental documents, including history, jurisdictional waters, floodplain, and general project location maps. Mr. Harbin also uses GIS to support other areas of the organization, such as transportation planning, hydrology, survey, and traffic. Harbin has assisted in the development of project-level applications for a variety of engineering and environmental studies. In previous employment, Harbin worked as a GIS coordinator managing the City of Barnesville, Georgia's GIS. Harbin uses ArcGIS Pro 2.x, ArcGIS 10.x, and ArcGIS Field Apps (Field Maps, Workforce, Survey123, Collector, and Explorer), ArcGIS Online (Web Maps, Dashboards Storymaps, and more), and Nearmap, Google Earth Pro, as well as Trimble GPS Systems and Pathfinder Office Software.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(03/01 – 06/20)	**I-16/I-75 Interchange Improvement Project, Macon, GA –** Mr. Harbin assisted in developing a web-based GIS project application, displaying construction concepts and environmental information. He assisted in developing presentation graphics and displays for the public involvement phase of the project.
(06/22 – Present)	**Capital Area Transit System (CATS) Transit Asset Inventory and Inspection -** Database design and field mobile mapping application deployment to locate, inspect, and report on over 1500 CATS Bus Stops in Baton Rouge, LA to document conditions and ADA compliance to combine with ridership analysis for improving the efficiency of the transit system.
(05/01 – 08/03)	**Macon-Atlanta Rail Corridor Project –** Mr. Harbin created entire corridor mapping in support of environmental assessment as well as using GIS to create and analyze noise and vibration data.

(03/05 – 02/06)	**I-85 Corridor Feasibility Study –** Creation/updating of major transportation elements of Gwinnett County, Georgia to be used in comprehensive transportation study.
(10/08 – 12/10)	**Atlanta to Chattanooga High Speed Ground Transportation Study –** Mr. Harbin performed environmental constraint mapping for 12 alternatives. Data acquisition/collection, conversion, and integration for all study corridor counties.
(03/21 – 09/22)	**Henry County Stormwater Inventory –** Project ArcGIS Online administration including database design and field mobile mapping application deployment supporting mapping grade collection of all unincorporated Henry County's stormwater system utilizing ESRI based mobile mapping solutions.
(04/19 – 06/21)	**Union City Sanitary Sewer Inventory –** Mr. Harbin was responsible for database design and field mobile mapping application deployment supporting mapping grade collection of Union City's sanitary sewer system (manholes & conveyances) utilizing ESRI based mobile mapping solutions.
(03/20 – Present)	**DeKalb County Sanitary Sewer Easements –** Project management overseeing the data generation of sanitary sewer easements utilizing right-of-way research for integration into DeKalb County GIS.
(10/19 – 12/19)	**Walmart Drone Flights (Pilot Program) –** Mr. Harbin was a Drone Pilot in Command for three Arizona Walmart Stores developing high resolution aerial photography/mapping for parking site evaluation for potential remarking of pavement to maximize overbuilt parking layout.
(08/19 – 2/20)	**GDOT District 6 Schools – Driveway Pavement Condition Inspections & Inventory –** Mr. Harbin was responsible for data management of 280 school driveway's pavement conditions spanning 17 counties, mapping workflow from field data collection to QC/QA, through project deliverable of a web based cartographic application containing the school driveway pavement rating conditions data.
(12/02 – 10/03)	**Gwinnett County, GA – Storm Water Inventory –** Mr. Harbin was responsible for database management of over 11,000 storm water structures as well as corresponding linear features. Data attribute QA/QC from field to deliverable of GPS data for integration into Gwinnett County geodatabase.
(06/98 – 03/01)	**GIS Coordinator, City of Barnesville, GA –** Mr. Harbin managed citywide GIS and was responsible for creation, maintenance, and quality control of city data layers including utilities, parcels, building footprints, street centerlines, edge of pavement, boundaries, and address records.

Meets MPR #7				
Firm employed by	Gulf South Research Corporation			
Name	Howard Nass		Years of relevant experience with this employer	23
Title	Senior Biologist / NEPA		Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization		BS / 1990 / Forest and Wildlife Management		
Active registration number / state / expiration date		n/a		
Year registered	n/a	Discipline	n/a	
Contract role(s) / brief description of responsibilities		Senior Biologist / Wetlands - Mr. Nass has 34 years of experience managing and implementing NEPA and NEPA-related studies for various federal, state, and private entities. He has participated in EAs, BAs, EIS, **wetland determinations and delineations**, **wetland mitigation bank** development, water resources permitting, and natural resources projects throughout southeastern U.S. He has managed completion of over a dozen BAs in various states. Mr. Nass has taken the NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making". Certifications: US Fish and Wildlife Service (USFWS) Interagency Consultation for Endangered Species, 2006; **Basic Wetland Delineation Course, Wetland Training Institute, 1992; Nationwide Wetland Permits, Wetland Training Institute, 1997**		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).
(06/13-12/19)	**Project Manager. Interstate 12 (I-12) to Bush Mitigation Plan, LA 3241, St. Tammany Parish, Louisiana.** Mr. Nass was the Project Manager for the Bush Mitigation Project. GSRC was contracted by DOTD to prepare a mitigation plan for unavoidable impacts on jurisdictional wetlands associated with the construction of the Interstate 12 (I-12) to Bush highway in St. Tammany Parish, Louisiana. The mitigation of unavoidable impacts on jurisdictional wetlands is required by Section 404 of the Clean Water Act. As part of the contract, GSRC researched best methods for identifying mitigation measures for projects similar in scope to the I-12 to Bush highway and project and preparing a mitigation report for DOTD. This report provides the methodology used by GSRC to identify best methods for identifying mitigation measures for projects similar in scope, research findings, and recommended best practices for wetland mitigation. GSRC's research provided mitigation practices used by other state departments **to streamline the USACE Section 404 permitting process** and mitigation requirements associated with approval of a Department of the Army individual permit and to reduce costs and liability.
(03/16-12/18)	**Project Manager. Maringouin Wetland Delineations and Section 404 Permitting.** GSRC was contracted to conduct a wetland delineation on a portion of land in Iberville Parish, Louisiana, for the proposed construction of outfall drainage improvements. The existing drainage system was ineffective for heavy rainfall events and it was determined that the outfall could be improved by the construction of a subsurface drainage system. **GSRC conducted a wetland delineation of the project area and Mr. Nass completed the subsequent Section 404 Permit.**
(11/12-08/14)	**Project Manager. Texada II Mitigation Bank Mitigation Banking Agreement, Iberville Parish, Louisiana, Texada Properties, Incorporated**. Mr. Nass managed the development of the Mitigation Banking Instrument for an approximately 106-acre wetland mitigation bank located in Iberville Parish, Louisiana. The site was leveed and flooded and used for crawfish production. The goals of the mitigation bank are to restore the natural hydrologic regime within the project site and to rehabilitate and re-establish productive, self-sustaining bottomland hardwood forested wetlands and baldcypress/tupelo gum wetlands. As part of the mitigation bank development process GSRC coordinated with the

	USACE, New Orleans District, and was able to have the previously issued Jurisdictional Determination accepted and extended. GSRC was also responsible for quantifying the acreage that could be used to restore, create, or enhance wetland communities; developing the Mitigation Bank Prospectus and Mitigation Work Plan; assessing the current and expected value of the wetlands using the Modified Charleston Method: and coordinating with the New Orleans District, as well as the U.S. Fish and Wildlife Service, U.S. Environmental Protection Agency, and Louisiana Department of Wildlife and Fisheries to gain acceptance and approval of the Mitigation Banking Instrument and Mitigation Work Plan. The Mitigation Banking Agreement was prepared in accordance with 33 Code of Federal Regulation 332.4 (Compensatory Mitigation for Losses of Aquatic Resources: Final Rule).
(06/11-11/16)	**Senior Wetlands Biologist. Rosedale Mitigation Banking Instrument, West Baton Rouge Parish, Louisiana, A. Wilbert's Sons, LLC.** Mr. Nass managed the development of the Mitigation Banking Instrument for an approximately 220-acre wetland mitigation bank located in West Baton Rouge Parish, Louisiana. The goals of the mitigation bank are to restore the natural hydrologic regime within the project site and to rehabilitate and re-establish a productive, self-sustaining bottomland hardwood forested wetland. As well as developing the Mitigation Banking Instrument, **Mr. Nass conducted a wetland delineation of the wetland mitigation bank site**, and coordinated with the USACE, New Orleans District, for a Jurisdictional Determination. **A Nationwide Permit 27 was submitted by GSRC** on December 15, 2011, and accepted by the Department of the Army on June 11, 2012.
(09/18-4/23)	**Project Manager. Wetland Jurisdictional Determination at Four Strategic Petroleum Reserve Facility. Federal Petroleum Operations, LLC.** GSRC was contracted to conduct wetland surveys at four Strategic Petroleum Reserve Facilities (1,861 acres) in Louisiana and Texas as part of Phase I of the contract. Phase II included the delineation of crude oil and raw water pipeline rights-of-way (2,823 acres) associated with these facilities. GSRC is also responsible for preparing a wetland delineation report for each facility under each phase and obtaining a Preliminary Jurisdictional Determination from the respective USACE District (New Orleans or Galveston). The project was initiated in 2018 and all facilities were delineated and PJD request submitted in 2019. Then the project was delayed for approximately 2 years due to the COVID pandemic and damage associated with Hurricane Laura. Mr. Nass is responsible for supervising and overseeing the project, including budget, schedule, and quality control and quality assurance of deliverables. He is also responsible for coordinating and obtaining the PJDs.
(02/21-04/23)	**Project Manager. St. Tammany Parish Wetland Planning Map and Policy. Resilient Development and Management, LLC.** GSRC was contracted to develop a wetland planning map for St. Tammany Parish, Louisiana. GSRC developed color-coded wetland planning map using existing data such as National Wetland Inventory, hydric soils, digital elevation data, and drainage data. The map was color-coded based on the potential to develop in a specific area and the degree of difficulty obtaining a permit. GSRC also participated in the development of a wetland policy manual for St. Tammany Parish. The purpose of the project was to develop policy for development resiliency. Mr. Nass supervised and oversaw the development of the color-coded wetland map and wetland policy.
(03/01-Ongoing)	**Project Manager. Wetland Permits, Multiple Sites in Louisiana. Various Private Clients.** Mr. Nass has prepared and submitted Department of the Army Section 404 and Nationwide permit applications for multiple projects throughout Louisiana. Projects have ranged in size from 1 acre to several hundred acres. Projects have included road crossings, residential developments, industrial sites, and private residences. Mr. Nass was responsible for determining wetland impacts, preparing Department of the Army permit applications, preconstruction notifications, developing mitigation measures, preparing need and alternative analyses, and coordinating with the proper USACE District.
(03/01-Ongoing)	**Project Manager. Wetland Delineations, Louisiana, Mississippi, Texas, Georgia, and Arkansas. Various Private Clients.** Mr. Nass has over 25 years of experience managing wetland delineations for private landowners and land developers. Projects have included residential developments, industrial sites, and private residences and have ranged in size from 1 acre to 1,300 acres. Mr. Nass was responsible for field data collection, delineation of the wetland/non-wetland boundary, mapping, and the preparation of wetlands finding reports. Formal jurisdictional determinations, based on Mr. Nass's data, were received from the appropriate USACE Districts.

Meets MPR #6			
Firm employed by	Gulf South Research Corporation		
Name	Josh McEnany	Years of relevant experience with this employer	23
Title	Senior Biologist / Wetlands	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2000 / Forest Ecosystem Management	
Active registration number / state / expiration date		n/a	
Year registered	n/a	Discipline	n/a
Contract role(s) / brief description of responsibilities		Biologist / Wetlands - Mr. McEnany joined GSRC in 2000 as a field biologist and with 23 years of experience is now a senior Project Manager. He has been involved in and managed projects related to EAs, **BAs**, EISs, **wetland delineations**, **water resources permitting**, environmental site assessments, and construction monitoring. His primary responsibility is project management; however, his responsibilities also include researching, planning, and preparing biological/environmental reports and participating in field studies. This experience has allowed Mr. McEnany to acquire a sound knowledge of pertinent federal and state environmental regulations. Certifications: **Advanced Hydric Soils, Wetland Training Institute (WTI), 2016; Wetland Plant Identification, WTI, 2009; Regulatory IV, Wetland Identification and Delineation Course, 2001**	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
(11/19-08/20)	**Project Manager. Wetland Delineation for Proposed Wind Turbines in Quitman and Tunica County, Mississippi.** GSRC was subcontracted by CSRS to perform a wetland delineation across 31,000 acres of agricultural, sloughs, swamps, and natural brakes within Quitman and Tunica Counties, Mississippi. Mr. McEnany served as the project manager and senior wetland ecologist for this project for GSRC. He led a team of 4 wetland ecologists for a period of 3 weeks conducting the surveys using sub-meter accurate GPS equipment. The original estimated time to complete the project per CSRS was approximately 5 weeks; however, Mr. McEnany and his team were able to accomplish the work within only 3 weeks through the use of innovated mapping tools, wetland delineation tactics, and time management practices. Mr. McEnany was also responsible for coordination between not only his client but also other companies that completed other various tasks not associated with the wetland delineation.
(02/18-02/20)	**Senior Wetland Ecologist. Stream Trail Network and Bottomland Hardwood Delineation Survey on New Training Lands for the Joint Readiness Training Center and Fort Polk, Louisiana.** Mr. McEnany was the lead wetland ecologist for this task order. He was responsible for conducting bottomland hardwood habitat delineation surveys on over 31,000 acres on newly acquired lands for Fort Polk, Louisiana. As part of this process, Mr. McEnany led a team of wetland ecologists who surveyed the 31,000 acres for potential bottomland hardwood habitat reforestation. He analyzed soils, hydrology, and vegetation to create control points throughout the project area as part of this project. By developing the control points, Mr. McEnany was able to establish parameters used for implementing Geographic Information System (GIS) analysis to map and identify potential areas that are currently loblolly pine forest but could be developed into bottomland hardwood habitat. He also participated in development of the bottomland hardwood delineation report, coordination with the USACE, and helped develop a reforestation plan.
(06/17-05/18)	**Senior Wetland Delineator. Wetland Delineation for Proposed West Hackberry Strategic Pipeline Right-of-Way, Cameron Parish, Louisiana.**

	GSRC was tasked to perform a wetland delineation, provide a wetland findings report, and coordinate with the USACE to obtain a jurisdictional determination. The project corridor project was approximately 2.1 miles and totaled 21 acres of wetland survey area. Mr. McEnany was responsible for conducting the wetland delineation, authoring the wetland findings report, and working with the USACE to obtain a jurisdictional determination.
(02/14-03/17)	**Project Manager. Environmental Assessment for Clearing and Grubbing for Wildlife Hazard Mitigation at West Side of Airfield, England Airpark and Community, Alexandria, Louisiana.** GSRC was contracted through Pan American Engineering to prepare an EA for the Airpark that assessed the environmental impacts associated with the clearing and grubbing of 302 acres of fields and woods that surrounds the west boundary of Alexandria England Airpark. Mr. McEnany was tasked with completing the EA, **wetland delineation**, and coordinated with the Federal Aviation Administration (FAA) for England Airpark. Mr. McEnany **developed Section 401/404 permits and obtained mitigation credits for wetlands impacted**. Mr. McEnany also provided oversight of cultural resources aspects of the project, which included mitigation in the form of Phase III data recovery at several sites that were discovered during initial surveys.
(09/06-12/07)	**Project Manager. Wetland Delineation for the Burbank Extension Project, East Baton Rouge Parish, Louisiana.** Professional Engineering Consultants (PEC) tasked GSRC to perform a wetland delineation, provide a wetland findings report, and coordinate with the USACE to obtain a jurisdictional determination. The project was a corridor project along Burbank Drive for approximately 3.5 miles and totaled 42 acres of wetland survey area. Mr. McEnany was the project manager for this task for GSRC and his obligations included conducting the wetland delineation, authoring the wetland findings report, and working with the USACE to obtain a jurisdictional determination.
(09/14-11/21)	**Project Manager. Wetland Delineation of the Stuart Mesa West Agricultural Fields, Coastal Dunes and Bluff on Marine Corps Base Camp Pendleton (MCBCP).** Naval Facilities Engineering Command, Southwest contracted GSRC to conduct a wetland delineation and subsequent wetland findings report. This wetland delineation was conducted on a 40-acre project site for the planned Stuart Mesa West Agricultural Field Conversion (SMW AF) project. The results of the wetland delineation were used for future planning to comply with Sections 401 and 404 of the Clean Water Act regarding any SMW AF project-related activities that could result in fill or impacts to areas determined to be jurisdictional by the U.S. Army Corps of Engineers (USACE), Los Angeles District. Mr. McEnany was responsible for conducting the wetland delineation, authoring the report, and coordination between the USACE and MCBCP.
(04/03-11/05)	**Project Manager. Clean Water Act Section 404 Nationwide Permit, Livingston Parish, Louisiana.** Mr. McEnany conducted the wetland delineation for this project and authored the Nationwide Permit 29 preconstruction notification permit application. Mr. McEnany was the agent responsible for the permit and for completing any permit request made by the USACE and La DEQ when obtaining approval of the permit.
(11/08-08/10)	**Project Manager. Wetland Delineation for the Proposed Runway Extension at the Alexandria International Airport, Rapides Parish, Louisiana.** GSRC was subcontracted by the LPA Group to conduct a wetland delineation on a 274-acre tract of land owned by the Alexandria International Airport (AEX). The delineation was conducted in order to assess how much, if any, wetlands AEX would be impacted as a result of expanding a runway on AEX. The property consisted of mature bottomland hardwood forest, agricultural land, and a portion of the existing AEX grassed runway area. Mr. McEnany was the project manager for this task, conducted the wetland delineation, authored the report, and coordinated with USACE.
(03/11-11/14)	**Project Manager. Wetland Delineation for the New Orleans to Venice Hurricane Protection System, Plaquemines Parish, Louisiana.** GSRC was tasked by the USACE, New Orleans District, Hurricane Protection Office (HPO), to conduct a wetland delineation in Plaquemines Parish, Louisiana. Mr. McEnany was the project manager for this task. The project was located along the West Bank Mississippi River Levee and East and West Bank Plaquemines Parish Hurricane Protection Levees. The project encompassed over 80 miles and totaled approximately 6,000 acres. The project corridor generally consisted of freshwater marshes, backwater riverine wetlands (batture), intermediate marsh, disturbed and maintained areas, fallow and active agricultural areas, and bottomland hardwood forests. Mr. McEnany's duties included conducting the wetland delineation, authoring the wetland findings report, and coordination with the USACE, Regulatory Division. Based on the results of the wetland delineation, the proposed project contained approximately 1,379 acres of potential jurisdictional wetlands, 201 acres of potential waters of the U.S., and 75 acres of other waters of the U.S.

Meets MPR # 4			
Firm employed by	ATLAS		
Name	Robert Whitesides, PE	Years of relevant experience with this employer	12
Title	Senior Transportation Planner / Traffic Engineer	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization	Teacher Certification / 2007 / Middle Grades Education, Mercer University (Atlanta, GA) BCE / 1997 / Civil Engineering, Catholic University of America (Washington, DC) BA / 1996 / Liberal Arts, St. Anselm College (Manchester, NH)		
Active registration number / state / expiration date	PE #029666 / Georgia / 12/31/2023		
Year registered: 2004	Discipline: Civil Engineering		
Contract role(s) / brief description of responsibilities	Mr. Whitesides will perform Noise & Air Quality Modeling for LA 74. He performs a wide array of engineering design/planning and project management duties for various environmental documents, transportation planning projects, roadway design projects, traffic impact studies, Interstate access studies, transportation concept reports, and transit planning and rail projects. His responsibilities also include air and noise analyses under NEPA guidelines for environmental assessments, as well as for HUD and FTA related projects, and is our resident noise expert. He is fully experienced with TNM, BREEZE Roads, TRAF-CORSIM, and HCS. He is prequalified for noise impact assessments and has also completed projects in South Carolina.		

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
10/22 – 05/23 and current	**I-16 / 75 Interchange Widening & Reconstruction, Bibb County, GA** – Provided and continues to provide QAQC review of multiple prior designed barriers (by others) from the 2010 approved noise impact assessment in light of project design constraints for the 4.96 miles of widening and improvements to portions of I-16 and I-75 near downtown Macon that traverses through multiple residential neighborhoods. Unique project challenges included reviewing all prior noise modeling, including roadway design and traffic inputs, reviewing prior barrier analyses, and making model updates to accurately reflect project design changes. These changes involved revising barrier coordinates to incorporate new/revised structure barriers on top of bridges and on top of MSE/retaining walls. Use on Construction plan revisions were made because of these revisions to ensure environmental document compliance.
07/20 – 07/22	**Sugarloaf Parkway Extension / I-85 Interchange and C-D Roads, Gwinnett County, GA** – Completed the noise impact assessment for this 6.5-mile new location roadway from SR 316 to/through a new interchange with I-85, including 7.4 miles of new C-D roads along both limited access roadways, and coordinated tying into adjacent projects at both ends. This design-build project included new interchanges / intersections along the corridor, as well as flyover ramps. Project tasks included validating over 27 existing field noise measurements to capture existing baseline conditions and determining all TNM model inputs, including roadway geometry from multiple designers, establishing vehicular traffic percentages, and coordinating all project inputs with multiple adjacent projects, as well as different future build and no-build analysis conditions. Unique challenges encountered included modeling various terrain conditions that differed between existing and future build conditions, elevated and structural roadways and flyover ramps, reverse diamond interchanges and multiple rows of receivers. Barrier analysis and design challenges consisted of analyzing multiple project scenarios, including modeling existing and relocated/modified noise barriers along I-85, as well as incorporating noise barriers on top of MSE/retaining walls and accounting for a

	variety of noise sensitive land uses. A total of almost 1.1M square feet of barriers over a length of 8.12 miles with an estimated cost of $27.3M for over 2,100 receivers was analyzed as part of this project.
07/19 – 12/19	**Courtesy Parkway Extension over I-20, Rockdale County, GA** – Completed the noise impact assessment for this 1.5-mile new location roadway in metro-Atlanta that extended the three-lane Courtesy Parkway over I-20 onto new location to tie into an existing east-west corridor. Unique project challenges included establishing baseline ambient noise levels within urban and suburban areas for a variety of noise sensitive receivers (schools, churches, apartment and single family residential), as well incorporating background interstate traffic, and a variety of terrain features including bridge structures throughout the project in order to adequately reflect those features in TNM model for the existing and future build conditions as existing roadway alignments changed and new alignments were added.
06/20 – 05/19	**US 84 Connector, Liberty County, GA** – After writing the FHWA approved Need, Effectiveness & Logical Termini (NELT) Report for this 2.6-mile new location rural freight corridor around the southeast side of Walthourville, Mr. Whitesides then completed the noise impact assessment. Unique project challenges included establishing baseline ambient noise conditions for a rural new location project with multiple noise sources from surrounding roadways, and how to adequately reflect those influences in the TNM model for the existing and future build conditions in order to provide valid results for more isolated receivers.
05/20 – 05/22	**SR 400 at McGinnis Ferry Rd Interchange, Fulton County, GA** – Mr. Whitesides performed multiple noise impact assessment addendums for a new interchange based on changes in the design and project limits that involved re-assessing more than 300 receivers located along the freeway as well as intersecting streets. Specific challenges included redesigning previously proposed barriers based on shifts in interchange ramp alignments and elevations as a result of value engineering to determine feasible locations for the revised barrier design.
1999 – 2000	**17th Street/I-85/75 Interchange, Atlanta, GA** – Mr. Whitesides was responsible for all traffic noise analysis of the proposed redevelopment of the Atlantic Steel Site adjacent to the Downtown Connector in the heart of the city, and all subsequent roadway and HOV improvements. His primary tasks consisted of establishing an existing baseline noise condition for areas east and west of the downtown connector and analyzing future build and no-build alternatives. Project challenges included examining future roadway network grid patterns involving elevated roadways, ramps, etc., incorporating noise abatement measures and traffic calming strategies for a mixed-use development in an urban environment.
2003 – 2004	**I-85/SR 316 Interchange Improvements, Gwinnett County, GA** – Mr. Whitesides assisted in drafting a revised project concept report to reflect new HOV and roadway modifications under federal air quality restrictions for the interchange. Performed all air and noise impact analyses associated with interchange ramp and flyover improvements, including HOV lanes, and helped draft the approved Environmental Assessment for this project.

16. Staff Experience:

Firm employed by	ATLAS		
Name	David Fairlie, PE	Years of relevant experience with this employer	11
Title	Traffic Engineer / Air Analyst	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		BS / 2006/ Civil Engineering	
Active registration number / state / expiration date		PE #42773 / Georgia / 12/31/2023	
Year registered	2017	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Noise & Air Quality Modeling - David Fairlie is a traffic engineer and air analyst with Atlas. Mr. Fairlie has supervised and conducted air and noise studies for the environmental department at Atlas. He has experience with air studies included evaluating CO values, conducting qualitative analysis of PM2.5 and MSAT and preparing air quality assessment reports for interstate projects, major arterial widening projects and small intersection improvement projects. Mr. Fairlie has experience working with traffic analysis software such as Synchro, SimTraffic, TSDWin as well as MicroStation and AutoCAD. He is also well versed with the air quality software MOVES (Replacement of Mobile6), AERMOD, CAL3QHCR, CAL3QHC. He also received technical guidance from the software providers of the Breeze Roads program, an interface program that uses CAL3QHC, CAL3QHCR and CALINE4.	

Experience dates	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
(08/21 – 11/22)	**GDOT, US 41/SR 3 Widening from Windy Ridge Parkway to North Marietta Parkway -** Project consists of 6 miles of widening US 41/SR 3 from a 4-lane urban arterial with a 2-way left turn lane to a 6-lane urban arterial with a 20-foot raised median and a new bridge over SR 280/Delk Road. Mr. Fairlie supervised and assisted in development of projected opening and design year traffic as well as the traffic analysis of the corridor using SYNCHRO and HCS software. He further evaluated intersections for improvements through use of GDOT's newly adopted Intersection Control Evaluation (ICE) policy. Project proposed a Continuous Flow Intersection (CFI) at the intersection of Windy Hill Road and US 41/SR 3 as well as 8 signalized Restricted Crossing U-Turns (RCUT).
(08/19-05/21)	**GDOT, Market Place Boulevard Traffic Study, Forsyth County, GA -** The study to determine necessary improvements at Market Place Boulevard from Buford Highway to Market Place Boulevard at the Wal-Mart/Lowe's north driveways. Twenty-four-hour traffic counts were conducted for several key locations in the study area. The data obtained was used to determine the Average Daily Traffic (ADT). Turning movement counts were also conducted for the peak hours at five intersections along Market Place Boulevard. The peak hour data was used to conduct a traffic analysis of the Market Place Boulevard corridor and identify operational issues within the study area. This data was also used to determine if the intersections within the study area would meet the peak hour warrant for signalization.
(08/21-09/22)	**GDOT, Freight Route 119 Safety and Operational Improvements, Liberty & Long Counties, GA –** Mr. Fairlie gathered and summarized accident data within the project boundaries. He performed level of service analyses for the road segments of the project corridor and for the intersections along the project corridor for the existing, opening year and design year conditions.

16. Staff Experience

Meets MPR #10				
Firm employed by	The Lakvold Group, LLC			
Name	Angela Lemoine-Lakvold, MAI, SRA, R/W-AC, MBA		Years of relevant experience with this employer	23
Title	Real Estate Appraiser		Years of relevant experience with other employer(s)	36
Degree(s) / Years / Specialization		MBA / 1998 / Public Administration BS / 1985 / Public Administration		
Active registration number / state / expiration date		#G0575 / 12-31-23		
Year registered	2017	Discipline	Louisiana State Certified General Real Estate Appraiser	
Contract role(s) / brief description of responsibilities		Conceptual Stage Relocation Plan		

Experience dates	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
(03/86 - 08/90)	Staff Appraiser with LA Department of Transportation and Development
(09/90 – 03/93)	Real estate appraiser
(04/93 – 03/99)	Review appraiser and Manager of Real Estate Appraisal Services for First Commerce Corporation
(01/2010 – Current)	Completed appraisals and appraisal reviews on numerous right-of-way projects for federal, state, and local government entities.
(01/2012 – Current)	Completed several Conceptual Stage Relocation Plans as part of the Environmental Assessment for several projects.

16. Staff Experience

Firm employed by	ATLAS		
Name	Jonathan Charbonnet, PE	Years of relevant experience with this employer	3
Title	Operations Manager	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization		MBA / 2017 / Business Administration (Finance) MS / 2007/ Civil Engineering BS / 1998 / Civil Engineering	
Active registration number / state / expiration date		PE #11265 / Hawaii /4-30-2022	
Year registered	2004	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Public Outreach	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover years of experience specified in the applicable MPR(s).
07/2020 - Present	**S.P. H.013284: LADOTD Mississippi River Bridge South GBR: LA 1 to LA 30 Connector, Baton Rouge, LA** – Mr. Charbonnet serves as Contract Manager for the new crossing of the Mississippi River to **alleviate traffic congestion** in the Capital Region. The five-parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "south" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 with a connection to Interstate 10 on the west side of the Mississippi River and to LA 30 (and widening of LA 30) on the east side of the Mississippi River. It is planned that the new crossing will be funded in part through the collection of tolls.
(01/21 – Present)	**20-CP-HC-0014: MOVEBR Sherwood Forest Extension: Greenwell Springs to Joor Road, Baton Rouge, LA** – Mr. Charbonnet is serving as Contract Manager for this project that is part of the MOVEBR Program, designated as a New Capacity Improvement Project. The Joor roadway is identified as part of the **road transfer program** and is a future PARISH route. Greenwell Springs road will remain a DOTD roadway. The project includes a new two-lane roadway with shoulders and open ditch drainage. The Sherwood Forest Extension is a greenfield project connecting Sherwood Forest at Greenwell Springs to Joor Road at Mickens. The work also includes **enhancing traffic flow** within the intersection limits.
(05/13 – 01/18)	**Green Light Plan (GLP) Transportation Improvement Program, East Baton Rouge City-Parish, LA** - Mr. Charbonnet was the Program Director for a comprehensive road repair and rehabilitation program funded under a voter referendum bonded ½ cent sales tax program, which consisted of 45 projects with a program value of more than $700 million. Projects included local routes and primary arterials, state highways, interstate **interchanges**, roundabouts, intersection improvements, railroad crossings, access management, and capacity improvements. Areas of responsibility included the coordination and management of design and **feasibility studies, traffic studies, interchange justification reports, environmental assessments**, topographic surveys, engineering design, utility relocation coordination, right-of-way appraisals and acquisitions, project/ construction management, funding and schedule forecasting/analysis, public outreach; as well as, coordination with local, state, and federal entities to include City-Parish Baton Rouge, LADOTD, and **FHWA.** Responsible for the management of consultant engineers, project managers, and inspectors.

(2016 – 2017)	**State Contract No. 4400009661: LADOTD Retainer for Right-of-Way, Statewide, LA. Program Manager -** LADOTD selected CSRS to perform statewide professional right-of-way services for proposed projects covered under the Retainer Contract and issued as individual task orders, as needed. Mr. Charbonnet served as Program Manager and was responsible for the **contractual oversight**, client coordination, and review management for all items listed in the scope of services, including acquisition services, relocation assistance, title research report services, and expropriation support services.
(2016 – 2017)	**Easy Streets Traffic Enhancements – Phase I & II, Louisiana State University, Baton Rouge, LA -** Mr. Charbonnet served as Program Manager and provided **contract closeout and program management review** on remaining projects in the Easy Street II program. The Easy Street I program consisted of the reconfiguration of approximately 534 parking spaces, introduction of traffic calming and shared road concepts, pedestrian crosswalks, lighting, signage and landscaping. The Easy Streets II program sought to facilitate safe bicycle use on the campus by introducing a series of designated bikeway corridors through the campus, in addition to; restriction of vehicles along Tower Drive to enhance pedestrian safety along the corridor by minimizing pedestrian/vehicular conflicts. CSRS was selected to provide topographic surveys, roadway design and alignment study, preliminary and final plans, right of way surveys and maps, investigation of drainage and flood level impacts and permitting coordination.
(05/16 – 05/17)	**Calcasieu Parish Transportation Initiative, Calcasieu Parish Police Jury, Calcasieu Parish, LA** – Mr. Charbonnet actively led and provided oversight and management during the initial start-up and development phase of the program, which included the development of program processes and procedures, engineering standards and specifications, standards for right-of-way acquisition, program budgets, consultant RFQ and selection process, as well as inter-agency coordination, public outreach, and community awareness activities. During the program development stage, he ensured all projects conformed with **LADOTD and FHWA guidelines** to maximize eligibility for state and federal assistance, including following NEPA, the Uniform Relocation Act, and following an approved consultant selection criteria process. Calcasieu Parish's transportation improvement program was developed to environmentally permit, design, and construct transportation improvements on five designated state routes within Calcasieu Parish, valued at $174M.
(08/22 – Present)	**Capital Area Transit System (CATS) On-Call Engineering Services, Baton Rouge, LA –** Mr. Charbonnet serves as **Contract Manager** for this project to provide engineering services for the CATS Five Year Capital Improvements & Investments Plan in conjunction with the CATS 2017-2022 Strategic Plan (Program or Project). Atlas assists CATS with Project Development & Delivery and Planning roles by providing supplement staff on an as-needed basis for all types of project planning, development, and delivery. We provide these on-call services to CATS' executive management, staff, teaming partners, and other entities and stakeholders as requested.

section 17

firm experience

17. Firm Experience

Firm Name	ATLAS	Past Performance Evaluation Discipline(s)*	Environmental / Traffic Engineering
Project Name	EFFINGHAM PARKWAY	Firm responsibility	Prime
Project Number	CSMSL-0006-00(700)	Owner's Name	Effingham County
Project Location	Effingham & Chatham Counties	Owner's Project Manager	Tim Callahan
Owner's Address, Phone, Email	601 N Laurel Street, Springfield, Georgia 31329 | (912) 754-2111 | tcallanan@effinghamcounty.org		
Services Commenced By This Firm (Mm/Yy)	10/2015	Total Consultant Contract Cost ($1,000s)	$2,270
Services Completed By This Firm (Mm/Yy)	Ongoing	Cost of consultant services provided by this firm ($1,000s)	$1,950

PROJECT DESCRIPTION

This project scope includes a two-lane, new location roadway from SR 30 to Blue Jay Road with 6 bridges spanning the wetlands. The project would begin at SR 30, approximately 1.5 miles west of SR 21, and be located across from Chatham County's proposed Benton Boulevard Extension project.

Atlas coordinated with the US Army Corps of Engineers (USACE) on the Practical Alternatives Review (PAR), Individual Permit (IP) application process, and the Restrictive Covenant Amendment application process. This project had a conservative easement area through which the alignment had to be designed carefully with minimal impacts. Six new bridges were proposed to seek the approval of the Interagency Review Team (IRT) led by USACE for the proposed new location alignment.

FIRM MEMBERS INVOLVED:
Brad Hale, Highway QA/QC,
LN Manchi, Project Manager,
Bijay Niraula, Environmental Lead

SERVICES PROVIDED INCLUDE:

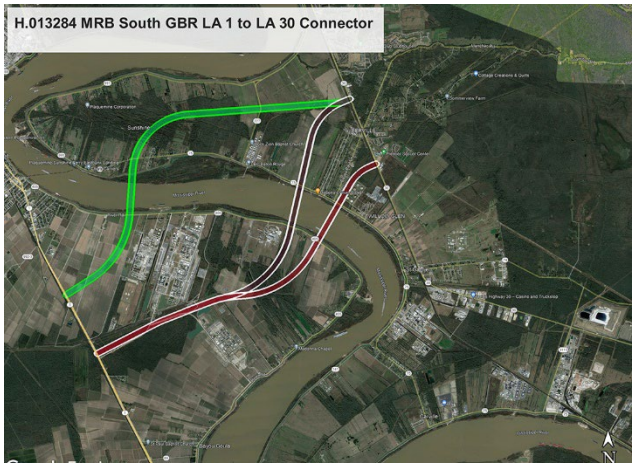
- Traffic analysis and crash data analysis.
- Public and stakeholder involvement.
- Environmental Special studies for air, ecology, history, archaeology, and Phase I site assessment.
- Pre-stressed pile bent bridges (six) to minimize impacts to wetlands.

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

DOTD FORM: 24-102

Firm Name	ATLAS	Past Performance Evaluation Discipline(s)*	Environmental & Planning
Project Name	MISSISSIPPI RIVER BRIDGE SOUTH GBR: LA 1 TO LA 30 CONNECTOR	Firm responsibility (prime or sub)	Prime
Project Number	S.P. H.013284	Owner's Name	LADOTD
Project Location	Baton Rouge, LA	Owner's Project Manager	Paul Vaught, III, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 | (225) 379-1816 | paul.vaughtiii@la.gov		
Services Commenced By This Firm (Mm/Yy)	07/20	Total Consultant Contract Cost ($1,000s)	$6,277
Services Completed By This Firm (Mm/Yy)	ongoing	Cost of consultant services provided by this firm ($1,000s)	$1,182

PROJECT DESCRIPTION



Atlas is conducted an **Enhanced Planning Study (contract Part 1)** for LADOTD to identify a new crossing of the Mississippi River, alleviating traffic congestion in the Capital Region. The Five-Parish Baton Rouge Metropolitan Area includes Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes. The new "South" Mississippi River Bridge and approaches will be a conventional highway/expressway facility connecting to LA 1 on the west side of the MS River and to LA 30 on the east side of the MS River. Atlas serves as the Prime consultant responsible for providing and overseeing services in Part 1 (Enhanced Planning), such as:

- Developing a preliminary purpose and need
- Identifying key stakeholders and agencies
- Developing a Travel Demand Model and mesoscopic traffic model
- Public involvement and outreach
- Conducting a navigation study
- Conducting preliminary environmental review on alternatives
- Preparing preliminary cost estimates and Level 1 sketch toll analysis
- Undertaking an iterative process of analyzing and assessing plausible alternative corridors
- Narrowing the number of alternatives to a handful of the most feasible alternatives (from 32 to three alternatives)

Part 2 (Environmental Evaluation) of the contract consists of taking the three most feasible alternatives through the NEPA process to ultimately end up with a Preferred Alternative and approved NEPA document from FHWA. Atlas is responsible for providing and overseeing services such as:

- Environmental impact statement
- Geotechnical investigations
- Mesoscopic traffic modeling
- Line and grade study and preliminary bridge design
- Topographic survey and hydrographic survey
- GIS project mapping
- Phase I ESA
- Air/noise and economic study/toll analyses
- Conceptual stage relocation plan
- Phase I cultural resource survey
- Wetland delineation and threatened and endangered species study
- Public involvement and outreach
- Identification of permits and mitigation

PROJECT HIGHLIGHTS

+ Environmental assessment
+ Alternative screening, analysis and vetting
+ Traffic impacts within the same corridor
+ Intensive public involvement and regular stakeholder

FIRM MEMBERS INVOLVED: Kara Moree, Project Manager | Maria Bernard Reid, Deputy PM and Environmental Lead | Todd Long, Traffic QA/QC | LN Manchi, Traffic Management | Brad Hale, Roadway Engineer | Jackie Wood, Road Design | Brandon DeJean, Project Management Support and Traffic QA/QC | Jonathan Charbonnet, Contract Manager

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

DOTD FORM: 24-102

Firm Name	ATLAS	Past Performance Evaluation Discipline(s)*	Roadway/Traffic
Project Name	US 84 CONNECTOR, LIBERTY COUNTY	Firm responsibility (prime or sub)	Prime
Project Number	PI 522570	Owner's Name	Liberty County
Project Location	Hinesville, GA	Owner's Project Manager	Joseph Brown
Owner's Address, Phone, Email	100 North Main Street, Suite 1320, Hinesville, GA 31313 | (912) 876-2164 | joey.brown@libertycountyga.com		
Services Commenced By This Firm (Mm/Yy)	08/18	Total Consultant Contract Cost ($1,000s)	$2,500
Services Completed By This Firm (Mm/Yy)	06/23	Cost of consultant services provided by this firm ($1,000s)	$2,220

PROJECT DESCRIPTION

The US 84 Connector is a new road alignment that begins at US 84 and is located approximately a half mile south of the existing SR 119 in Liberty County. The alignment would continue east parallel to SR 119 and bridge over the CSXT railroad and two large wetlands on each side of the railroad. This project proposes constructing a two-lane, new location connector roadway that is 2.8 miles in length. The new road will be designated a state route offering an alternative route for truck traffic. The project will improve safety and traffic operations by redirecting truck traffic from an existing road with an at-grade railroad crossing and a heavily populated residential area to the new location roadway.

Design and environmental coordination are crucial elements for the minimization of wetland impacts. Design modification is required to avoid impacts on a National Register-eligible historic cemetery. A Memorandum of Agreement was executed among all stakeholders to mitigate visual impacts to the cemetery. Noise effects were identified, and reasonable and feasible abatement in the form of noise barriers was implemented. The project is in a census tract composed mainly of minority and low-income (EJ) communities. Our environmental team conducted a rigorous alternatives analysis to select the least impactful alignment to the EJ communities in and around the project area. We employed various techniques to increase EJ communities' participation in the decision-making process. In coordination with FHWA and GDOT, our team proposed mitigation to offset impacts to EJ communities and avoided disproportionately high and adverse impacts to these communities. The public hearing for this project was held during the COVID-19 pandemic. FHWA required the project team to hold an in-person hearing, supplemented by an online component. Despite complex logistical challenges, our team completed an in-person public hearing supplemented by a web-based platform leading up to FHWA approval of the FEA/FONSI. Virtual, mail, and in-person public outreach for the EJ population and public hearing open house helped obtain input from the public and key stakeholders. Upon FHWA approval of the Draft EA and FONSI, ROW plans were approved. ROW acquisition is complete and certified. The final roadway and final bridge plans have been completed, and the project is on target to meet the P6 baseline let date of July 2023.

PROJECT HIGHLIGHTS

- Initial and Final Data Collection
- Traffic and Signal Warrant Analysis
- Existing and No Build Analysis
- Preliminary and Final Alternative Analysis
- Final Traffic Engineering Report
- Environmental Special Studies & NEPA

FIRM MEMBERS INVOLVED: LN Manchi – Project Manager | Bill DuVall – Bridge Designer | Bijay Niraula, NEPA Key Team Lead | Brad Hale, Highway Design QA/QC and EOR

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

DOTD FORM: 24-102

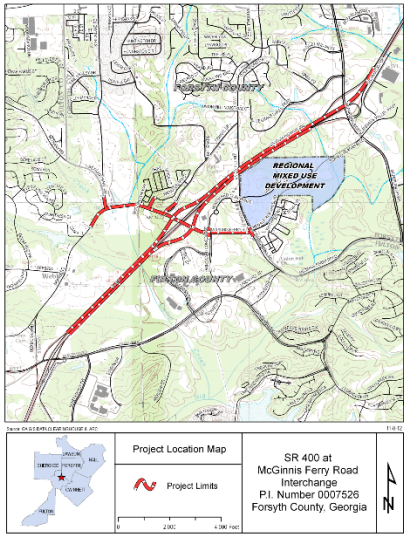
Firm Name	ATLAS	Past Performance Evaluation Discipline(s)*	Environmental / Traffic Engineering
Project Name	STATE ROUTE 400 AT MCGINNIS FERRY ROAD INTERCHANGE JUSTIFICATION REPORT (IJR)	Firm responsibility (prime or sub)	Prime
Project Number	STP00-2564-00(004)	Owner's Name	Forsyth County
Project Location	Gwinnett, Fulton, and Forsyth Counties	Owner's Project Manager	John Cunard
Owner's Address, Phone, Email	110 East Main Street, Suite 120, Cumming, GA 30040 | (770) 781-2165 | jvcunard@forsythco.com		
Services Commenced By This Firm (Mm/Yy)	09/11	Total Consultant Contract Cost ($1,000s)	$ 450
Services Completed By This Firm (Mm/Yy)	02/13	Cost of consultant services provided by this firm ($1,000s)	$ 425

PROJECT DESCRIPTION

This Interchange Justification Report (IJR) evaluated the need for additional vehicular access to the freeway system along Georgia State Route 400 (SR 400). The purpose of the IJR was to determine that an additional access point was both necessary and beneficial to vehicular movement in the study area and to document the process used to make the determination. The IJR was based on policies, procedures, and guidelines developed by the Federal Highway Administration (FHWA) and the Georgia Department of Transportation (GDOT). It answered the eight policy points established in U.S. Code, Title 23, Section 111, dealing with highways.

PROJECT HIGHLIGHTS

- Interchange Justification Report
- Interchange Alternative Analysis
- No Build Condition Analysis
- Environmental Support
- Roadway Design
- CE & I
- Right of Way Acquisition



Six different project alternatives were analyzed, including the No-Build condition. The IJR concluded that the preferred alternative was an interchange access point on SR 400 at McGinnis Ferry Road. This IJR addresses all of GDOT and FHWA guidelines for adding access points to limited access facilities. The new interchange at McGinnis Ferry Road would reduce traffic congestion, reduce the frequency and severity of crashes, and provide for continued future economic development. Future development of the SR 400 corridor in the study area would create major employment opportunities. It would also provide the western terminus of an east/west multi-county connector anchored to the east at I-85.

This GDOT project constructed a full diamond interchange and replaces the existing bridge over SR 400 and widened McGinnis Ferry Road from two and four lanes to four and six lanes, respectively. The project was designed with consideration for future managed lanes on SR 400. The project involved temporary road closures, detour, and impacts to several streams and wetlands. Our team extensively coordinated with the U.S. Army Corps of Engineers (USACE) regarding aquatic passage for culvert replacements and extensions. The environmental team was able to achieve an improved aquatic passage through innovative design on the extension of perched culverts. Noise effects were identified, and reasonable and feasible abatement in the form of noise barriers was implemented. An open house and a public hearing were completed prior to the FHWA approval of the FEA/FONSI.

FIRM MEMBERS INVOLVED: L.N. Manchi, Project Manager; Bijay Niraula, Environmental Manager; Brad Hale, Highway Design QA/QC; Todd Long, QA/QC; Robert Whitesides, Traffic Noise Analysis; David Fairlie, Traffic Modeling.

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

DOTD FORM: 24-102

Firm Name	ATLAS	Past Performance Evaluation Discipline(s)*	Environmental / Traffic Engineering
Project Name	SHERWOOD FOREST EXTENSION: GREENWELL SPRINGS ROAD TO JOOR ROAD	Firm responsibility (prime or sub)	Prime
Project Number	20-CP-HC-0014	Owner's Name	City of Baton Rouge, Parish of East Baton Rouge
Project Location	Baton Rouge, LA	Owner's Project Manager	Fred E. Raiford
Owner's Address, Phone, Email	222 Saint Louis St., 8th Floor, Baton Rouge, LA 70802 | (225) 389-3000 | fraiford@brgov.com		
Services Commenced By This Firm (Mm/Yy)	05/20	Total Consultant Contract Cost ($1,000s)	Phase 1: $1.1M (actual) Phase 2: $1.2M (est.)
Services Completed By This Firm (Mm/Yy)	01/21	Cost of consultant services provided by this firm ($1,000s)	$400

PROJECT DESCRIPTION

The City of Baton Rouge, Parish of East Baton Rouge selected Atlas to perform the engineering and related services for the construction of the Sherwood Forest Extension project. This project is part of the MOVEBR Program, designated as a New Capacity Improvement Project. The Joor roadway is identified as part of the road transfer program and is a future Parish route. Greenwell Springs road will remain an LADOTD roadway. The two-phased project includes a new two-lane roadway with shoulders and open ditch drainage. The Sherwood Forest Extension is a greenfield project connecting Sherwood Forest at Greenwell Springs to Joor Road at Mickens. The work also includes enhancing traffic flow within the intersection limits.

Services included:

- Feasibility corridor study with ten alternatives
- Design study, including environmental and traffic considerations/analysis as well as addressing floodplain impacts wetland concerns
- Preliminary and final roadway/intersection design plans
- Hydraulic analysis
- Corridor topographic survey
- Right-of-Way (ROW) mapping
- Subsurface Utility Engineering (SUE)
- Construction administration
- Final construction plans and cost estimates
- Support services during certain construction phases
- Cost estimating

PROJECT HIGHLIGHTS

- Feasibility with alternatives
- Enhanced planning
- Phase I ESA
- New connector road with consideration of sensitive parcels
- Existing complex utilities
- Coordination with many concurrent and adjoining projects

FIRM MEMBERS INVOLVED: Buddy Gratton, Principal-In-Charge | Jonathan Charbonnet, Contract Manager | Kara Moree, Deputy Project Manager | Maria Bernard Reid, Environmental Lead | LN Manchi, QA/QC | Brad Hale, Highway QA/QC (concept phase) | Todd Long, Traffic QA/QC | David Fairlie, Sr. Traffic Engineer | Jackie Wood, Lead Designer

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

VECTURA
CONSULTING SERVICES, LLC

FIRM EXPERIENCE
SUBCONSULTANT

DOTD FORM: 24-102

Firm Name	VECTURA CONSULTING SERVICES, LLC	Past Performance Evaluation Discipline(s)*	Traffic
Project Name	NEW ORLEANS RAIL GATEWAY ENVIRONMENTAL IMPACT STATEMENT (JEFFERSON HIGHWAY)	Firm responsibility (prime or sub)	Sub
Project Number	H.005168.2	Owner's Name	LADOTD
Project Location	Vernon Parish, LA	Owner's Project Manager	Dean Goodell
Owner's Address, Phone, Email	PO Box 94245 Baton Rouge, LA 70804 | (225) 379-3031 | dean.goodell@la.gov		
Services Commenced by This Firm (Mm/Yy)	01/21	Total Consultant Contract Cost ($1,000s)	unknown
Services Completed by This Firm (Mm/Yy)	Current	Cost of consultant services provided by this firm ($1,000s)	$133.75

PROJECT DESCRIPTION

The Jefferson Highway-Rail Crossing Relocation project is an Environmental Assessment that will evaluate relocating the NOPB at-grade crossing to the KCS at-grade crossing or vice-versa. The grade separating each combined crossing (roadway over rail) will also be evaluated.

Traffic Volumes

Due to the impacts of COVID-19, data collection for the Jefferson Highway location was not possible. To develop traffic volumes, volumes from the RPC Ochsner1 Stage 0 report along with the Earhart / Dakin Street Connector project from the TransCAD model were used. Vectura coordinated with NORPC to develop a growth rate for future design volumes.

Crash Analysis

Vectura conducted a historic crash data review for US 90 between Brooklyn Avenue and Dakin Street. Crash data for the most-recent three-year period was evaluated with a focus of the review on crashes attributed to the existing at-grade rail crossings. A collision diagram, CAT Scan, and crash documentation were performed.

Operations Analysis

Vectura performed an intersection operational analysis of the studied intersections using HCS7. The average stopped delay, V/C ratio and 95% queues were reported as measures of effectiveness.

Currently, Chapters 1, 2 and Appendices A, B, C and D were approved by DOTD. Vectura submitted Chapter 3 and Appendix E and is awaiting approval.

VECTURA MEMBERS INVOLVED: Laurence Lambert, Brin Ferlito, Bridget Robicheaux, Reece Rodrigue, and Kristen Farrington (100% performed in Louisiana)

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

DOTD FORM: 24-102

Firm Name	VECTURA CONSULTING SERVICES, LLC	Past Performance Evaluation Discipline(s)*	Traffic
Project Name	I-12 TO BUSH - LA 3241 (I-12 – LA 36) CORRIDOR STUDY	Firm responsibility (prime or sub)	Sub
Project Number	H.004957.5	Owner's Name	LADOTD
Project Location	Lacombe, LA	Owner's Project Manager	Jeff Burst
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 | 225-379-1356 | jeffrey.burst@la.gov		
Services Commenced by This Firm (Mm/Yy)	09/16	Total Consultant Contract Cost ($1,000s)	$1,895
Services Completed by This Firm (Mm/Yy)	05/17	Cost of consultant services provided by this firm ($1,000s)	$84

PROJECT DESCRIPTION

As part of the DOTD TIMED program, Vectura prepared a formal traffic study for the new alignment of LA 3241. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management and complete streets. The study included analyses for intersections (including two interchange ramps) and corridor improvements such as median openings, spacing of openings, signalized/unsignalized, and roundabout intersections.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- Seven-day (mainlines) and two-day (side streets) 24-hour tube counts with vehicle classification
- Turning movement counts for morning and evening peak periods
- 15-minute driveway counts
- **Traffic signal warrants**, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak forecast traffic volumes using TransCAD data

Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD Traffic Engineering Manual Section 20.2. This task included the following elements:

- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for implementation and design years
- Intersection alternatives included restricted median openings, signalized and unsignalized intersections, median U-turns at existing signal locations, restricted crossing U-turn (RCUT) intersections, and roundabouts
- Developed Vissim model of the preferred corridor layout
- Developed draft traffic study report

Task 3 Safety Analyses

- Developed **three-year crash analyses** report as per DOTD standards

VECTURA MEMBERS INVOLVED: Brin Ferlito, Bridget Robicheaux, and Laurence Lambert (100% performed in Louisiana)

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

DOTD FORM: 24-102

Firm Name	VECTURA CONSULTING SERVICES, LLC	Past Performance Evaluation Discipline(s)*	Traffic
Project Name	STAGE 0 JUDGE TANNER BOULEVARD CORRIDOR STUDY	Firm responsibility (prime or sub)	Sub
Project Number	PO #S120890	Owner's Name	St. Tammany Parish Government
Project Location	St. Tammany Parish, LA	Owner's Project Manager	Laura Gatlin
Owner's Address, Phone, Email	620 N Tyler Street, Covington, LA 70434 | (985) 898-2552 | lcbeach@stpgov.org		
Services Commenced by This Firm (Mm/Yy)	02/17	Total Consultant Contract Cost ($1,000s)	$50
Services Completed by This Firm (Mm/Yy)	06/17	Cost of consultant services provided by this firm ($1,000s)	$31

PROJECT DESCRIPTION

This project called for a Corridor Study for improvements of four intersections on Judge Tanner Blvd. that included the interchange ramps of US 190. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual (TEM) Section 20.2. The report was reviewed by District 62 and the HQ Traffic Engineering Section.

Task 1 Data Collection

Vectura collected the following traffic data for 4 intersections:

- Seven-day (mainlines) and two-day (side streets) 24-hour tube counts with classification
- Turning movement counts for morning and evening peak periods for four intersections
- Traffic signal warrants, radar speed studies and sight distance evaluation
- Developed growth rate methodology and AM and PM peak traffic volumes for forecast traffic volumes using TransCAD data

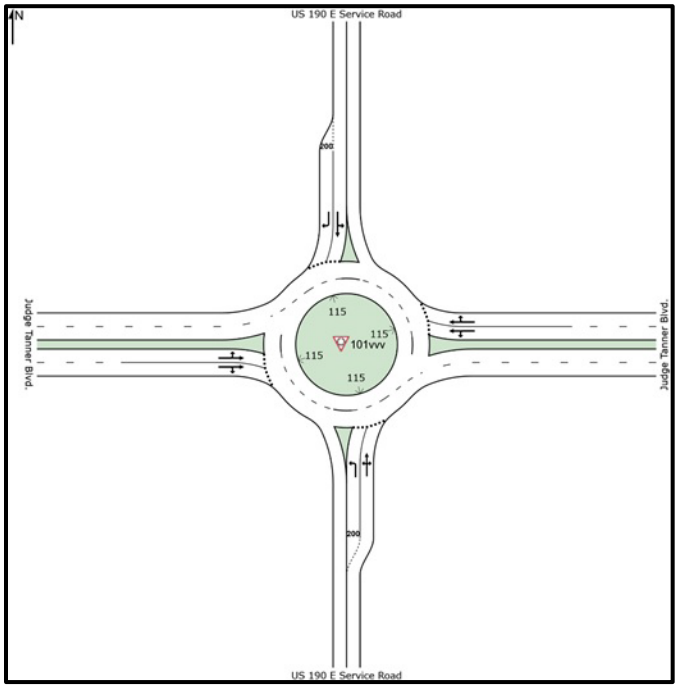
Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD TEM Section 20.2. This task included the following elements:

- Developed three-year crash analyses
- Performed Vistro and Sidra analyses for existing conditions
- Performed Vistro and Sidra analyses for implementation year and design year Intersection alternatives included signalized and unsignalized intersections and roundabouts
- Developed draft traffic study report

Tasks 3 and 4 Project Management and Final Feasibility Study and Deliverables

These tasks included project coordination and the submittal of the final traffic study and electronic files.



PROVIDENCE MEMBERS INVOLVED: Brin Ferlito, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

FIRM EXPERIENCE
SUBCONSULTANT

DOTD FORM: 24-102

Firm Name	Gulf South Research Corporation	**Past Performance Evaluation Discipline(s)***	Environmental
Project Name	Environmental Compliance Assistance for Clearing and Grubbing 302 Acres at England Airpark, Alexandria, Louisiana	**Firm responsibility (prime or sub?)**	Sub
Project Number	Signed letter contract	**Owner's Name**	Pan American Engineers, LLC
Project Location	Alexandria, Louisiana	**Owner's Project Manager**	Brendon Gaspard
Owner's address, phone, email	1717 Jackson St., Alexandria, LA 71301 (318) 473-2100; Brendon@paealex.com		
Services commenced by this firm (mm/yy)	12/13	**Total consultant contract cost ($1,000's)**	$348.25
Services completed by this firm (mm/yy)	10/17	**Cost of consultant services provided by this firm ($1,000's)**	$348.25

GSRC conducted Phase I **cultural resources survey**, for the clearing and grubbing of 302 acres at England Airpark. The Phase I **cultural resources survey** revisited two previously recorded archaeological sites, the McNutt Plantation [16RA692] and the Weil Property [16RA703]. Both sites were recommended potentially eligible for the NRHP. GSRC subsequently conducted the Phase II **archaeological site testing** and III **data recovery** testing at the two previously recorded historic cultural resources sites. The Phase II **archaeological site testing** consisted of an excavation of shovel test pits along a 10-meter grid across the McNutt Plantation and Weil Property archaeological sites and the excavation of four 1-meter by 1-meter test units at each site. The Phase III **data recovery** consisted of stripping approximately 4, 000 square meters of topsoil and placing excavation block units in high-probability areas to reveal intact cultural deposits or features across both sites. In addition to mechanical stripping and excavation of block units, an in-depth archival investigation was conducted, which identified the main house as having a construction date of 1859 and having been destroyed with the construction of the Alexandria Municipal Airport in the 1940s. The Weil Property (16RA703) had four chimney falls located during the Phase I investigation; no other features were located. The McNutt Plantation (16RA692) excavation units revealed several intact features, including the brick foundation of the main house, a concrete foundation for a side building, and the brick lining of a subterranean cistern.

Prior to the initiation of fieldwork for the Phase II and III investigations, GSRC personnel developed a culling and collection agreement in consultation with the Louisiana Division of Archaeology. GSRC personnel prepared the Phase I cultural resources survey technical report, a research design for both the Phase II **archaeological site testing** and Phase III **data recovery** investigations, a management summary outlining the result of the Phase II **archaeological site testing** investigations, Adverse Effects Documentation on the two eligible archaeological sites, the Memorandum of Agreement for mitigation of adverse effects on the two archaeological sites, and a management summary for the Phase III **data recovery** investigations, and the technical report that detailed the combined results of both the Phase II **archaeological site testing** and Phase III **data recovery** investigations. GSRC personnel also analyzed the artifacts recovered from the Phase II and III investigations in their in-house laboratory and are prepared the collection for permanent curation. All work (100%) under this task order was performed in Louisiana.

Firm Members Involved: Josh McEnany, John Lindemuth, Bretton Somers, Mark Hathorn, and Eve Carter

17. Firm Experience:

Firm Name	Gulf South Research Corporation	**Past Performance Evaluation Discipline(s)***	Environmental
Project Name	Phase I Archaeological Investigation of 54 Acres for the Louisiana Correctional Institute for Women (LCIW)	Firm responsibility (prime or sub?)	Sub
Project Number	01-107-05B-13, F.01003965	Owner's Name	Grace Hebert Curtis Architects
Project Location	Iberville Parish, St. Gabriel, Louisiana	**Owner's Project Manager**	Jody Gascon
Owner's address, phone, email	501 Government Street Suite 200, Baton Rouge, LA 70802 (225) 338-5569; jgascon@ghc-arch.com		
Services commenced by this firm (mm/yy)	10/20	**Total consultant contract cost ($1,000's)**	$80
Services completed by this firm (mm/yy)	11/20	**Cost of consultant services provided by this firm ($1,000's)**	$80

GSRC personnel conducted an intensive **cultural resources survey** of 54 acres of land for the proposed Louisiana Correctional Institute for Women (LCIW) on behalf of Grace Hebert Curtis Architects and U.S. Department of Homeland Security Federal Emergency Management Agency (FEMA), Region VI. The project area is located on Board of Supervisors of Louisiana State land. The investigation included the pedestrian survey utilizing transects spaced 30 meters (100 feet) apart and the excavation of shovel test pits (STPs) across the entire 54-acre Area of Potential Effect (APE), and a **standing structures (architectural)/built environment survey** of the visual APE (1-mile). This investigation constituted the good faith effort of Grace Hebert Curtis Architects to take into account any adverse effects that may occur as a result of the proposed undertaking in compliance with Section 106 of the National Historic Protection Act (NHPA) (Public Law 89-665; 54 U.S.C. 300101 et seq). An intensive archaeological pedestrian survey was supplemented with the excavation of shovel test pits. The subsurface testing consisted of the initial excavation of 213 initial transect STPs across the APE. An additional 98 STPs were excavated to determine the extent of the isolated finds. One modern trash scatter and four isolated finds were recorded during the survey. The trash scatter included both modern and historical artifacts and was recommended ineligible for the NRHP.

GSRC accessed the Louisiana Historic Standing Structures Survey (LHSSS) and NRHP online map to determine what previously recorded historic resources were located within the visual APE. Fourteen known resources were mapped within the visual APE for the undertaking. Aboveground/architectural reviews were conducted for each of the 14 known resources to assess if there was the potential for effects on the resources. Nine of those resources could not be found and are presumed demolished. The remaining five historic resources include Chatsworth (24- 00456), the St. Gabriel Grocery and Deli (24-00457), Homeplace Plantation (24-00458), one unnamed house (24-00455), and NRHP-listed St. Gabriel Church and Cemetery (24-00491) (NRHP 72000555). Vegetation surrounding the St. Gabriel Church and Cemetery will effectively block any view of the proposed facility and no adverse visual impacts are anticipated on this resource as a result of the undertaking. The church and cemetery still retain their integrity and are eligible for the NRHP. Another 29 new aboveground/architectural resources were also recorded during the investigation; however, none of those resources were determined to be eligible for inclusion in the NRHP.

Firm Members Involved: Josh McEnany, John Lindemuth, Mark Hathorn, Eve Carter, and Suna Adam

17. Firm Experience:

Firm Name	Gulf South Research Corporation	**Past Performance Evaluation Discipline(s)***	Environmental
Project Name	Addendum I: New Additions to the Phase I CRS for the Proposed Replacement Site of the Overpass Bridge on US 165	**Firm responsibility (prime or sub?)**	Prime
Project Number	4400014188; TO H.000665.2; FAP No. H000665	**Owner's Name**	Louisiana Department of Transportation and Development
Project Location	Bonita, Morehouse Parish, Louisiana	**Owner's Project Manager**	Jessica Richardson
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 70804-9245 (225)242-4511, Jessica.richardson@LA.GOV		
Services commenced by this firm (mm/yy)	02/21	**Total consultant contract cost ($1,000's)**	$15
Services completed by this firm (mm/yy)	06/21	**Cost of consultant services provided by this firm ($1,000's)**	$10

The Louisiana Department of Transportation and Development (DOTD) on behalf of the Federal Highway Administration (FHWA), contracted GSRC to conduct a **cultural resources survey** for the additional survey of 1.9 acres for the change in the required right-of-way for the Bonita bridge replacement site and to provide an addendum report. GSRC conducted the necessary research to obtain the names/addresses of property owners from whom the additional right-of-way was required and contacted and obtained permission to access their property. GSRC also conducted Louisiana One-Calls to ensure the project area was safe for excavation. GSRC's initial investigation included literature and archival research utilizing existing data from the Louisiana Department of Archaeology (LADOA) Database. This information was used to get a familiarity with previously conducted archaeological surveys in the area, as well as types of cultural resources that could be encountered during the survey.

GSRC conducted the Phase I **cultural resources survey** utilizing a single transect and shovel tests spaced at 30-meter intervals in accordance with the Fieldwork Guidelines for terrestrial surveys based on LADOA standards. The archaeological survey resulted in the excavation of 19 shovel test pits (STP) across the survey area. All shovel tests were excavated to be 30 centimeters (cm) in diameter and excavated to the sterile subsoil at a depth of 50 cm. The intensive **cultural resources survey** of the property did not identify any archaeological sites or historic structures. A Trimble GeoXT GPS unit was used to record all shovel tests during this study. Each shovel test was recorded on standardized forms and included terminal depth, and strata observed including soil color using Munsell Soil Color Charts, and soil textures. Photographic data was also collected during the survey of shovel test pits and of the project area's environment. An executive summary of the results of the survey was submitted to DOTD within 5 days after completing the fieldwork. GSRC also prepared an addendum report outlining the results of the survey. The **cultural resources report** was submitted to the Louisiana SHPO during the consultation on the project. The Louisiana SHPO concurred with all the findings presented in the report.

Firm Members Involved: John Lindemuth, Elizabeth Hunt, Eve Carter, and Mark Hathorn

The Lakvold Group, LLC

FIRM EXPERIENCE

SUBCONSULTANT

LG

DOTD FORM: 24-102

Firm name	The Lakvold Group, LLC		Past Performance Evaluation Discipline(s)*	Real Estate Appraiser	
Project name	US 80 Widening: Vancil Road to Well Road		Firm responsibility (prime or sub?)	Sub	
Project number	H.009932	Owner's name	CSRS, Inc.		
Project location	Ouachita Parish, Louisiana		Owner's Project Manager	Joe Earls	
Owner's address, phone, email	8555 United Plaza Boulevard, Baton Rouge, Louisiana; Phone 833-523-2526; joseph.earls@csrsinc.com				
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost ($1,000's)		Unknown	
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm ($1,000's)		$7,200	

Firm's Role: Completed Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the projects area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Project Management and Final Transportation Study Deliverables: These tasks included completing the Conceptual Stage Relocation Report for review and inclusion in the Environmental Assessment.

FIRM MEMBERS INVOLVED: ***Angela Lemoine-Lakvold, MAI, SRA, R/W-AC***, and support staff

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

section 18

approach and methodology

18. Approach and Methodology

PROJECT UNDERSTANDING

Atlas Technical Consultants assembled a team with members who have been involved with the LA 74 interchange project since its early conceptual stage

as well as involvement in several other projects in planning and design in the LA 74 project vicinity (i.e., LA 429 connector, Mississippi River Bridge South, LA 30 widening, LA 30 Roundabouts). The **Atlas Team** includes, **Vectura, GSRC, and the Lakvold Group, LLC.** Each team member has years of DOTD experience, especially with projects that must follow NEPA guidelines.

The LA 73 corridor between East Baton Rouge and Ascension Parishes is a growing corridor with residential development near the I-10 interchange and extending east to LA 30 through Geismar with heavy industrial development. Traffic volumes along LA 73 are very high with commuter and freight traffic to and from the nearby industrial facilities and residential developments. Adding to the strain on the capacity of the roadway network, LA 30 would be the eastern terminus of the proposed Mississippi River Bridge South in Iberville Parish. Existing DOTD Rights-of-Way (ROW) are narrow, often abutting the numerous pipelines, telecommunications, and electric utilities along the route. Due to existing capacity issues and the area's projected growth, the LA 74 and I-10 interchange will be considered to relieve traffic congestion along LA 73.

PROJECT MANAGEMENT

The Atlas Team understands the necessary coordination across the Interchange Justification Report (IJR), Line & Grade (L&G), and Environmental Studies. The approach and methodology that follows describe critical task overlaps where appropriate as they would occur along the project schedule. Focusing on these dependent tasks across disciplines and highlighting these junctions demonstrates the Atlas Team's understanding of necessary coordination throughout the timeline and where duplicating efforts should be avoided. The Atlas project management team, Kara Moree and Maria B. Reid, as well as IJR Task Lead, Brandon DeJean, have valuable experience in leading complex, large-scale projects through the NEPA process. To illustrate our Approach and Methodology, a preliminary project schedule is provided with tasks and key milestones, shown as numbered stars, referenced throughout this narrative.

I. INTERCHANGE JUSTIFICATION REPORT

Task 1 - Data Collection Review

We will assess and verify all previous studies and data provided by DOTD to confirm adequate data is available to complete all studies and verify the ability to address FHWA Policy Points 1 & 2. **Chapter 1** of the Final Report, **Appendices A & B,** and a plan for additional data (if necessary) will be prepared for review and approval. Following the approval of the deliverable, the **Task 2 Data Collection Meeting** will be held to discuss the review.

The Atlas Team will coordinate with DOTD to identify the logical termini and preliminary purpose and need for the project. Atlas will prepare a logical termini request letter and project area map for DOTD's submittal to FHWA.

The Atlas Team will use collected data to **generate a GIS database** with shapefiles for environmental fieldwork, traffic data, existing ROW, and visible features such as existing roadway, surfaces, poles, signage, ditches and pipes, utilities, etc. Contours and proposed alternative concepts will be added, including proposed ROW and their relocations and mitigation measures. This will be a living database in the sense that it will provide the foundation for all future studies and plans for the improvements to LA 74.

Task 3 - Existing, No Build, Tier 1, & Preliminary Tier 2 Verification to develop HCS models for Existing and No Build for I-10 and existing ramp terminals, update of **Chapter 2, Appendices C & D**, develop **Draft Tier 1 and Preliminary Tier 2** documents.

Review and approval of Task 3 Deliverables will be followed by **Task 4 Meeting** held to confirm the project's purpose & need in conjunction with the Environmental Study's Scoping Meeting. The meeting will also present Tier 1 and Preliminary Tier 2, and recommend viable alternatives for advancement to Tier 2 Analysis ***(Milestone 1 of Project Schedule).***

Task 5 - Tier 2 Analysis

Operational Analysis using HCS7 will be performed for the entire approved peak periods during Design Year 2038 with established MOEs for ramp terminals and I-10 mainline in HCS7. **Safety Analysis** will include an assessment of impacts and ability of alternatives to safely and efficiently collect, distribute, and accommodate traffic on the mainline, ramps, ramp terminals, applicable segments of the local street network, and nearest interchange. **Critical Geometry** will be developed in conjunction with L&G Tasks II. A (Horizontal Geometry) and II.B (Vertical Geometry) using Operational and Safety Analysis results to inform design decisions for key areas of alternatives.

The Atlas Team understands alternatives advanced to Tier 2 Analysis may not be viable due to operations, critical geometry, or environmental issues that cannot be remedied. To minimize the risk of additional project delay, the verified Tier 1 Matrix deliverable from Task 3 will include sufficient detail to inform decision-makers should additional concepts need to be advanced to Final Tier 2 Analysis.

The Critical Geometry, Operational, and Safety Analysis will be compiled in **Appendix E** Approval of Task 5 deliverables. **The Task 6 Tier 2 Meeting** will be held to present the analysis results and identify alternatives recommended for advancement to Tier 3. This meeting will occur during preparation for the Environmental Study's Public Meeting to inform stakeholders in attendance and to potentially identify a preferred alternative ***(Milestone 3 of Project Schedule)***.

Task 7 - Tier 3 Analysis

Geometric Layout for preferred alternative(s) will be developed in conjunction with L&G Tasks II.A (Horizontal) and II. (Vertical). Striping and Signing Layouts will be developed to illustrate appropriate interstate guide sign locations/composition to comply with the MUTCD. The analysis will be included in **Appendix E. Chapter 3** will also be completed at this time to summarize the results of Tier 1, Tier 2, and Tier 3 Analysis.

Task 9 - Final Report

The IJR will be compiled to include **FHWA 8 Policy Points, Executive Summary, Introduction, Chapter 1, Chapter 2, Chapter 3 and Appendices A through E.**

Task 8 - FHWA 8 Policy Points

All necessary information required to address the policy points will be compiled and documented. Policy Points 1, 2, 3, 4, and 7 will be addressed directly using documentation and results of the Final Report. Policy Points 5, 6, and 8 will be addressed through modifications to the transportation plan, coordination with the adjacent LA 429 Connector IJR study, and issuance by FHWA of FONSI during the Environmental Study's Environmental Document Task.

II. LINE AND GRADE STUDY

Tasks to initiate the L&G study will begin concurrently with IJR Task 1 Data Collection to review available data and collect additional data as needed to establish existing conditions, roadway/bridge geometry, and the location of utilities.

SURVEY DATA COLLECTION

Mobile LiDAR (Light Distance and Ranging) and aerial imagery will be used to document and locate all visible highway details and features on existing surfaces and facilities on or above the ground. Collected data elements and attributes important to the analysis will be stored in a GIS Database. The imagery and elements of the GIS Database will be used to project apparent ROW. All ditches, visible drainage inlets and culverts, fences, signage, signalization, poles, highway markings, and many of the pipeline markers will be catalogued. That locational data will prove to be essential in analyses and cost estimates.

LiDAR data, as collected by the Atlas Team, will be compared and used to generate digital elevation models (DEM). The DEM will be used to determine the need for changes to existing drainage, locational guidance for utility adjustments and relocations, and refinements of the vertical alignment to minimize mass balance changes (as much as possible). Contours will be generated and exported to the GIS models.

A GIS base map of existing conditions, design criteria, and typical sections will be added to the existing data compiled in IJR Task 1 and used to proceed with subsequent tasks.

Task II.A & B - Horizontal and Vertical Alignment

Alternatives will be developed according to the current Road Design Manual, EDSMs, Standard Plans, Access Management Policy, Complete Streets Policy, and Minimum Design Guidelines. IJR Task 5 Tier 2 Operational and Safety Analyses results will be utilized to ensure adequate design of freeway, ramps, ramp terminal intersections, and major intersections along LA 74.

Horizontal alignments will include with controlling geometric information, control of access limits, existing and estimated ROW limits as well as intersection and interchange schematics.

Vertical alignments will include a profile view indicating existing grade, proposed vertical grades incorporating each tier of the proposed interchange, required vertical clearances, PVI locations, length of vertical curves, and headlight or stopping distance.

RIGHT-OF-WAY (ROW) IMPACTS, UTILITY RELOCATION COST AND CONSTRUCTION

Alternatives will be analyzed to determine the construction limits and estimate the required ROW. The Atlas Team will develop a parcel information GIS maps layer, including ownership names and contacts. Relocations are expected, so conceptual stage relocation plans and cost estimates will be provided. Phase I Environmental Site Assessments will be conducted on all properties to be acquired by DOTD. A utilities GIS map layer will be created through the SUE Level D survey. Utility owners will be identified for relocation coordination. A Utility Cost Estimate Report will be prepared detailing all assumptions and decisions made while providing the relocation estimate.

> The potential for impacts to known sensitive areas such the superfund site in the northwest quandraft of the proposed interchange will be avoided or minimized to the greatest extent practicable and coordinated with Environmental Study Field Surveys of Alternatives and Impacts. ***(Between Milestones 2 and 3 of the Project Schedule)***

Refinement of a preferred alternative alignment and interchange configuration included in the final L&G study will also include details based on a constructability review that considers maintenance of traffic.

Task II.C - Line & Grade Study Deliverable

The study will be compiled for inclusion in the environmental document as an appendix. This will include: Table of Design Criteria, Plan and Profile displays, Typical Roadway/ Bridge Sections, Cost Estimates, Design Report, and electronic files of all plans sheet.

III. ENVIRONMENTAL STUDY

Fundamentals of the NEPA decision-making process include interagency participation, public involvement, and documentation and disclosure. The Atlas Team will follow the DOTD Stage 1 Manual to prepare for the SOV, scoping meetings, the purpose and need refinement, and development and/or refinement of alternatives.

The Atlas Team will prepare a Project Management Plan (PMP) following the May 2017 FHWA PMP guidance and the DOTD Environmental Section's *Guidance for Major Projects and 2013 DOTD Project Delivery Manual.*

Purpose & Need

Tasks to be completed before initiating the Environmental Study include IJR Task 1 Data Collection and existing No Build, Tier 1, Preliminary Tier 2 (IJR Tasks 3 & 4) to confirm the project's preliminary purpose and need. Screening of alternatives throughout the project duration will occur with a tiered approach that follows the development of Tier 1, Tier 2, and Tier 3 analysis for the IJR. Refinement of project purpose and need will continue as needed during the progression of the Environmental Study leading up to the Public Meeting.

With the progression of IJR Task 5 Tier 2 Analysis and Line & Grade Tasks II.A & B to develop Critical Geometry, alternatives will be identified and developed in sufficient detail to initiate Solicitation of Views (SOV), to begin a Field Survey of Alternatives, and to determine impacts.

The initiation of SOV constitutes the beginning of NEPA procedures (23 CFR 771) and the subsequent 12-month deadline to complete the process, per CEQ's 2020 Update to the Regulations Implementation the Procedural Provisions of NEPA (85 FR 43304-43376). Per **Task III.G,** the Atlas Team will notify the DOTD Environmental Section when field work begins and ends. ***(Milestone 2 of Project Schedule)***

Solicitation of Views

With DOTD's approval, the Atlas Team will update the statewide and Ascension Parish SOV lists with local stakeholders. We will prepare a project description (based on the level of detail in alternative development from IJR Task 5 and L&G tasks 2A and 2B), project area map, and SOV letter to request comments and early project coordination from Federal, state, and local stakeholders. Following DOTD's review and approval, the Atlas Team will distribute the SOV packets to recipients on the SOV lists ***(Milestone 2 of the Project Schedule)*** and document any responses received for data gathering or follow-up action.

Field Survey of Alternatives and Impacts

Environmental field surveys (Wetland inventories, cultural resources Phase 1 surveys, roadway noise analyses data collection, Phase I Environmental Site Assessments, etc.) will be conducted for all action alternatives under NEPA analyses. Technical reports will be prepared to document survey methodologies, findings, potential impacts from proposed alternatives, and any avoidance, minimization, or mitigation measures used to reduce the likelihood of adverse impacts of the project. Technical reports will be submitted to DOTD for review and included with the Environmental Assessment as an appendix. The Atlas Team will support the DOTD Archaeologists during the National Historic Preservation Act Section 106 coordination with Louisiana State Historic Preservation Office and with tribes.

In the event that a property that is considered either National Register of Historic Properties (NRHP)-eligible or a 4(f) property is within the project's area of potential effect and would potentially be impacted, the Atlas Team would support DOTD's consultation with SHPO and FHWA and report impacts and any proposed mitigation measures at the public meeting ***(Milestone 3 of Project Schedule).***

The Atlas Team will develop a **Public Involvement Plan (PIP)** to detail how we will engage stakeholders and the public, both online and through public meetings and hearings. The PIP will incorporate guidance from DOTD's Public Involvement Procedures for Stage 1 Environmental Process. The plan will identify stakeholders in Ascension Parish, regional stakeholders in the Capitol Area Metropolitan Planning Area, and statewide stakeholders. Diversity will be a key component of public outreach activities with multiple opportunities to reach various citizens, such as Environmental Justice (EJ) populations, Limited English Proficiency (LEP) populations, low mobility populations, and other groups that are typically under-represented or have unique needs. The plan will include options for conducting meetings using an online platform with recorded presentations and opportunities for online feedback. Public meetings and hearings will follow all guidelines for public safety and accessibility.

Public Meeting

A public meeting will present project information, a range of alternatives developed through IJR Task 5 Tier 2 Analysis, and preliminary potential impacts of the project. IJR Task 6 Tier 2 Meeting would be held in advance of and coordinated with Environmental Study task personnel to assist with preparation for the Public Meeting ***(Milestone 3 of Project Schedule).***

Preparation and Review of Draft Environmental Assessment

After the alternatives are developed, environmental studies completed, and impacts assessed and presented at the public meeting, the Environmental Assessment (EA) will be

prepared. The technical reports prepared following environmental surveys, the IJR, and L&G Study will be included as appendices. A review draft of the EA will be submitted to DOTD for review and approval before publishing the Notice of Availability (NOA) in the newspapers of record.

Public Hearing

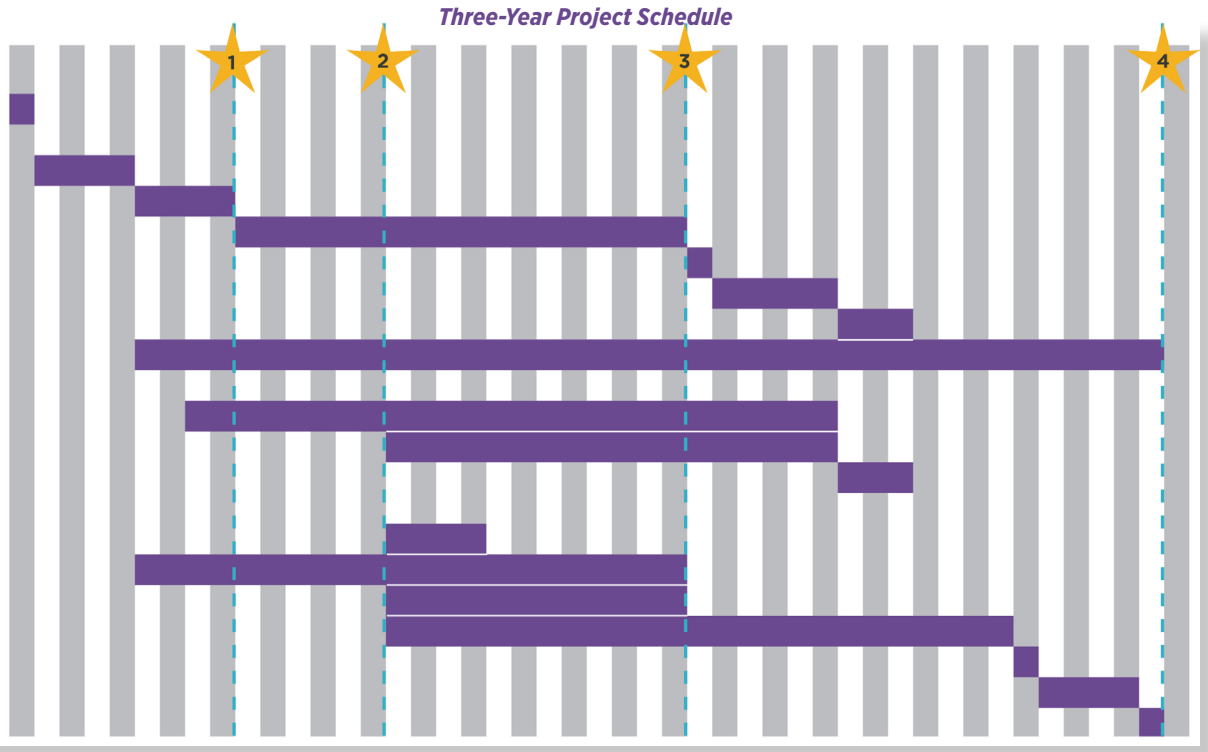
Once approved for publication by DOTD and FHWA, the EA must be available for review for 15 days before holding a Public Hearing. The EA document will be on public review for at least 30 days and made available for comments at the Public Hearing. Any impacts to Section 4(f), NRHP-eligible properties, or any parcels to be acquired for project ROW will also be identified. The Atlas Team will support the DOTD Real Estate section to provide information on the acquisition process to affected property owners.

Public Hearing & Environmental Assessment Comments

Comments from the public and stakeholders will be compiled and responses to the comments will be provided in the Finding of No Significant Impact (FONSI). Draft permit applications will be prepared as part of Project Close-out for DOTD action as the project moves forward into further project delivery phases ***(Milestone 4 of Project Schedule).***

SCHEDULE

H.003771.2 (I-10 AT LA 74)
PROJECT KICK-OFF MEETING
I. INTERCHANGE JUSTIFICATION REPORT
Tasks 1 & 2 - Data Collection & Meeting
Tasks 3 & 4 - Existing, No Build, Tier 1, Prelim Tier 2 Verification & Meeting
Tasks 5 & 6 - Tier 2 Analysis & Meeting
III.B.4 Public Meeting
Task 7 - Tier 3 Analysis
Task 9 - Final Report
Task 8 - Address FHWA 8 Access Policy Points
II. LINE & GRADY STUDY
A. Horizontal Alignment
B. Vertical Alignment
C. Deliverables
III. ENVIRONMENTAL STUDY
Solicitation of Views
Purpose & Need
Field Surveys of Alternatives and Impacts
Draft Environmental Assessment & Review
Public Hearing
Public Hearing & Environmental Assessment Comments
FONSI



section 19

workload

19. Workload:

Firm	Past Performance Evaluation Discipline(s)*	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance **
Atlas Technical Consultants, LLC	Environmental and Planning	Contract No. 4400017438 SPN - H.013284	MRB SOUTH GBR:LA 1 TO LA 30 CONNECTOR ROUTE	$460,652
Vectura Consulting Services, LLC	Traffic	Contract No. 4400017293 SPN - H.010616	I-20: LA 544 Overpass Replacement	$120,664
Vectura Consulting Services, LLC	Traffic	Contract No. 4400005484 SPN - H.005168.2	New Orleans Rail Gateway Jefferson Highway EA	$51,079
Vectura Consulting Services, LLC	Traffic	Contract No. 4400005484 SPN - H.005168.2	New Orleans Rail Gateway Avondale EA	$144,494
Vectura Consulting Services, LLC	CE&I	Contract No. 4400020018 SPN - H.007160	EBR Computerized Traffic Signal, Ph VB	$49,600
Vectura Consulting Services, LLC	Traffic	SPN - H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$14,740
Vectura Consulting Services, LLC	Traffic	Contract No. 4400021519 SPN - H.012030.5	KCS RR Overpasses HBI	$28,026
Vectura Consulting Services, LLC	ITS	Contract No. 4400016364 SPN - H.011504.5	Alexandria ITS Phase 2	$54,179
Gulf South Research Consultants, LLC	Cultural Resources	Contract No. 4400014188	IDIQ Contract for Cultural Resources Services	$42,000
	Environmental Documentation	Contract No. 440001581	IDIQ Contract for Environmental Services Statewide	n/a
		Contract No. 40000099	Retainer Contract for Right of Way Forestry	n/a
The Lakvold Group, LLC	Appraisal	SPN - H.004100	I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge Parish	$179,000

section 20

certification/licenses

20. Certifications/Licenses

PROFESSIONAL LICENSING

GEORGIA SECRETARY OF STATE BRAD RAFFENSPERGER

CORPORATIONS • ELECTIONS • LICENSING • CHARITIES

Licensee Details

Licensee Information

Name: Robert Charles Moreman

Address:

Loganville GA 30052

Primary Source License Information

Lic #:	PE040575	**Profession:**	Engineers / Land Surveyors	**Type:**	Professional Engineer
Secondary:		**Method:**	Examination	**Status:**	Active
Issued:	12/21/2015	**Expires:**	12/31/2023	**Last Renewal Date:**	12/31/2022

Associated Licenses

Relationship: Employment

Licensee:	Long Engineering LLC	**License Type:**	Engineer Firm	
License #:	PEF003237	**License Status:**	Active	
Established:		**Association Date:**	2/26/2021	**Expiry:**
Type:	Prerequisite			

Public Board Orders

Please see Documents section below for any Public Board Orders

Other Documents

BRANDON DEJEAN, PE, PTOE

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Transportation Professional Certification Board, Inc.

certifies that

Brandon Scott DeJean

has met all of the requirements established by the Certification Board
to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4721 issued in Washington, DC, USA

12/09/2019

Diane W. Morabito
Chair

PTOE PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Jeffrey F. Paniati
Executive Director

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Brandon Scott DeJean
8440 Jefferson Highway, Suite 400
Baton Rouge, Louisiana 70809

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Brandon Scott DeJean

License/Certificate Type - Number: PE.0037234

Expiration Date: 09/30/2024

Status: Active

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer
All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.

Certificate of Completion

presented to

Brandon DeJean

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brandon DeJean

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brandon DeJean

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: July 2, 2019
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brandon DeJean

has attended

Traffic Control Technician-LA State Specific

Training Course

9/13/2022 to 9/13/2026
Training Valid Through

Monroe, LA
Location

Director of Training

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brandon DeJean

has attended

Traffic Control Supervisor-LA State Specific

Training Course

9/14/2022 to 9/14/2026
Training Valid Through

Director of Training

Monroe, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

TODD LONG, PE, PTOE

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Transportation Professional Certification Board Inc.

certifies that

Todd Ivey Long

has met all of the requirements established by the Certification Board
to use the title of

PROFESSIONAL TRAFFIC OPERATIONS ENGINEER

Unless withdrawn by the Certification Board, this certificate number 1030
issued in Washington, D.C. is subject to the provisions for renewal
November 6, 2008

Steven D. Hofener
Chair

PTOE
PROFESSIONAL
TRAFFIC
OPERATIONS
ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Executive Director

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Todd Ivey Long
2450 Commerce Avenue, Suite 100
Duluth, Georgia 30096

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Todd Ivey Long

License/Certificate Type - Number: PE.0043910

Expiration Date: 03/31/2024

Status: Active

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

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KARA MOREE, CFM

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Kara Knott

has participated in

NEPA and Transportation Decision Making

hosted by
LA DOTD/LTRC

Date: **March 18-20, 2008**

Location: **Baton Rouge, LA**

Hours of Instruction: **18**

Instructor

Instructor

Sandra Romero
Local Coordinator

Joseph S. Toole, Associate Administrator
Office of Professional and Corporate Development

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Certificate of Completion

presented to

Kara Moree

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: November 5, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Certificate of Completion

presented to

Kara Moree

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Certificate of Completion

presented to

Kara Moree

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kara Moree

has attended

Traffic Control Technician-LA State Specific

Training Course

9/13/2022 to 9/13/2026
Training Valid Through

Director of Training

Monroe, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

American Traffic Safety Services Association ATSSA.com

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

ROBINSON NICOL, PE, PTOE

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Transportation Professional Certification Board, Inc.

certifies that

Robinson P. Nicol

has met all of the requirements established by the Certification Board
to use the title of

Professional Traffic Operations Engineer

unless withdrawn by the Certification Board and subject to the provisions for renewal.
Certificate number 4070 issued in Washington, DC, USA
7/18/2016

Kenneth W. Ackeret
Chair

PTOE
PROFESSIONAL TRAFFIC OPERATIONS ENGINEER
TRANSPORTATION PROFESSIONAL CERTIFICATION BOARD INC.

Jeffrey F. Paniati
Executive Director

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Congratulations!
Robinson Nicol

You have completed

Traffic Engineering Analysis Process & Report Class
Modules 1, 2 &3

Date: February 1-2, 2023
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

MARIA BERNARD REID

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

U.S. Department
Of Transportation
Federal Highway
Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Maria Reid

has participated in

NHI Course No. 142005
NEPA and Transportation Decisionmaking

hosted by

LA DOTD/LTRC

Date: **February 18-20, 2014**

Hours of Instruction: **18**

Location: **Baton Rouge, LA**

Daniel W. Johnson
Instructor

Instructor

Allison H. Landry
Local Coordinator

Richard Barnaby, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Maria Reid

has participated in

FHWA - NHI Course No. 142073
Applying Section 4(f): Putting Policy into Practice (2 Days)

hosted by

LA DOTD/LTRC

Date: **March 3-4, 2015**

Location: **Baton Rouge, LA**

Hours of Instruction: **12**

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

This is to certify that

Maria B. Reid

has completed the
National Preservation Institute seminar

Section 106: An Introduction

18 training hours

Baton Rouge, LA • December 10-12, 2013

Executive Director, National Preservation Institute

December 13, 2013
date

Maria Reid

From: Allison Landry
Sent: Wednesday, January 08, 2014 3:59 PM
To: Maria Reid
Cc: Jan Grenfell
Subject: LTRC Registration Confirmation

Follow Up Flag: Follow up
Flag Status: Flagged

REMINDER: LTRC WILL ONLY UPDATE THE EMPLOYEE'S ETRN RECORD TO REFLECT THIS TRAINING IF THIS FORM IS RETURNED TO THIS OFFICE UPON COMPLETION OF TRAINING!

The registration fee for following training is being paid by LTRC:

Name: Maria Reid
Date: February 27, 2014
Course: Army Corps of Engineers Regional Supplement Training
Location: New Orleans, LA
ETRN No·: 4 2534 A

For our project documentation and to verify attendance, we require the following:

1· Signed statement of completion of the training (see below)
2· A copy of the certificate of completion, if applicable·

The participant must complete the blanks below, and return this memo with documentation promptly after completion of the training to Allison Landry at Section 33 or fax to (225) 767-9176· After receipt of this information, we will update the employee's ETRN record to reflect the training·

Failure to attend will negate our agreement to pay for this training· In case of an emergency, the Section Head should be prepared to provide an alternate·

STATEMENT OF COMPLETION OF TRAINING

This is to certify that I have completed the above referenced training·

Was a certificate given? Yes X (If yes, please attach copy) No _____

EMPLOYEE SIGNATURE: Maria Bernard Reid

EMPLOYEE NUMBER: 00275999

Were you satisfied with this event? Yes _____ No X _____ (If no, please explain).

The instructor (Richard Chinn) was easily distracted and his discussions of off-topic items limited quality class time. I attended the class to learn more about the U.S. Army Corps of Engineers Regional Supplement, but that short portion of the day included reading portions of the Regional Supplement. I have already done that through self-study and teaching myself about the new methods. Overall, not a good expenditure of state funds.

Richard Chinn Environmental Training, Inc.

certifies that

Maria Reid

has successfully completed a

8 Hour Army Corps of Engineers Regional Supplement Wetland Delineation Training

issued this Certificate and 1.0 CEUs on this twenty-seventh day of February, 2014, in Metairie, Louisiana

Richard Chinn, PWS

Richard Chinn Environmental Training, Inc.
804 Cottage Hill Way, Brandon, FL 33511-8098
1.800.427.0307 • FAX: 1.888.457.6331 • info@richardchinn.com • http://www.richardchinn.com

SWB PCP PWS RICHARD CHINN 001365 PROFESSIONAL WETLAND SCIENTIST

INSTITUTE FOR WETLAND & ENVIRONMENTAL
EDUCATION & RESEARCH, INC.

CERTIFICATE OF TRAINING

This certifies that

MARIA BERNARD REID

has completed wetland delineation training in the use of the

CORPS WETLAND DELINEATION MANUAL

Note: This training has been based in part on the U.S. Army Corps of Engineers Wetlands Manual, Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program.

Barbara J. Tiner

Barbara J. Tiner, President

April 2003
Date

P.O. Box 288, Leverett, MA 01054 (413) 548-8866 www.wetlanded.com

VECTURA
CONSULTING SERVICES, LLC

CERTIFICATIONS

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Ms. Sheelagh B. Ferlito, P.E., PTOE
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Traffic Operations Engineer®® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 9/9/2024.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 9/9/2024. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 500 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • www.tpcb.org

Mr. Laurence L. Lambert, II, P.E., PTOE, PTP
Vectura Consulting Services, LLC
PO Box 14269
Baton Rouge, LA 70898-4269 USA

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 2/3/2025.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within **three-months** of your expiration date 2/3/2025. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificants to maintain records with regard fulfillment of continuing education requirements. Please be advised that as of January 1, 2018, TPCB is phasing in a policy in which 20% of certificant renewals will be randomly selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

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Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Laurence Lambert

From: Reece Rodrigue
Sent: Friday, June 10, 2022 8:55 AM
To: Laurence Lambert
Subject: FW: TPCB Renewal Approval Notice

See renewal notice below.

Reece Rodrigue, PE, PTOE
Vectura Consulting Services, LLC
m. 504.421.2782

From: info@ite.org <info@ite.org>
Sent: Friday, May 6, 2022 8:20 AM
To: Reece Rodrigue <rrodrigue@vecturacs.com>
Subject: TPCB Renewal Approval Notice

Transportation Professional Certificatic

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • F

Mr. Reece J. Rodrigue, P.E., PTOE
Vectura Consulting Services, LLC

Thank you for renewing your certification as a Professional Traffic Operations Engineer®® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 7/17/2025.

You will not be receiving a new certificate as the one sent to you does not indicate an expiration date and can be displayed as long as you are a certified PTOE. Note that your certificate shows your original certification date.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements described in the enclosed attachment.

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 7/17/2025. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information. http://www.tpcb.org/PTOE/feeschedule.asp

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selected for audit and the certificant will be required to provide documentation (certificates of completion, course syllabus, meeting agenda/registration, etc.) to demonstration fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2019 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

The TPCB distributes a quarterly newsletter and highlights the value of the its certification programs through the tpcb.org website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Deborah L. Snyder, P.E., PTOE
Chair, Transportation Professional Certification Board Inc.

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mrs. Kristen Gahagan Farrington, P.E., PTOE, RSP1
4004 Hastings Street
Metairie, LA 70002
USA

Dear Mrs. Farrington,

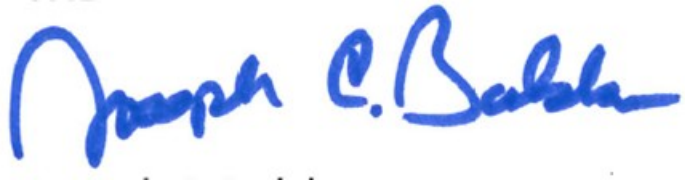
Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 3/26/2026.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,



Joseph C. Balskus, P.E., PTOE, RSP1
Chair, Transportation Professional Certification Board Inc.

Transportation Professional Certification Board Inc.
1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mrs. Bridget S. Robicheaux, P.E., PTOE
6410 Louis XIV Street
New Orleans, LA 70124
USA

Dear Mrs. Robicheaux,

Thank you for renewing your certification as a Professional Traffic Operations Engineer® (PTOE). The Transportation Professional Certification Board (TPCB) congrats you for your continued commitment to your profession. As a PTOE you will be recognized as one of a specialized group of professional Traffic Operations Engineers with the set of skills and expertise needed to build better communities.

Your certification is renewed through 3/26/2026.

At the end of the three-year period, your certification will be renewed without examination provided you have met the continuing education requirements.

Thank you for your continued PTOE certification and best wishes in the coming years.

Sincerely,

Joseph C. Balskus, P.E., PTOE, RSP1
Chair, Transportation Professional Certification Board Inc.

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: June 4, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: June 11, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: November 5, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report Module 2

Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report Module 3

Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | *Authorized Instructor* | *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018

Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: July 30, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Bridget Robicheaux

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor

Authorized Instructor

Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mrs. Sheelagh Brin Ferlito
2512 Tiger Crossing Drive
Baton Rouge, Louisiana 70810

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mrs. Sheelagh Brin Ferlito

License/Certificate Type - Number: PE.0025383

Expiration Date: 09/30/2023

Status: Active

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer
All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.

LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Laurence Lucius Lambert II
P. O. Box 14269
Baton Rouge, Louisiana 70898

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Laurence Lucius Lambert II

License/Certificate Type - Number: PE.0029901

Expiration Date: 03/31/2024

Status: Active

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mrs. Kristen Gahagan Farrington
4004 Hastings Street
Metairie, Louisiana 70002

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mrs. Kristen Gahagan Farrington

License/Certificate Type - Number: PE.0042785

Expiration Date: 03/31/2025

Status: Active

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Reece Joseph Rodrigue
6158 Catina Street
New Orleans, Louisiana 70124

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Reece Joseph Rodrigue

License/Certificate Type - Number: PE.0042074

Expiration Date: 03/31/2024

Status: Active

Fold Here

Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Bridget Scheyd Robicheaux
6410 Louis XIV Street
New Orleans, Louisiana 70124

Cut Here

LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Ms. Bridget Scheyd Robicheaux

License/Certificate Type - Number: PE.0041272

Expiration Date: 03/31/2025

Status: Active

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Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).

LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.

Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer
All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.

CERTIFICATIONS

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

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ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Elizabeth Hunt

has attended

Traffic Control Supervisor-LA State Specific

Training Course

3/10/2021 to 3/11/2021
Date

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

THE

Register of Professional Archaeologists

Certifies that

Elizabeth Hunt, M.A., RPA

Has met all professional qualifications
and has been accredited as a

Registered Professional Archaeologist

Terry M. Klein
President

RPA
Register of Professional Archaeologists

September 23, 2017
Date

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

John Lindemuth

has successfully completed

Introduction to Section 106 Review

Phoenix, Arizona
June 18-19, 2002

Associate Vice President & Dean,
College of Extended Studies

Instructor

Program Director

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Lindemuth

has attended

Traffic Control Supervisor Refresher-LA State Specific

Training Course

9/25/2020 to 9/25/2020
Date

Vice President of Member Services

Baton Rouge, LA
Location

President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.

ATSSA American Traffic Safety Services Association ATSSA.com

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS

The Lakvold Group, LLC

CERTIFICATIONS

PRIME CONSULTANT NAME: ATLAS TECHNICAL CONSULTANTS


MEMBERSHIP CERTIFICATE
This Certifies That
Angela Lemoine- Lakvold
has been admitted to membership as an
MAI Member
APPRAISAL INSTITUTE


APPRAISAL INSTITUTE
MEMBERSHIP CERTIFICATE
This Certifies That
Angela Lemoine
has been admitted to membership as an
SRA Member
in the Appraisal Institute and is
entitled to all the rights and privileges of membership
subject only to the limiting conditions set forth from time to time
in the Bylaws and Regulations of the Appraisal Institute.
In Witness Whereof, the Board of Directors of the Appraisal Institute has
authorized this certificate to be signed in its behalf by the President, and the
Corporate Seal to be hereunto affixed on this 15th day of January, 1993
Patricia J. Marshall
PRESIDENT
THIS CERTIFICATE IS THE PROPERTY OF THE APPRAISAL INSTITUTE AND MUST BE RETURNED TO THE SECRETARY UPON TERMINATION OF MEMBERSHIP.

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Lakvold Group, LLC

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

NC531320

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

Certificate Eligibility: July 2022 to July 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

The International Right of Way Association

R/W-AC CERTIFIED
INTERNATIONAL RW ASSOCIATION

Hereby certifies that

Angela Lemoine-Lakvold, R/W-AC

has successfully completed the exam, experience and course curriculum requirements for this certification demonstrating the aptitude to understand, communicate and perform within standards of the right of way profession as required by the Credentialing Committee for the discipline, and is authorized as

Right of Way - Appraisal Certified

Certified: 01/01/2012

Recertification Due: 01/01/2027

Judy Jones , SR/WA
International President

Elizabeth Smith, SR/WA
Vice Chair, International Professional Education Committee

IRWA
BUILDING A BETTER WORLD TOGETHER

State of Louisiana

Certified General Appraiser License

Having complied with the license requirements as set forth in in R.S.1950 Title 37, Chapter 31, and Amendatory Acts, and the Real Estate Appraisers Board Rules and Regulations, a Certified General Appraiser License is hereby granted to Angela Lemoine-Lakvold

In Testimony Whereof, This license has been issued by the Authority of the Louisiana Real Estate Appraisers Board.

Period Covered: January 1, 2022 Through December 31, 2023

Kara Ann Platt
Chairman

License Number: G0575

Rebecca A. Rothschild
Secretary

section 21

qa/qc plan

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

section 22

sub-consultant information

22. Sub-consultant Information:

Firm Name (Name must match as registered with Louisiana's Secretary of State	Address	Point of Contact and Email Address	Phone Number
Vectura Consulting Services, LLC	800 Innovation Park Dr. Baton Rouge, LA 70820	Sheelagh Brin Ferlito bferlito@vecturacs.com	(225) 223-6685
Gulf South Research Corporation	8081 Innovation Park Dr. Baton Rouge, LA 70820	Suna Adam suna@gsrcorp.com	(225) 757-8088
The Lakvold Group, LLC	4520 Jamestown Ave, Suite 1 Baton Rouge, LA 70808	Angela Lemoine-Lakvold angie@thelakvoldgroup.com	(225) 248-9984

section 23

location

23. Location: