

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

October 17, 2024

Statement of Qualifications

Contract No. 4400030072

IDIQ Contract for Design Service Statewide with the Majority of the
Work in District 08

October 17, 2024

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

RE: Contract No. 4400030072
IDIQ Contract for Design Service Statewide with the Majority of the Work in District 08

Halff Associates, Inc. (Halff) is pleased to offer the Louisiana Department of Transportation and Development (LADOTD) a robust and experienced team eager to collaborate with you. Our team has LADOTD experience in similar roadway projects, studies, and designs, including all scope elements to support this project. Since 1950, Halff has been improving lives and communities, providing multi-disciplinary engineering design services to our clients. Our culture of collaboration, which includes our employees, consultant team members, and the project owner, is a cornerstone of our approach. This philosophy of collaboration allows Halff to deliver more innovative solutions to LADOTD that resolve project needs in a timely, robust, and cost-effective manner. Halff strives to deliver projects that are innovative, sustainable, and aesthetically pleasing, with a human touch for LADOTD and the community at large.

To best serve you, we have put together a team with decades of experience and knowledge of Louisiana:

Vectura Consulting Services, LLC (Vectura) will deliver 100% of the comprehensive traffic management and engineering analysis support for this IDIQ contract, aiding Halff and LADOTD in pavement preservation, transportation systems management (TSM), and related projects at the designated sites within Districts 61 or 62. As a Disadvantaged Business Enterprise (DBE) recognized by the Louisiana Department of Transportation Development, Vectura is both a Certified Women-Owned Business and a Certified Small and Emerging Business Enterprise with a focus on transportation engineering.

NTB Associates (NTB), will perform 100% of the surveying that is required for this IDIQ contract. Established in Louisiana in 1986, with offices in Shreveport and Zachary, NTB has served LADOTD with many successful survey projects. We are pleased they have joined the Halff team with the experience necessary, the capacity and the local availability of surveying crews in Shreveport. The topographic surveys and any additional services performed for this program will be in accordance with the current edition of LADOTD Location and Survey Manual.

Ardaman & Associates, Inc. (Ardaman) will perform 100% of the geotechnical services for this IDIQ contract as needed. Ardaman was founded in 1959 and has 14 branch offices throughout Louisiana, Florida, and Texas. With a local office in Shreveport and their vast experience with LADOTD, we are excited about this teaming arrangement and the available resources with expeditious analytical results. All specific scope guidelines listed in this advertisement will be followed on as deemed necessary for successful completion of this IDIQ Contract.

The Halff Team has been hand-selected to provide you with a team with decades of experience from multiple offices across Louisiana.

We look forward to working with you on this IDIQ Contract.

Sincerely,



Halff Associates, Inc.
Brant B. Richard, PE
Principle in Charge
brichard@halff.com



Halff Associates, Inc.
Marcus Taylor, PE
Project Manager
mtaylor@halff.com


DOTD FORM: 24-102

(Revised September 17, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	IDIQ Contract for Design Service Statewide with the Majority of the Work in District 08
2. Contract Number(s) as shown in the advertisement	4400030072
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Halff Associates, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0003207
6. Prime consultant mailing address	4467 Bluebonnet Blvd., Suite B Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	401 Market Street, Suite 650 Shreveport, LA 71101
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Brandon Aillet • Operations Manager - Shreveport Deputy Project Manager 318.716.6130 • baillet@halff.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Brant B. Richard, PE • Operations Manager - Baton Rouge Principal in Charge 225.252.9182 • brichard@halff.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. Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.	 Signature above shall be the same person listed in Section 9: October 17, 2024 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.	Firm(s): Vectura Consulting Services, LLC Firm(s)' %: 10%

12 Past Performance Evaluation Discipline Table

Past Performance Evaluation Disciplines	% of Overall Contract	Halff Associates, Inc.	Vectura Consulting Services, LLC	NTB Associates, Inc.	Ardaman & Associates, Inc.	Each Discipline Must Total to 100%
Bridge	30%	100%				100%
Geotech	10%				100%	100%
Right of Way	10%			100%		100%
Road	30%	100%				100%
Survey	10%			100%		100%
Traffic	10%		100%			100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100%	60%	10%	20%	10%	

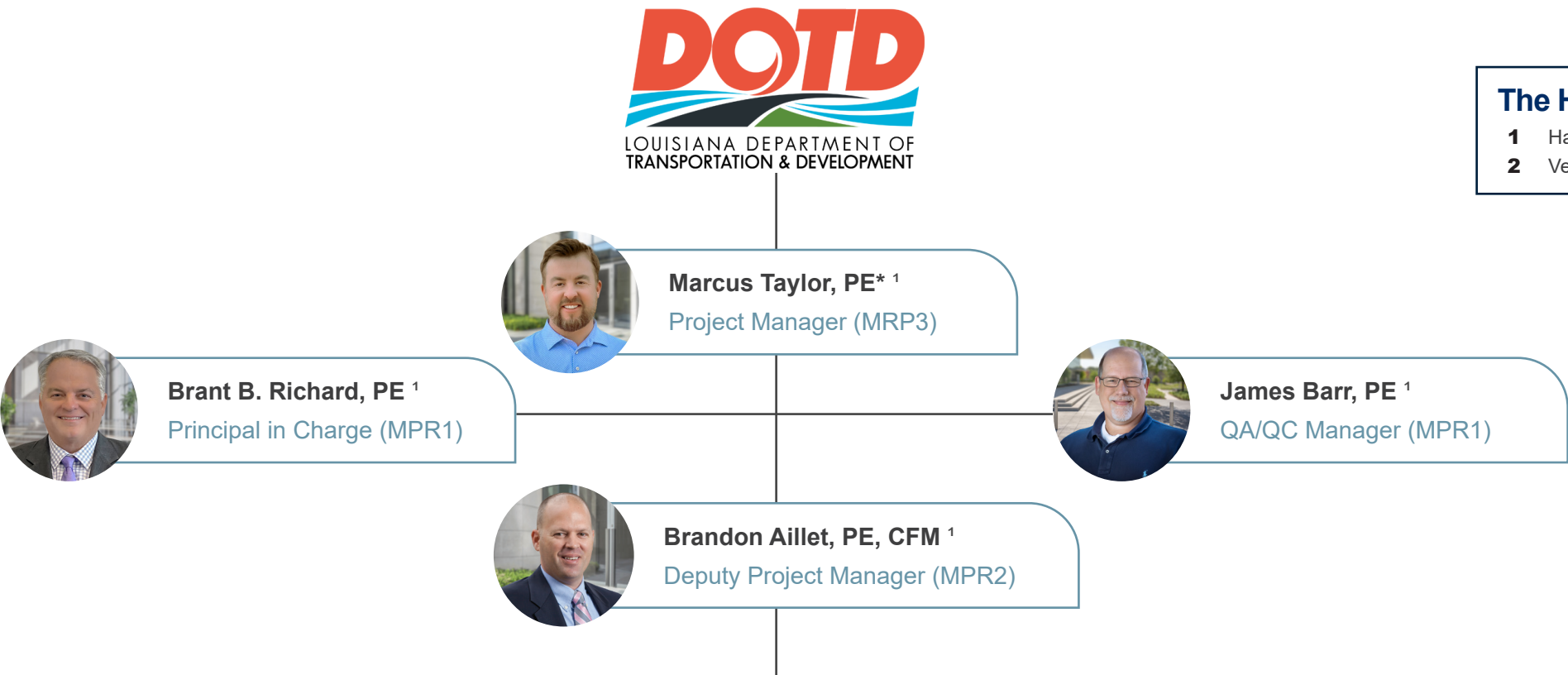
13 Firm Size

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (If Needed)
Halff Associates, Inc.	Administrative	5	216
	CADD Technician	2	86
	Computer Analyst		41
	Designer		95
	Engineer	11	550
	Engineer Intern	5	121
	Environmental Professional		46
	Geologist		6
	GIS Analyst	2	48
	Graphics		5
	Inspector		47
	ITS Technician		5
	Landscape Architect		54
	Planner		35
	Surveyor		150
	TOTAL	25	1,505

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (If Needed)
Vectura Consulting Services, LLC	Supervisor - Eng	2	2
	Engineer	3	3
	Engineer Intern	0	2
	Senior Technician	0	2
	Supervisor - Other	0	1
	Technician	0	1
	Clerical	0	1
	TOTAL	5	12
NTB Associates, Inc.	Principal	1	1
	Engineer	0	1
	Surveyor	5	7
	Supervisor - Other	1	3
	Senior Technician	0	1
	CADD Technician	1	6
	Technician	1	2
	CADD Drafter	2	6
	Party Chief	4	19
	Instrument Man	4	7
	Rodman	4	7
	TOTAL	23	60

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (If Needed)
Ardaman & Associates, Inc.	Administrative	1	1
	Clerical	1	2
	Engineer	2	4
	Engineer Intern	3	6
	Principal	2	2
	Senior Technician	7	9
	Supervisor - Eng	3	3
	Supervisor - Other	2	2
	Technician	10	14
	TOTAL	31	43

14 Organizational Chart



The Halff Team

- | | | | |
|----------|---------|----------|---------|
| 1 | Halff | 3 | NTB |
| 2 | Vectura | 4 | Ardaman |

Services

Roadway Design/Engineering

Jared Boogaerts, PE ¹ (MPR2)
Morgan Harris, PE ¹ (MPR3)
German Velazquez, PE ¹ (MPR3)

Bridge Design/Engineering

Eric Christiansen, PE ¹ (MPR3)
Brian LaFoy, PE ¹ (MPR2)

Hydrologic and Hydraulic

Scott Rushing, PE ¹
Victor Bivens, PE ¹ (MPR2)

Traffic Management

Sheelagy Ferlito, PE**, PTOE ²
Laurence Lambert, II, PE**, PTOE, PTP ²
Reece Rodrique, PE**, PTOE, RSP1 ²
Kristen Farrington, PE**, PTOE, RSP1 ²
Bridget Robicheaux, PE ²

Survey Services

Brian Bunch, PLS ³ (MPR4)
Patrick Stainao, PLS* ³ (MPR4)
Mike King, PLS ³ (MPR4)
Chris Harlan, Jr. ³ (MPR4)
Grant Gilleon, PLS ³ (MPR4)

Survey/ROW Support

T.J. Sittton ³
Adam King ³
Iniko Jack* ³
Will Wales* ³
Chip LeCoq ³
Captayn Chapman* ³
William Offer ³

Geotechnical Engineering / Testing

Megan Boureois, PE ⁴
Robert Jewell, PE* ⁴
Robert Rousset, PE ⁴
Ross McGillivray, PE ⁴
Jarmon King, PE ⁴
Jessica Litt ⁴
Donald Anthony ⁴

*Traffic Control Supervisor Training Certificate

**Traffic Engineering Analysis Certificate


15 Minimum Personnel Requirements


MPR No. Do not insert wording from ad	Personnel Being Used to Meet the MPR (Individuals(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the Advertisement)	Firm Employed By	Type of License and Discipline Meeting MPR/ Certification & Number (Ex: PE # - Civil)	State of License	License / Certification Expiration Date
1	Brant B. Richard, PE	Halff Associates, Inc.	PE #28567 - Civil	Louisiana	09/30/25
2	Robert (Brandon) Aillet, PE, CFM	Halff Associates, Inc.	PE #33402 - Civil	Louisiana	03/31/26
3	Marcus Taylor, PE	Halff Associates, Inc.	PE #40539 - Civil	Louisiana	09/30/26
4	Brian Bunch	NTB Associates, Inc.	PLS #5014	Louisiana	03/31/26


16 Staff Experience

Firm Employed By		Halff		
Name	Brant Richard,, PE	Years of Relevant Experience with this Employer	1	
Title	Operations Manager Baton Rouge	Years of Relevant Experience with Other Employer(s)	35	
Degree(s) / Years / Specialization		BS / 1988 / Civil Engineering		
Active Registration Number / State / Expiration Date		#28567 / LA / 09/30/25; #17661 / MS / 12/31/24		
Year Registered	LA 1999 / MS 2006	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities		MPR1 and Principal in Charge		
<p>Bio: Brant's extensive professional career that spans over three decades in civil engineering, including specialized projects with the Louisiana Department of Transportation and Development (LADOTD), is a testament to his wealth of expertise. His proven history, particularly in LADOTD roadway design projects, is a vital qualification for his role as the principal in charge, overseeing every aspect of this pavement preservation project from conception to completion. He can oversee successful project development and has a track record of exceeding expectations regarding quality, integrity, and timeliness of deliverables. Client satisfaction is a key trait to his success, and he strives for the opportunity to prove with every project. His experience spans the design of transportation-related projects, from roadway design to overseeing and mentoring young engineers to managing a team of professional engineers on projects such as this. His comprehensive understanding of all the policies and procedures of LADOTD enables him to bring the expertise needed to make this pavement preservation project a success.</p>				
3/13 - 8/13	LADOTD / LA 520, Jct. US 79 Widening Claiborne Parish, LA.H.010297.5. <i>Project Principal.</i> Responsible for the roadway rehabilitation design and plan preparation for approximately 6 miles of rural roadways in District 4. The scope of work included roadway super elevation design and correction, bridge guardrail design, asphaltic concrete (AC) overlay, AC patching, milling and overlay of the bridges, and roadway striping.			
11/16 - 3/17	LADOTD LA 675 & LA 87 Improvements Iberia Parish, New Iberia, LA H.011781.5. <i>Project Principal.</i> Responsible for the roadway rehabilitation design and plan preparation for approximately 2.3 miles of urban roadways under a task order from the LADOTD Pavement Preservation Retainer Contract. The project scope of work includes pavement widening, milling, asphaltic concrete (AC) overlay of composite pavement, AC patching, sawing and sealing of AC overlay lifts over Composite Pavement, roadway striping, ADA ramps, and the installation of access control safety improvements.			
9/14 - 12/15	LADOTD LA 64 & LA 1209 Overlay East Baton Rouge Parish, Zachary, LA H.011703.5. <i>Project Principal.</i> Responsible for the roadway rehabilitation design and plan preparation for approximately 6.7 miles of urban roadways under a task order from the LADOTD Pavement Preservation Retainer Contract. The scope of work includes, milling, AC overlay of AC pavement, AC patching, Portland Cement Concrete Pavement (PCCP) patching, guardrail design and replacement, superelevation design, roadway striping, and ADA ramps.			
6/11 - 10/15	LADOTD/Paths to Progress Program Groups 21, 24, 29 and 33 New Orleans, LA H.009718 and H.009695. <i>Project Principal.</i> Responsible for the roadway rehabilitation design and plan preparation for 10.8 miles of urban roadways in Jefferson and Orleans Parishes. Scope included cold plane overlay, curb repairs, the installation of Type A and Type B handicapped (ADA) ramps, asphaltic Concrete Pavement Widening, Portland Cement Concrete Pavement patching, Superpave asphaltic Concrete Overlays, pavement base course patching, and roadway striping. Additional tasks included drainage design, bus pad repair, horticultural landscaping enhancements, and sidewalk repairs.			
1/15 - 5/18	LADOTD / CMAR Alternative Delivery Support Services Statewide, LA. <i>Project Principal.</i> Responsible for assisting LADOTD. Responsible for the development, preparation, and presentation/coordination with Stakeholders for the implementation of Construction Manager at Risk (CMAR) policies, procedures, and guidelines for use by LADOTD.			
01/23 - 04/24	Hooper Road (LA 408) Improvements East Baton Rouge Parish, LA (H.002316 / C.P. No. 12-CS-HC-0017). <i>Project Manager and Senior Engineer.</i> Responsible for providing QA/QC for 90% design set which includes minimum construction signing and suggested sequence of construction and the permanent striping and signing. All geometrics are consistent with MOVEBR and are in accordance with LADOTD guidelines. The project scope includes the widening of an existing 2-lane roadway to a 4-lane boulevard to increase capacity from Blackwater Road to Joor Road.			




Firm Employed By	Halff			
Name	Marcus Taylor, PE	Years of Relevant Experience with this Employer	2	
Title	Public Works Team Lead	Years of Relevant Experience with Other Employer(s)	18	
Degree(s) / Years / Specialization	BS / 2004 / Civil Engineering			
Active Registration Number / State / Expiration Date	#40539 / LA / 09/30/24; #16932 / AR / 12/31/24			
Year Registered	LA 2016 / AR 2015	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities	MPR3 and Project Manager			
Bio: Marcus is a civil engineer specializing in transportation and public works project management. He has broad knowledge of roadway design, traffic control plans, drainage, and stormwater runoff. As a project manager, Marcus oversees the entire project lifecycle, from design calculations and roadway design plan preparation to coordination with support disciplines and subconsultants. Marcus collaborates seamlessly with regional offices and regulatory agencies, leveraging his extensive understanding of local regulations and roadway design to oversee the delivery of exceptional projects that meet clients' needs while adhering to strict safety and quality standards.				
07/22 - ongoing	City of Shreveport 2022 Roadway and Drainage Master Service Agreement Shreveport, LA. <i>Project Manager.</i> Responsible for overseeing this master service agreement, which involves citywide planning and design support. Project types include CIP planning services, roadway panel replacement, pavement repair guide template design, on-call engineering services, roadway drainage improvements, signal and intersection design, roadway rehabilitation, and flood wall design.			
06/23 - 07/24	David Raines Road Rehabilitation Shreveport, LA. <i>Project Manager.</i> Responsible for overseeing the David Raines Road roadway improvements project. This involved a comprehensive overhaul of the existing infrastructure, including replacing the outdated concrete panels and installing new curbs, gutters, sidewalks, and ADA-accessible ramps at each intersection. In addition to the core project tasks, I was also responsible for coordinating with the relevant utility providers, managing the bidding process, and overseeing all aspects of the construction administration.			
05/23 - 07/24	Audrey Lane Road Rehabilitation Shreveport, LA. <i>Project Manager.</i> Responsible for overseeing the roadway improvements for Audrey Lane, which included rehabilitating approximately 3,700 linear feet of existing concrete roadways, driveways, and sidewalks and designing for ADA accessibility at each intersection. Additional responsibilities included directing and supervising the development of the proposed drainage outfall and assisting in the utility coordination and construction administration services.			
02/24 - 12/24	St. Charles Mill and Overlay Shreveport, LA. <i>Project Manager.</i> Responsible for overseeing the rehabilitation and improvements of a .5-mile stretch of a residential two-lane, asphaltic concrete pavement roadway and intersection. The project includes milling and overlaying the pavement sections, as well as full-depth roadway reconstruction and replacement of concrete panels at the intersections while redesigning to provide ADA accessibility.			
05/22 - 07/24	Linwood Avenue Reconstruction, Phase 3 Shreveport, LA. <i>Project Manager.</i> Responsible for roadway improvements to replace concrete panels and sidewalks and incorporate ADA-accessible ramps at each intersection along Linwood Ave. from Mount Zion Road to West 84th Street. Coordination with LADOTD was necessary for this project to access LA-3132.			
03/17 - 08/19	Streetscape Improvements US71 Bossier City, LA. <i>Project Engineer.</i> Responsible for designing 9,300 linear feet of reinforced concrete sidewalks along US 71 (Barksdale Blvd). Responsible for developing preliminary design plans and engineering cost estimates. Preliminary design plans included a title sheet, general notes sheet, project layouts, cross sections, drainage layout sheets, and plan and profile sheets. Worked closely to coordinate with utility companies and the client during the design phase of the projects.			
10/22 - 7/23	LA Highway 3 Traffic Study and Intersection Improvements Benton, LA. <i>Project Manager.</i> Responsible for collecting turning movement and traffic counts along LA Highway 3 and intersecting streets to determine the turn lane requirements for a new sawmill development under construction. It was determined that a right turn lane for northbound traffic and a left turn lane for southbound traffic was required. Prepared DOTD-level construction plans, specifications, and estimates for constructing the required turn lanes. Coordinated plan set approval with the client, third-party site engineer, Parish representatives, DOTD, and contractor.			

Firm Employed By	Halff			
Name	Brandon Aillet, PE, CFM	Years of Relevant Experience with this Employer	13	
Title	Operations Manager Shreveport	Years of Relevant Experience with Other Employer(s)	13	
Degree(s) / Years / Specialization	BS / 1998 / Civil Engineering			
Active Registration Number / State / Expiration Date	#33402 / LA / 03/31/26; #90842 / TX / 12/31/24			
Year Registered	LA 2007 / TX 2003	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities	MPR2 and Deputy Project Manager			
<p>Bio: Brandon's extensive experience in the design and plan preparation of private and public sector projects is a testament to his expertise. He has been responsible for conceptual layout, site planning, zoning, geometric layout, roadway horizontal and vertical alignment layout, roadway corridor modeling, pavement joint layout, utility design, storm sewer and detention design, erosion control design, and plan preparation for a wide range of projects including general site development, roadway/highway design, residential subdivision planning, and design, commercial warehouse site development, and related engineering work. Brandon's expertise is further demonstrated through his performance of many site evaluations and preliminary site plans for commercial and residential clients across North Louisiana. He has also represented his clients at numerous public hearing meetings, showcasing his ability to navigate complex situations with ease.</p>				
10/16 - 1/204	<p>Cleveland-Gibbs Road Cleveland-Gibb Road Northlake, TX. <i>Project Manager.</i> Responsible for managing the design of construction plans for the construction of Cleveland-Gibbs Road, a four-lane divided thoroughfare approximately 5,400 linear feet in length. Cleveland-Gibbs Road begins at FM 407 and extends south approximately 4,300 linear feet to just north of Mulkey Lane. Only the northbound two lanes will be constructed with this segment. The project also includes Cleveland-Gibbs Road starting at FM 1171 and extends north approximately 1,100 linear feet. Only the two southbound lanes will be constructed with this segment. The design includes paving and drainage improvements. Other key elements include coordination with the Town of Corral City and TxDOT.</p>			
04/20 - 03/21	<p>Royston Lane Pflugerville, TX. <i>Project Engineer.</i> Responsible for the engineering and design to increase a 3,200-foot two-lane asphalt roadway into a three-lane concrete curbed thoroughfare, enhancing traffic capacity and flow. The upgrade included a 6-foot-wide sidewalk to improve pedestrian access. Additionally, a 2,000-foot storm sewer system with twenty-five curb inlets and triple box culverts was installed to efficiently manage stormwater and mitigate creek flooding.</p>			
06/15 - 03/16	<p>Woolworth Road Bridge Replacements Caddo Parish, LA. <i>Project Manager.</i> Responsible for the design and construction document preparation for the three load-rated off-system bridge replacements with a seven-span slab span bridge, a nine-span slab span bridge, and three eight by eight precast box culverts. Determined existing 100-year runoff rates using Hydraflow Hydrographs for a 56 sq mi watershed, and determined the grading, bridge spans, and culvert sizes by creating HEC-RAS models of Brushy Bayou and existing minor creeks to determine potential water level rise.</p>			
08/13 - 02/14	<p>AR Teague Parkway Modifications Bossier City, LA. <i>Design Engineer.</i> Responsible for designing and planning production for the reconstruction of roadway, storm drainage, guard rail, and ditch grading to fix existing horizontal curvature that did not meet the AASHTO design speed criteria. Approximately 1,700 linear feet of 2-lane roadway with shoulders was redesigned.</p>			
01/07 - 01/09	<p>Swan Lake Road Roadway Improvements Bossier City, LA. <i>Design Engineer.</i> Responsible for designing and planning production of approximately 6,000 linear feet of existing roadway removal and construction of a 5-lane concrete roadway, with associated grading, storm sewer systems, roadside ditches, utilities, striping, and sequence of construction. Proposed utilities include storm sewer piping ranging from 15-in to 54-in in diameter and new 20-in water main and sanitary sewer system with mains ranging in size from 12-in to 18-in in diameter, including a new regional sanitary sewer lift station.</p>			


Firm Employed By	Halff			
Name	James Barr, PE	Years of Relevant Experience with this Employer	6	
Title	Vice President Transportation Team Leader	Years of Relevant Experience with Other Employer(s)	24	
Degree(s) / Years / Specialization	BS / 1994 / Civil Engineering			
Active Registration Number / State / Expiration Date	#30858 / LA / 03/31/26; #9808 / AR / 12/31/24			
Year Registered	LA 2003 / AR 1999	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities		MPR1 and QA/QC Manager		
Bio: James brings a wealth of transportation design experience to the team, encompassing all aspects of highway design. His expertise includes the design of horizontal and vertical geometry, roadway sections, interchange layouts, permanent pavement marking, pavement design, erosion control devices, and drainage structures. Additionally, James is skilled in traffic signal design, hydraulics, right of way and construction plan preparation, as well as project coordination and management.				
03/21 - current	Arkansas Department of Transportation (ARDOT) On-Call Design Springdale Bypass Springdale, AR. <i>Lead Engineer.</i> Responsible for estimating project costs and developing preliminary alignments for various work orders. The first work order includes an analysis of two conceptual interchange designs at Highway 71B (N Thompson St) and Highway 265 (Old Wire Rd) for acceptability as part of the Springdale Bypass eastern connection from I-49 to Highway 412. The second work order includes the design of a new alignment for Highway 612 Section 2. The design includes three miles of mainline design and 18 bridges.			
03/20 - current	ARDOT On-Call Design TO 142 (Hwy 270) Grant and Jefferson Counties, AR. <i>Project Manager.</i> Responsible for the widening of Highway 270 along Section 9 to improve safety and capacity. The total project length is 4.80 miles. The scope of services includes roadway design and construction plans. The construction plans include roadway design for the passing lane, hydraulic design for cross drains and side drains, maintenance of traffic plans, erosion control plans, and special design details and quantities.			
03/21 - current	ARDOT On-Call Design TO 184 (Pine Hill Creek) Fulton County, AR. <i>Project Manager and Lead Engineer.</i> Responsible for the Bridge and approach improvements replacing Structure Number M3262 on Highway 395 along Section 1 at Log Mile 7.36. The scope of services included roadway design and plans, bridge design and plans, and hydraulic modeling of Pine Hill Creek. The construction plans included roadway design, bridge design, maintenance of traffic plans, erosion control plans, hydraulic design, and hydraulic modeling. The proposed bridge replacement is a 138-ft continuous W-beam girder unit (42'-53'-42' spans) to replace the existing 60ft concrete T-beam structure.			
11/21 - 1/24	ARDOT On-Call Design TO 038 (Pavement Preservation) Statewide, AR. <i>Principal in Charge.</i> Responsible for providing design services for statewide pavement preservation projects. The roadway improvement plans covered a six-mile stretch along Highway 278, including sections 5 and 6, as well as section 3 of Highway 29. The project encompassed developing typical sections and summarizing quantities for mill and overlay sections, guardrails, erosion control measures, signage, and pavement markings.			
2/19 - 11/19	TxDOT Paris District, IH 30 from FM 2642 to SH 34 Schematic Design Hunt County, TX. <i>Lead Engineer.</i> Responsible for design schematic for eight miles of IH 30 from the Sabine River to FM513 in Hunt County, Texas. This project includes 24.3 miles of design schematic work to widen IH 30 from four lanes to six lanes. The work includes horizontal and vertical geometry, two-way to one-way frontage road conversion, improving vertical clearances for bridges to 18.5 feet, and entrance and exit ramp geometry.			
10/18 - 09/19	City of Little Rock Mabelvale Pike Little Rock, AR. <i>Lead Engineer.</i> Responsible for the preparation and development of roadway improvement plans for Mabelvale Pike from Sibley Hole Road to Helm Street. This was a joint project between the City of Little Rock and the Little Rock School District. The project included street widening, drainage improvements and a roundabout. Design included street design, drainage design, sidewalk and bike lane design, erosion control plans and maintenance of traffic plans.			
2013 - 2018	ARDOT On-Call Construction Engineering and Inspection Services Statewide, AR. <i>Project Manager.</i> Responsible for the on-call services contract for construction engineering and inspection services for utility and roadway improvement project statewide. Work orders were issued for three supplemental services projects and two full-service construction management projects.			

Firm Employed By	Halff			
Name	Jared Boogaerts, PE, LSI	Years of Relevant Experience with this Employer	<1	
Title	Senior Project Manager	Years of Relevant Experience with Other Employer(s)	12	
Degree(s) / Years / Specialization	BS / 2012 / Civil Engineering			
Active Registration Number / State / Expiration Date	#41026 / LA / 03/31/25			
Year Registered	LA 2016	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities	MPR2 and Roadway Design/Engineering			
Bio: Jared is a senior project manager with extensive expertise in drainage and street design. He has successfully managed numerous projects across north Louisiana, specializing in hydrologic and hydraulic analyses, including watershed delineation, runoff routing investigations, adverse impact studies, detention design, and general site drainage design. Jared excels in creating comprehensive paving plans and effective erosion control measures, overseeing the development of sanitary sewer systems, and utility planning for both commercial and residential sites. Recognized for his authoritative knowledge, Jared has served as an expert witness in drainage-related lawsuits and is skilled in gage frequency analyses, runoff calculations using rational and SCS methods, and regional regression analysis, making him a valuable asset in the field of hydrologic and hydraulic engineering.				
09/24 - current	Millennium Drainage Improvements Shreveport, LA. <i>Project Manager</i> . Responsible for evaluating the existing roadway drainage system to decide on modifications or replacements necessary to properly convey runoff for the new developments within this recent rehabilitation area of Shreveport. Currently leading a team of engineers to design drainage improvements and develop construction plans for the City of Shreveport to correct the issues.			
10/22 - 04/23	Dos Hermanos Road Cotulla, TX. <i>Project Manager</i> . Responsible for overseeing the surveying of the existing conditions, performing hydrologic and hydraulic analyses, designing the roadway (including typical section, vertical and horizontal alignment, low water crossings, and culvert crossings), developing an extensive phasing plan to minimize traffic congestion, and drafting construction documents conveying the design for this 3-mile stretch of road which is an extension of Briscoe Road (see below).			
09/18 - 07/22	Hummingbird Lane, Hills of Eastwood Subdivision Bossier Parish, LA. <i>Project Engineer</i> . Responsible for the design and creation of construction documents for a 0.8-mile asphalt road, including concrete curbs and gutters with concrete intersections. The natural landscape posed significant design challenges but collaborating with the Bossier Parish Police Jury (BPPJ) allowed for the development of typical sections, vertical and horizontal alignments, and subsurface drainage solutions to meet their standards. This roadway has now been built and approved by the BPPJ as a Parish Road.			
10/16 - 04/18	Briscoe Road Cotulla, TX. <i>Project Engineer</i> . Responsible for surveying the existing conditions, performing hydrologic and hydraulic analyses, designing the roadway (including typical section, vertical and horizontal alignment, low water crossings, and culvert crossings), developing an extensive phasing plan to minimize traffic congestion, and drafting construction documents conveying the design for a new 3-mile long well road.			
08/13 - 02/14	Woodmont Place Roadway Rehabilitation Shreveport, LA. <i>Project Designer</i> . Responsible for the survey and documentation of the existing conditions, development of a typical section, and preparation of construction plans. The plans included roadway alignment, joint details, demolition plans, and estimated quantities for the roadway rehabilitation in a residential neighborhood.			


Firm Employed By	Halff		
Name	Morgan Harris, PE	Years of Relevant Experience with this Employer	2
Title	Project Manager	Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	BS / 2016 / Civil Engineering		
Active Registration Number / State / Expiration Date	#45310 / LA / 09/30/25; #21698 / AR / 12/31/24		
Year Registered	LA 2021 / AR 2023	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR3 and Roadway Design/Engineering		
Bio: Morgan is a skilled engineer with proficiency in inspecting various work items, managing teams of construction observers, completing daily work reports, paying contractors, and designing overlays using MicroStation. With a solid background in civil engineering, working primarily on DOTD projects, Morgan consistently provides the highest quality, efficiency, and safety standards for roadway construction projects. He possesses excellent leadership and communication skills, fostering a collaborative work environment and keeping his team on task. Morgan's expertise in MicroStation enables him to design overlays that enhance the functionality and aesthetics of transportation infrastructure. With a proven track record of delivering exceptional results, Morgan is dedicated to upholding the highest standards of professionalism and contributing to successful project outcomes.			
01/17 - 03/23	LADOTD, LA 616 2-to-5 Lane Expansion from LA 143 to Caldwell Road District 05, LA. <i>Project Engineer.</i> Responsible for providing engineering oversight on a 3.5-mile project, including a two-to-five-lane expansion and four roundabouts. Harris wrote and approved change orders, analyzed elevations, reviewed and approved material tests, DWRs, and pay estimates, and recommended solutions to problems that arose on-site.		
02/21 - 03/23	LADOTD, LA 3033 Cheniere Lake Spillway and Bridge Replacement District 05, LA. <i>Project Engineer.</i> Responsible for providing engineering oversight on the replacement of an existing bridge and spillway for a 3,200-acre lake. This project included the construction of four earthen cofferdams, a well-point system, a spillway, and a slab span bridge. Harris wrote and approved change orders, reviewed and approved pay estimates and project schedules, facilitated responses to RFIs, held bi-weekly meetings, and routinely spoke with elected officials to keep them updated on the status of the project.		
12/22 - 03/23	LADOTD, LA 15 Chip Seal from US 425 to US 165 District 05, LA. <i>Project Engineer.</i> Responsible for providing engineering oversight on a 14-mile chip seal project that also included the removal and replacement of guard rails at four bridges. Harris wrote and approved change orders and pay estimates, responded to RFIs from the contractor, and effectively worked with the contractor to mitigate project delays and inconvenience for the traveling public caused by weather limitations.		
04/22 - 9/22	LADOTD, LA 135 Rehab from LA 15 to Antioch Road District 05, LA. <i>Project Engineer.</i> Responsible for providing engineering oversight on a full rehabilitation of a 5-mile section of LA 135, including milling, a cement-stabilized base, and two lifts of asphalt. Harris wrote and approved change orders and pay estimates, reviewed and approved DWRs, material tests, and project schedules, and effectively communicated with the contractor.		
03/22 - 07/22	LADOTD, Herman Dickerson Road Bridge over Antioch Creek Tributary District 05, LA. <i>Assistant Project Engineer.</i> Responsible for providing engineering oversight on the replacement of an off-system timber bridge with a slab span bridge. Mr. Harris wrote and approved change orders and pay estimates, reviewed and approved estimates, material tests, and project schedules, and communicated effectively with the contractor.		
01/22 - 03/22	LADOTD, US 165 Lighting from Charleston Street to LA 15 District 05, LA. <i>Project Engineer.</i> Responsible for providing engineering oversight on the installation of streetlights in the median of US 165 to improve pedestrian safety. Mr. Harris wrote and approved change orders and pay estimates, reviewed and approved DWRs, material tests, and project schedules, responded to RFI's, and worked with the project manager and utility coordinator to resolve utility conflicts.		
11/20 - 11/21	LADOTD, US 80 Bridge Replacement over I-20 District 05, LA. <i>Assistant Project Engineer.</i> Responsible for providing engineering oversight on the replacement of a US-80 overpass over I-20 in Calhoun, LA. To minimize the impact on the traveling public, the 290' girder span bridge was constructed in the Gore area and moved into place by Mammoet. Wrote change orders, recommended solutions to problems that arose on-site, and reviewed and approved material tests and DWRs. He worked to improve traffic control management issues by notifying Google and Apple Maps of necessary closures.		
07/21 - 11/21	LADOTD, LA 132 Rehab from LA 135 to LA 561 District 05, LA. <i>Assistant Project Engineer.</i> Responsible for providing engineering oversight on the full-depth repair of a 5.4-mile segment of LA 132, including milling, undercut, soil cement stabilized base, and two lifts of asphalt. Harris assisted the Resident Engineer by writing change orders, reviewing pay estimates as necessary, reviewing field books for accuracy, and reviewing and approving DWRs and material tests.		






Firm Employed By	Halff				
Name	German Velazquez, PE	Years of Relevant Experience with this Employer	<1		
Title	Project Manager	Years of Relevant Experience with Other Employer(s)	8		
Degree(s) / Years / Specialization	BS / 2016 / Civil Engineering				
Active Registration Number / State / Expiration Date	#46472 / LA / 09/30/24				
Year Registered	LA 2022	Discipline	Professional Engineer, Civil		
Contract Role(s) / Brief Description of Responsibilities	MPR2 and Roadway Design/Engineering				
Bio: German is a detail-oriented and organized professional with extensive experience in AutoCAD Civil 3D, HY-8 Culvert Analysis Software, and Hydraulic Toolbox. He excels in designing and analyzing complex infrastructure projects. His proficiency with Micro-station, Autoturn, and Inroads further enhances his ability to deliver precise and efficient solutions. German's meticulous attention to detail and exceptional organizational skills facilitate the successful execution of projects from conception to completion.					
04/23 - 05/24	LADOTD, SPH 012937 LA 3049 Barton Drive - Whitfield Circle Caddo Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the medium overlay project that consisted of clearing and grubbing, milling asphalt concrete, class ii base course, asphalt concrete pavement, guardrail replacement, pavement markings, asphalt leveling for cross slope correction, and other related work.				
07/23 - 01/24	LADOTD, SPH 4400028110 LA 511, LA 523 Caddo Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the concrete patching along la 511 and la 523, drainage structures.				
03/23 - 12/23	LADOTD, SPH 012930 LA 3049, LA 3049 Cowhide Bayou to LA 530 Caddo Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the thin overlay project that consisted of: grading, milling asphalt concrete, pavement patching, asphalt concrete pavement, pavement markings, guardrail replacement, and other related work.				
11/22 - 01/24	LADOTD, SPH 015005 LA 173, Left Turn Lanes at Russel Road Caddo Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the capacity improvement project that consisted of: grading, milling asphalt concrete, asphalt concrete overlay, pavement marking configuration, and other related work.				
12/22 - 12/23	LADOTD, SPH 015344 District 04 Chipseals, Western Parishes Caddo, Bossier, Desoto Parishes, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the multi-parish asphalt surface treatment, pavement markings, and other related work.				
10/22 - 06/23	LADOTD, SPH 012958 LA 159 Country Club Dr to Benson Rd Webster Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the medium overlay project that consisted of: milling asphalt concrete, pavement patching, asphalt concrete overlay, pavement markings, guardrail replacement, asphalt leveling for cross slope correction, and other related work.				
09/22 - 06/23	LADOTD, SPH 012613 LA 509 Desoto PL to LA 1 Red River Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on the thin overlay project that consisted of: drainage structures, milling asphalt concrete, pavement patching, asphalt concrete overlay, pavement markings, guardrail replacement, and other related work.				
04/23 - 02/24	LADOTD, SPH 012982 LA 3248 Naborton Loop Red River Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on this in-place stabilization project that consisted of: grading, milling asphalt concrete, in-place cement stabilized base course, asphalt concrete paving, pavement markings, and other related work.				
07/23 - 05/24	LADOTD, SPH 015274 US 71 US 371 to LA 71 Red River Parish, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on a thin overlay project that consisted of: milling asphalt concrete, pavement patching, asphalt concrete overlay, pavement markings, guardrail replacement, and other related work.				
12/22 - 12/23	LADOTD, SPH 015345 District 04 Chipseals Webster, Bienville, Red River, Claiborne Parishes, LA. <i>Program Delivery / Design Engineer.</i> Responsible for providing engineering oversight on a multi-parish asphalt surface treatment, pavement markings, and other related work.				

Firm Employed By	Halff			
Name	Eric Christiansen, PE, LEED AP	Years of Relevant Experience with this Employer	31	
Title	Structural Team Leader	Years of Relevant Experience with Other Employer(s)	1	
Degree(s) / Years / Specialization	MS / 1993 / Civil Engineering; BS / 1992 / Civil Engineering			
Active Registration Number / State / Expiration Date	#40671 / LA / 09/30/26; #85412 / TX / 06/30/25			
Year Registered	LA 2016 / TX 1999	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities	MPR3 and Bridge Design/Engineering			
Bio: Eric has designed bridges, parking garages, retaining walls of many varieties, and drainage elements such as junction boxes, culverts, and detention structures. His experience includes the design of structures in concrete (cast-in-place, post-tensioned, precast elements, composite members, pre-stressed elements), structural steel (braced frames, moment frames, horizontally curved bridge girders), light-gage metal studs, timber, and reinforced masonry. He also has an extensive background in the application of computer methods including finite element techniques for the design and analysis of structures.				
03/21 - current	Arkansas Department of Transportation (ARDOT) On-Call Design Springdale Bypass Springdale, AR. <i>Structural Task Lead</i> . Responsible for the design of a steel bridge girders, concrete bridge deck, railing, bents, and foundations of the design of a new alignment for Highway 612 Section 2. The design includes three miles of mainline design and eighteen bridges.			
01-23 - 05/24	City of Grand Prairie Tarrant Road at Arbor Creek Grand Prairie, TX. <i>Structural QA/QC Manager</i> . Responsible for the overall quality control and quality assurance of the project which included paving design, grading, drainage, water and sanitary sewer relocations, and traffic control plan for approximately 900 linear feet of Tarrant Road at Arbor Creek. The roadway profile was adjusted to alleviate flooding in frequent storm events and required the addition of a bridge and retaining walls. The scope also included sidewalks, driveway replacement, lighting, and utility coordination.			
03/22 - 05/24	North Texas Tollway Authority Extension from US 380 to FM 428 Celina, TX. <i>Structural Task Lead</i> . Responsible for the bridge structures and retaining walls associated with the construction of a new mainlane tollway facility between existing frontage roads from West of Frontier Parkway to FM 428.			
10/18 - 08/23	Frisco/Dallas Parkway Improvements Frisco, TX. <i>Structural Task Lead</i> . Responsible for the widening and intersection improvements for Dallas North Tollway frontage roads in Frisco, covering five miles between Lebanon Road and Panther Creek Parkway. Project includes widening frontage road bridges over Stewart Creek with updated hydraulic modeling, geotechnical recommendations for structures and pavement subgrade, traffic signal adjustments and improvements, and signing and striping.			
08/16 - 08/19	City of McKinney, Laud Howell Parkway Bridge Frisco, TX. <i>Structural Task Lead</i> . Responsible for providing QA/QC and for overseeing the production of structural construction drawings for a 1,200-foot-long, six-lane split structure spanning over Honey Creek. Notably, the structure features aesthetically designed arched bent caps.			
12/16 - 1/18	TxDOT San Antonio District IH 10 W PS&E San Antonio, TX. <i>QA/QC Manager</i> . Responsible for QA/QC for structural construction drawing production for the bridge widening over IH 10 at SH 46 (Bandera Rd) and US 87 (Main St). Designed culvert extension for a 2-barrel 6'x4' (non-bridge class) culvert and a 4-barrel 6'x4' (bridge class) culvert. Designed a custom headwall/wingwall to avoid nearby utility conflicts and accommodate adjacent roadway design. This project covered 3.1-mile highway reconstruction project in Boerne, Texas consisting of operational improvements to improve safety and mobility including new grade separated interchanges, conversion of frontage roads from two-way rural operation to one-way urban operation, reversal of existing ramps for improved access, and new signalized intersections.			
03/16 - 08/17	Caddo Parish Woolworth Road Bridge Shreveport, LA. <i>QA/QC Manager</i> . Responsible for providing QA/QC and for overseeing design services for the removal of three load-rated off-system bridges with new LADOTD standard bridges and box culverts. Woolworth Road is vital to the Parish, as a middle school and solid waste landfill site are located on the road. Halff determined the existing 100-year runoff rates, determined the grading, bridge spans and culvert sizes, and determined potential water level rise.			
11/04 - 03/06	TxDOT Dallas District IH 35E HOV Lanes and IH 35W Frontage Roads Dallas, TX. <i>Lead Bridge Engineer</i> . Responsible for the design of four bridges and retaining walls associated with the construction of a 1.5-mile IH 35E project involved widening the existing facility to include four bridges, traffic control, retaining walls, signage, striping, and related work. The IH 35W Frontage Roads included preparation of two EAs, two schematics, access justification study, bridge design, paving, grading and drainage design, and other related items.			

Firm Employed By	Halff			
Name	Brian LaFoy, PE	Years of Relevant Experience with this Employer	<1	
Title	North Texas Market Leader	Years of Relevant Experience with Other Employer(s)	31	
Degree(s) / Years / Specialization	Master of Engineering / 2008 / Structures and Applied Science; BS / 1993 / Civil Engineering			
Active Registration Number / State / Expiration Date	#PE.0031965 / LA / 03/31/26; #89363/ TX / 12/31/24			
Year Registered	LA 2005 / TX 2000	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities	MPR3 and Bridge Design/Engineering			
Bio: Brian’s structural expertise spans feasibility, programming, planning, design, rehabilitation, demolition, and forensics. Notable projects he has led include the Lake Pontchartrain Causeway Bridge rehabilitation post-Hurricane Katrina, the GEXA Energy Entertainment Pavilion at the State Fair of Texas, the Houston Street Viaduct Historic Bridge in Dallas, the Old Iron Bridge over the Colorado River in Bastrop, and planning for the Tesla Gigafactory near Austin. He is experienced with Accelerated Bridge Construction (ABC) methods and holds U.S. patents for his structural rehabilitation designs.				
02/13 - 10/23	LADOTD, Bert Kouns Overpass Bridge Repair Caddo Parish, LA. <i>Structural Engineer.</i> Responsible for designing the tub girder repair method after a tractor-trailer hauling construction equipment hit the bridge, damaging the girder. Brian designed the accelerated bridge construction method to hydro blast the deck, cut the tub girder, and install a counterbalance to dampen the rebound effects of the remaining span.			
7/20 - 4/23	TxDOT SH 130 Toll Concessions Company SH 130, BUDA, TX. <i>Program Manager / Structural Engineer.</i> Responsible for Segments 5 and 6 of the SH 130 high-speed toll road between Highway 71 in Austin and IH 10 (47 miles and 105 bridge structures under TxDOT oversight). Tasks included bridge inspection and condition assessment, repair/rehabilitation/maintenance prioritization, conceptual cost development, design, procurement assistance, development of contract documents, scheduling, development of maintenance of traffic plans and protocols, life cycle analysis, construction phase support including inspection, and programming support for development, and facilitation of a capital program.			
9/13 - 4/15	TxDOT Houston Street Viaduct Rehabilitation Dallas, TX. <i>Project Manager / Structural Engineer.</i> Responsible for the evaluation and rehabilitation of Phases II and III of this nearly mile-long, 40-span open spandrel concrete arch historic bridge in downtown Dallas across the Trinity River, IH 35, UPRR, Riverfront Drive, and the Pavaho Pump Station. Brian not only led the evaluation and design for this \$10 million rehabilitation effort, but he also developed maintenance traffic plans and phasing for work over IH 35, UPRR, and Riverfront Drive during the construction of the downtown Horseshoe Project, as well as designed innovative design concepts to improve load ratings and accelerate construction. Also developed metrics for the owner for future planning, budgeting, and maintenance of the structure.			
08/14 - 10/14	LADOTD, Ouachita River Bridge Ouachita Parish, LA. <i>Structural Engineer.</i> Responsible for designing the jacking plans for all the bridge structure main lanes and ramp structures.			
04/13 - 07/14	LADOTD, Lake Pontchartrain Causeway Bridge Metairie, LA. <i>Structural Engineer.</i> Responsible for the rehabilitation methods and span movement of the bridge turnarounds following Hurricane Katrina. The project involved designing methods to repair the damaged bridge spans as well as design methods to move them back into place.			
03/10 - 06/10	LADOTD, Well Road Bridge Replacement West Monroe, LA. <i>Structural Engineer.</i> Responsible for the design of the movement plan and temporary bridge structure to replace the four-span bridge across IH-20. Brian designed the <u>accelerated bridge construction methods using SPMTs</u> (self-propelled mobile transports) to precast the spans and move them into place. The entire project only took several days and was the first of its kind in Louisiana.			
04/09 - 06/09	LADOTD, Jimmie Davis (Route LA 511) Bridge Repairs Caddo Parrish and Bossier Parish, LA. <i>Structural Engineer.</i> Responsible for designing the jacking plans to raise the existing bridge structures.			
07/07 - 10/07	LADOTD, Sawmill Girder Replacement Caddo Parish, LA. <i>Structural Engineer.</i> Responsible for designing the accelerated bridge construction method to remove a single prestressed concrete beam (and connected deck/diaphragm section) that had been hit and damaged by a tractor-trailer.			
05/04 - 10/05	TxDOT IH 30 / IH 45 Bridge Rehabilitations Dallas, TX. <i>Project Manager / Structural Engineer.</i> Responsible for the rehabilitation of Interstate 30 and Interstate 45 bridges in Downtown Dallas. The key tasks included developing systems to be able to perform the repairs under live load so the interstates didn’t need to shut down or lanes closed for repairs.			

Firm Employed By	Halff				
Name	Scott Rushing, PE, CFM	Years of Relevant Experience with this Employer	16		
Title	Water Resources Team Leader	Years of Relevant Experience with Other Employer(s)	N/A		
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering				
Active Registration Number / State / Expiration Date	#114519 / TX / 03/31/25				
Year Registered	TX 2013	Discipline	Professional Engineer, Civil		
Contract Role(s) / Brief Description of Responsibilities	Hydrologic and Hydraulic				
Bio: Scott has performed on/off system bridge hydraulic designs in 9 districts across Texas and has 16 years of experience modeling FEMA Zone AE streams for TxDOT and municipal/federal clients. He is proficient in using HEC-HMS, HEC-RAS, and 2D modeling packages such as XPSWMM and InfoWorks ICM. He has experience using numerous hydrologic methods including stream gage analysis to compute and validate design flows for hydraulic bridge design. Scott will work directly with the roadway and bridge design leads to simulate the proposed bridge geometry in HEC-RAS to confirm compliance with design criteria and mitigate potential adverse impacts to water surface elevations and channel velocities to adjacent property owners.					
08/15 - 01/25 (est.)	TxDOT Dallas District (SEP) FM 148 Kaufman County, TX. <i>Hydraulic Task Leader</i>. Responsible for aiding in the design of the roadway profile and determining appropriate bridge class culvert sizes to handle the design frequency storm along a FEMA Zone A stream. Developed a hydrologic model utilizing HEC-HMS, which incorporated simulation and routing through a substantial upstream NRCS reservoir to precisely establish design discharges at the project site. Additionally, coordinated with the local floodplain administrator to comply with regional criteria and aimed to reduce drainage easement stipulations to alleviate hydraulic and erosion impacts.				
01/21 - 01/25 (est.)	TxDOT Fort Worth District (PS&E) North White Chapel Road Southlake, TX. <i>Bridge Hydraulic Design Lead</i>. Responsible for overseeing hydraulic model development and alternative design analysis for an off-system bridge replacement along the Kirkwood Branch at North White Chapel Road. Project included limited ROW and multiple utility crossings including a sanitary sewer main and lift station. Local officials frequently closed the road due to flooding and a previous high-water rescue occurred at the crossing. A FEMA Conditional Letter of Map Revision (CLOMR) was submitted and approved due to encroachment on the effective Zone AE Floodway.				
05/23 - 12/24 (est.)	TxDOT Fort Worth District (PS&E) CR 4668 Wise County, TX. <i>Hydraulic Task Leader</i>. Responsible for overseeing hydraulic model development and alternative design analysis for an off-system bridge replacement along the West Fork Trinity River at County Road 4668. The current effective mapping was FEMA Zone A with no available FEMA models. Hydrology was leveraged from the USACE Trinity River Watershed Hydrology Assessment. A new HEC-RAS hydraulic model was developed using 2019 TNRIS Lidar data, as-built plans, and surveys. A 2D hydraulic model was developed to understand existing flow patterns, support scour analysis, and inform a 1D HEC-RAS model for design. The alternative analysis included coordination with multiple entities including TxDOT, North Central Texas Council of Governments, Tarrant Regional Water District, and Wise County, and an evaluation of ROW and environmental impacts.				
07/17 - 01/24	TxDOT Yoakum District (PS&E) FM 109 Colorado and Austin Counties, TX. <i>Hydraulic Task Leader</i>. Responsible for H&H analysis/design for the widening, rehabilitation, and resurfacing of the existing 2-lane rural section of FM 109. The corridor required evaluation of three separate bridges along designated Zone A streams and needed to be completed within a very tight schedule. Scott developed HEC-HMS and HEC-RAS models to confirm no adverse impact outside TxDOT ROW per TxDOT, FEMA, and local drainage criteria. He performed multiple hydrologic methods using Atlas 14 rainfall depths and verified final discharges with available stream gauge data. The drainage reports were all approved with no comments, meeting the project design schedule.				
05/19 -12/19	TxDOT Atlanta District (PS&E) Gibson Lane Texarkana, TX. <i>Hydraulic Task Leader</i>. Responsible for hydraulic analysis and erosion design for a new off-system bridge over a Zone AE floodplain in Texarkana, TX. Leveraged existing FEMA models and coordinated with the roadway and bridge design leads to ensure TxDOT and local standards were met for freeboard and design storm frequency. The design minimized the required mitigation, drainage easement acquisition and environmental impact to meet NWP 14 for linear transportation projects. Erosion countermeasures were designed per HEC-23 guidance and a no-rise memo for FEMA documentation was provided.				
08/17 - 10/18	TxDOT Brownwood District (PS&E), US-183 Breckenridge, TX. <i>Hydraulic Task Leader</i>. Responsible for H&H model development to analyze the hydraulic capacity of the existing culvert crossing located at Stream BK-1 along US 183 to support PS&E design. Halff developed an extensive hydraulic routing model through a highly urbanized watershed to determine design discharges at the project location. Project included coordination with the local floodplain administrator, HEC-HMS and HEC-RAS model development, comparison to effective FEMA data and proposed cross drainage analysis.				

Firm Employed By	Halff			
Name	Victor Bivens, PE, CFM	Years of Relevant Experience with this Employer	6	
Title	Water Resources Team Leader	Years of Relevant Experience with Other Employer(s)	N/A	
Degree(s) / Years / Specialization	MS / 2020 / Civil Engineering; BS / 2018 / Civil Engineering			
Active Registration Number / State / Expiration Date	#PE.0047761 / LA / 09/30/25; CFM #US-24-13061 / LA			
Year Registered	LA 2023	Discipline	Professional Engineer, Civil	
Contract Role(s) / Brief Description of Responsibilities	MPR3 and Hydrologic and Hydraulic			
Bio: Victor is a skilled professional with vast experience in Base Level Engineering modeling and management using both 1D and 2D HEC-RAS modeling approaches. He has effectively led a team of modelers to improve 2D models, providing a more detailed assessment of alternative mitigation strategies. Prior to his extensive work in watershed modeling, Victor focused on public works and site development projects, including roadway improvements, residential subdivision developments, and storm drain infrastructure designs.				
04/20 - 03/21	Royston Lane Pflugerville, TX. <i>Design Engineer</i> . Responsible for the H&H analysis, engineering and drainage design for a 2,000-foot storm sewer system with twenty-five curb inlets and triple box culverts, which was installed to efficiently manage stormwater and mitigate creek flooding for 3,200 linear feet of a new three-lane concrete curbed roadway.			
08/22 - 01-24	Rapides Area Planning Commission Transportation Resiliency Project, Phase II Alexandria, LA. <i>Project Manager</i> . Responsible for leading the team in 2D model enhancement through improving land use, terrain, precipitation, and other base file incorporation and surveyed structure implementation within the model at hydraulically significant structures. Also led stakeholder coordination and outreach efforts to gain local knowledge of flood risk and historic damages caused by flooding. The project objectives were to create a detailed 2D model and utilize it to assess stormwater mitigation alternatives for transportation resiliency improvements within the Metropolitan Planning Area. These alternatives will be analyzed and submitted for grant pursuit soon.			
6/18 - 1/24	Pecan Plantation Miscellaneous Drainage Granbury, TX. <i>Engineer</i> . Responsible for designing and planning production for two separate drainage improvement projects within the Pecan Plantation HOA subdivision. Drainage improvements range from ditch re-grading, ditch concrete paving and widening, and culvert upsizing and installation. The project design included analyzing existing drainage conditions, determining drainage areas, and using CulvertMaster, Flowmaster, and AutoCAD Storm Sewer Design to model proposed drainage improvements.			
10/16 - 1/204	Cleveland-Gibbs Road Reconstruction Northlake, TX. <i>Engineer</i> . Responsible for the design of construction plans for the construction of Cleveland-Gibbs Road, a four-lane divided thoroughfare approximately 5,400 linear feet in length. Cleveland-Gibbs Road begins at FM 407 and extends south approximately 4,300 linear feet to just north of Mulkey Lane. Only the northbound two lanes will be constructed with this segment. The project also includes Cleveland-Gibbs Road starting at FM 1171 and extends north approximately 1,100 linear feet. Only the two southbound lanes will be constructed with this segment. The design includes paving and drainage improvements. Other key elements include coordination with the Town of Corral City and TxDOT.			
11/16 - 1/24	Forest Lake Estates Texarkana, TX. <i>Engineer</i> . Responsible for the roadway design of approximately two miles of concrete roadway in the Forest Lake Estates subdivision. The design consisted of Portland cement with lime-treated sub-bas and asphalt overlay alternatives. Construction plans and specifications were created for bid and construction including geometric layout, erosion control, paving typical sections, paving plan and profiles, stormwater drainage design and drainage area maps and calculations, culvert design, signage and striping, and traffic sequencing.			
10/21 - 09/23	LADOTD Rapides Parish Pilot Project Alexandria, LA. <i>Engineer</i> . Responsible for survey area prioritization by comparing available effective mapping, historic flooding data, and approximate density of structures collected per mile driven then led mobile lidar dispatch coordination based on initial findings. Guided staff on heat map creation for future planning use and reporting of all findings.			
08/16 - 11/17	Woolworth Road Bridge Replacement Caddo Parish, LA. <i>Designer</i> . As an engineering intern, assisted in the plan preparation, and bid document preparation for the replacement of three off-system bridges located in Caddo Parish. The proposed bridges were 7-span, 9-span, and three 8'x8' box culverts. The bridges span sections of Brushy Bayou, and the bayou cross sections were modeled with HEC-RAS for design stormwater elevation and scour protection.			

Firm Employed By	Vectura Consulting Services, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	Years of Relevant Experience with this Employer	9
Title	Supervisor-Eng	Years of Relevant Experience with Other Employer(s)	27
Degree(s) / Years / Specialization	BS / 1988 / Civil Engineer		
Active Registration Number / State / Expiration Date	#PE .0025383 / LA / 09/30/25		
Year Registered	LA 1993	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic Management Quality Control		
07/21 - current	H.007160 - EBR Computerized Traffic Signal, Phase VB Baton Rouge, LA. <i>Task leader.</i> Responsible for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.		
07/19 – current	MOVEBR New Capacity Projects Program Management Baton Rouge, LA. <i>Lead Traffic Engineer.</i> Responsible for the New Capacity Projects program management team. All traffic engineering scope of services, traffic/speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.		
07/19 – current	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP Belle Chasse, LA. <i>Project Manager.</i> Responsible for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by DOTD.		
09/20 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger I-10 Ascension Parish, LA. <i>Project Manager.</i> Responsible for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves 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 phase of the construction 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. <i>Engineer.</i> Responsible for the 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 cost. Brin also assisted with the Parish with the 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. <i>Engineer.</i> Responsible for developing a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.		
09/13 – 04/14	S.P. 700-99-0477 Jefferson Hwy. Signal Design Baton Rouge, LA. <i>Engineer.</i> Responsible for the traffic signal design for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.		
04/14 – 12/14	H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project Baton Rouge, LA. <i>Project Engineer.</i> Responsible for data collection and design for three signalized intersections as part of a road widening project as 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 estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.		

Firm Employed By	Vectura Consulting Services, LLC		
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP	Years of Relevant Experience with this Employer	9
Title	Supervisor-Eng	Years of Relevant Experience with Other Employer(s)	18
Degree(s) / Years / Specialization	MBA / 2010; MS / 2006 / Civil Engineer; BS / 1997 / Civil Engineer		
Active Registration Number / State / Expiration Date	#PE .0029901/ LA / 03/31/26		
Year Registered	LA 02	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Data Collection and Traffic Management Plan Supervisor		
07/19 – current	MOVEBR New Capacity Projects Program Management Baton Rouge, LA. <i>Project Engineer</i>. Responsible for working with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.		
01/23 – 02/24	H.011504 Alexandria ITS, Phase 2 Alexandria, LA. <i>Project Manager</i>. Responsible for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan for the Alexandria area.		
07/23 – 11/23	H.015504.5 CCC Decorative Lighting Level 4 TMP New Orleans, LA. <i>Project Manager</i>. Responsible for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Laurence oversaw the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any “hot spots”. The results were summarized in a report that was reviewed by DOTD.		
04/23 – 10/23	H.014591.5 I-12: US 61 Bridges Girder Repairs Baton Rouge, LA. <i>Project Manager</i>. Responsible for a Level 2 TMP for the interchange of I-12 at US 61. Laurence performed QA/QC for a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any “hot spots” where Laurence also performed QA/PC. The results were summarized in a report that was reviewed by DOTD.		
10/21—03/22	H.013256.5 I-10 ITS Scott to Lake Charles Various, LA. <i>Lead Traffic Engineer</i>. Responsible for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.		
04/18 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales Ascension, LA. <i>QA/QC</i>. Responsible for providing a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.		
04/18 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St. Vernon Parish, LA. <i>QA/QC</i>. Responsible for providing a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.		
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10 Baton Rouge, LA. <i>Project Manager</i>. Responsible for developing a Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle/pedestrian/transit observations.		
09/16 - 04/17	H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study St. Tammany Parish, LA. <i>Lead Traffic Engineer</i>. Responsible for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data 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. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.		

Firm Employed By	Vectura Consulting Services, LLC		
Name	Reece Rodrigue, PE, PTOE, RSP1	Years of Relevant Experience with this Employer	4
Title	Engineer	Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	BS / 2013 / Civil Engineer		
Active Registration Number / State / Expiration Date	PE.0042074 / LA / 03/31/26		
Year Registered	LA 17	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic Management Project Engineer		
04/21 - Current	MOVEBR Direct Select for Traffic Signal Design Baton Rouge, LA. <i>Project Engineer</i>. Responsible for the design of traffic signal upgrades at 10 intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.		
06/23 - Current	LADOTD H.011507.1 Monroe Phase 3 SEA Ouachita Parish, LA. <i>Project Engineer</i>. Responsible for visiting the project site to document the controller type and detection needs at each signalized intersection within the Right of Way.		
07/21 - Current	LADOTD H.007160 - EBR Computerized Traffic Signal, Phase VB Baton Rouge, LA. <i>Construction Engineer and Inspection</i>. Part of the team responsible for Construction Engineering and Inspection. Reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.		
04/20 - Current	LADOTD H.004791 Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project Belle Chasse, LA. <i>Project Engineer</i>. Responsible for designing the temporary traffic signal at the intersection of LA 23 and Engineers Rd. for eight construction phases per the anticipated sequence, Reece recommended the placement of temporary pole locations and their heights for all phases. He calculated vehicle clearance intervals for each phase following DOTD and ITE guidelines. Reece produced the traffic impact analysis part of the Traffic Management Plan, which was also used to plan permanent and temporary signal timing plans. Additionally, Reece created the permanent signal plans for the intersections of LA 23 at Engineers Road and Burmaster Street. This included evaluating stop bar locations, calculating vehicle and pedestrian clearance intervals, designing the railroad preemption sequence for both at-grade crossings, creating the wiring layout, and developing the interconnect plan. He also reviewed and approved shop drawings submitted by the contractor for construction use.		
01/23 – 02/24	LADOTD H.011504 Alexandria ITS Phase 2 Rapides, Parish, LA. <i>Project Engineer</i>. Responsible for the System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan.		
06/22 – 02/23	LADOTD H.012381.5 ITS Fiber Management System Data Collection Various, LA. <i>Field Observer</i>. Responsible for performing the field observations for 40 sites to verify the ITS FMS and inventory services.		
01/21 – 05/21	LADOTD H.013256 - I-10 ITS Scott to Lake Charles Lafayette, Acadia, and Jefferson Davis Parishes, LA. <i>Engineer</i>. Responsible for reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.		
09/20 – 12/21	LADOTD H.011909.5-4 Roundabout: US 171 at Boone St. Vernon Parish, LA. <i>Design Engineer</i>. Responsible for assisting in the production of 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 US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.		
09/20 – 12/21	LADOTD H.010960.5 LA 30 Roundabouts at Tanger I-10 Ascension Parish, LA. <i>Design Engineer</i>. Responsible for assisting in 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. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.		

Firm Employed By	Vectura Consulting Services, LLC		
Name	Kristen Farrington, PE, PTOE, RSP1	Years of Relevant Experience with this Employer	2
Title	Engineer	Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	BS / 2014 / Civil Engineer		
Active Registration Number / State / Expiration Date	PE.0042785 / LA / 03/31/25		
Year Registered	LA 18	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic Management Project Engineer		
04/21 – 04/24	CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project Baton Rouge, LA. <i>Project Engineer</i>. Responsible for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Assisted the prime consultant with the safety analysis as well.		
07/23 – 01/24	LADOTD H.015504.5 CCC Decorative Lighting Level 4 TMP New Orleans, LA. <i>Lead Traffic Engineer</i>. Responsible for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Performed a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any “hot spots”. The results were summarized in a report that was reviewed by DOTD.		
04/23 – 10/23	LADOTD H.014591.5 I-12: US 61 Bridges Girder Repairs Baton Rouge, LA. <i>Lead Traffic Engineer</i>. Responsible for a Level 2 TMP for the interchange of I-12 at US 61. Performed a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any “hot spots”. The results were summarized in a report that was reviewed by DOTD.		
08/21 – 04/22	LADOTD H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study Baton Rouge, LA. <i>Project Engineer</i>. Responsible for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.		
02/20 – 09/21	MOVEBR College Drive Enhancement Project Baton Rouge, LA. <i>Project Engineer</i>. Responsible for assisting with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.		
6/19 - 2/21	LADOTD H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street St. Landry Parish, LA. <i>Project Manager</i>. Responsible 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. Responsible for safety analysis including 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 best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.		
6/19 - 2/21	LADOTD .013460 US 167 Improvements Stage 0 Enola Street to Ross Road Evangeline Parish, LA. <i>Project Manager</i>. Responsible 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. Responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project.		
04/19 – 6/21	LADOTD H.013817.1 LA 117 Improvements Stage 0 Vernon and Natchitoches Parishes, LA. <i>Project Engineer</i>. 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. 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. 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. Compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.		

Firm Employed By	Vectura Consulting Services, LLC		
Name	Bridget Scheyd Robicheaux, PE	Years of Relevant Experience with this Employer	6 (Part-Time)
Title	Project Engineer	Years of Relevant Experience with Other Employer(s)	9
Degree(s) / Years / Specialization	MS / 2014 / Civil Engineering; BS / 2007 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0041272 / LA / 03/31/25		
Year Registered	LA 16	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic Management Project Engineer		
07/21 – Current	LADOTD H.007160 EBR Computerized Traffic Signal, Phase VB Baton Rouge, LA. <i>Project Engineer</i>. Responsible for reviewing the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.		
07/19 – Current	MOVEBR New Capacity Projects Program Management Baton Rouge, LA. <i>Project Engineer</i>. Responsible for assisting on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple reviews of traffic studies and traffic signal designs. This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.		
03/21 - 07/22	LADOTD H.007160 - EBR Computerized Traffic Signal, Phase VB Baton Rouge, LA. <i>Project Engineer</i>. Responsible for Construction Engineering and Inspection. Reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.		
06/21 - 06/21	CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project Baton Rouge, LA. <i>Project Engineer</i>. Responsible for assisting with the traffic signal design of 13 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).		
04/20 - 07/20	LADOTD H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project Belle Chasse, LA. <i>Project Engineer</i>. Responsible for assisting in the design of temporary traffic signal for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.		
04/19 - 01/20	Traffic Studies for Broussard Middle School and Billeaud Elementary School Lafayette Parish, LA. <i>Project Engineer</i>. Responsible for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.		
07/18 – 04/19	LA 1 Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Design West Baton Rouge Parish, Addis, LA. <i>Project Engineer</i>. Responsible for assisting with the crosswalk study by pulling and formatting the crash data. She also assisted with the crash analysis and formatting the findings.		
10/17 - 07/18	Travel Demand Model Update: Southeast Louisiana Travel Model New Orleans, LA. <i>Project Engineer</i>. Responsible for developing base year traffic volumes to calibrate and test of the regional travel demand as part of updating the New Orleans Regional Planning Commission Travel Demand Model in TransCAD. Specifically, Bridget obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the SELATRAM model to check for consistency, reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.		
09/17 - 11/17	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study St. Tammany Parish, LA. <i>Project Engineer</i>. Responsible for assisting in the development of a Crosswalk Traffic Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Processed raw traffic videos and developed AM and PM peak period turning movement vehicle count figures. Assisted with a PTV Vistro model for the AM and PM Peaks for the five intersections for capacity analyses as well as progression analyses.		

Firm Employed By	NTB Associates, Inc.		
Name	Bryan T. Bunch	Years of Relevant Experience with this Employer	15.5
Title	Executive Vice President	Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization	B.S. / 1988 / Survey and Land Information Systems, University of Arkansas		
Active Registration Number / State / Expiration Date	#5014 / LA / 03/31/26		
Year Registered	LA 2009	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Survey Project Manager		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Survey Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Survey Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
09/20 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Survey Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKL.		
09/20 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Survey Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.		
07/23 – 09/24	LADOTD IJA Off-System Bridge Program, District 62 (4400025041). <i>Quality Control Surveyor.</i> Responsible for assisting in staffing, coordination, and QA/QC for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right of way mapping in support of bridge replacements.		
08/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.) <i>Quality Control Surveyor.</i> Responsible for assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, title takeoffs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Survey Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.		
03/21 – 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013). <i>Survey Project Manager.</i> Responsible for managing field crews and technicians for control, topographic, and property surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.		
01/20 – 03/21	UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right of way. 8 ALTA Surveys were prepared along with the privately owned parcels for acquisition, 0.25 acre acquisition parcel in the right of way, and an overall right of way strip map.		



Firm Employed By	NTB Associates, Inc.		
Name	Patrick C. Staiano	Years of Relevant Experience with this Employer	4
Title	Staff Surveyor	Years of Relevant Experience with Other Employer(s)	10
Degree(s) / Years / Specialization	B.S. / 2008 / Construction Management, Louisiana State University / ATSSA TCS		
Active Registration Number / State / Expiration Date	#5014 / LA / 03/31/26		
Year Registered	LA 2015	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Survey Project Manager		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right of way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a subconsultant to James Construction.		
07/23 – 09/24	LADOTD IJA Off-System Bridge Program, District 62 (4400025041). <i>Project Manager.</i> Responsible for managing field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right of way mapping in support of bridge replacements.		
09/22 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final right of way mapping for 34 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to BKL.		
09/22 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final right of way mapping for 21 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to Waggoner.		
09/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for topographic surveys, property surveying services, title research, title take-offs, boundary and right of way calculations, and reviews of CADD drawings and plats for maintenance and construction projects.		
09/22 – 09/24 03/18 – 02/21	Apache Corporation, Infrastructure Improvements, Permian Basin, Reeves Counties, TX (Agency Project Nos. Unknown). <i>Project Manager.</i> Responsible for managing property surveying services and right of way acquisition mapping for approximately 84 miles of infrastructure improvements. Patrick has prepared approximately 131 property acquisition plats for this project.		
09/22 – 09/24 03/18 – 02/21	Targa Pipeline, Natural Gas Gathering System, Howard and Martin Counties, TX (Agency Project Nos. Unknown). <i>Quality Control Surveyor.</i> Responsible for reviewing drafting and property acquisition plats as well as assisting with management of property surveying services. Patrick has prepared approximately 250 property acquisition plats for this project.		
03/21 – 08/22	MOVEBR Jefferson Hwy. at Bluebonnet Intersection Improvements, LA (City Parish No. 20-CP-HC-0046). <i>Project Manager.</i> Responsible for managing field crews and technicians for topographic surveys, property surveys, and right of way mapping.		
03/20 – 02/21	UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502). <i>Assistant Project Manager.</i> Responsible for performing property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right of way. Prepared 8 ALTA Surveys along with the privately owned parcels for acquisition, 0.25 acre acquisition parcel in the right of way, and an overall right of way strip map.		
09/19 – 02/20	DCP Midstream, MaBee Ranch Line Locates, Martin and Andrews Counties, TX (19-056-001). <i>Project Manager.</i> Responsible for managing property surveying services in support of property acquisition services for 32 individual pipelines totaling approximately 22 miles.		



Firm Employed By	NTB Associates, Inc.		
Name	Mike J. King	Years of Relevant Experience with this Employer	18
Title	Vice President	Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization	B.S. / 2012 / Construction Management, Louisiana State University		
Active Registration Number / State / Expiration Date	#5127 / LA / 09/30/25		
Year Registered	LA 2015	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Survey Assistant Project Manager		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.		
08/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Quality Control Surveyor.</i> Responsible for assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, title takeoffs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Assistant Project Manager.</i> Responsible for assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.		
07/23 – 05/24	USM Bedford to Brown Pipeline, Red River Parish, LA (301884). <i>Project Manager.</i> Responsible for assisting in the management of field crews and technicians for property surveying services for 11 parcels for a proposed pipeline alignment approximately 5.6 miles in length.		
03/21 – 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013). <i>Quality Control Surveyor.</i> Responsible for reviewing and processing data for control, topographic, and property surveys along with surveys in support of QL B, C, and D subsurface utility designating services.		
05/15 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Project No. 8-15). <i>Quality Control Surveyor.</i> Responsible for reviewing data and drafting for Static GPS Control surveys, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating.		
04/15 – 02/16	LADOTD I-20 (Airline Drive to I-220) Bossier Parish, LA (4400005532 & H.011319.5). <i>Quality Control Surveyor.</i> Responsible for reviewing data and drafting for topographic surveying services for interstate rehabilitation.		



Firm Employed By	NTB Associates, Inc.		
Name	Chris A. Harlan, Jr.	Years of Relevant Experience with this Employer	>1
Title	Staff Surveyor/ Engineer Intern	Years of Relevant Experience with Other Employer(s)	18
Degree(s) / Years / Specialization	B.S. / 2021 / Civil Engineering, Louisiana State University		
Active Registration Number / State / Expiration Date	#5281 / LA / 03/31/25; #21953 / LA / 09/30/25		
Year Registered	LA 2022 / LA 2005	Discipline	Professional Surveyor / Engineer Intern
Contract Role(s) / Brief Description of Responsibilities	Survey Quality Control Surveyor		
04/24 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Quality Control Surveyor / Engineering Intern.</i> Responsible for providing support as needed alongside Project Managers for Static GPS control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
04/24 – 09/24	Southline Power Transmission Line, Surveying & Engineering Services, AZ & NM (Agency Project No. Unknown). <i>Quality Control Surveyor / Engineering Intern.</i> Responsible for providing support as needed alongside Project Managers for topographic, boundary, and right of way surveying services, subsurface utility engineering, GIS services, and platting/mapping/permitting for transmission line and access roads.		
04/24 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Quality Control Surveyor / Engineering Intern.</i> Responsible for providing support as needed alongside Project Managers for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKL.		
01/23 – 03/23	Calcasieu Parish Police Jury, CPPJ Consolidation, Calcasieu Parish, LA (Agency Project No. Unknown). <i>Project Surveyor.</i> Responsible for survey coordination, determining property boundaries, preparing the required servitude plats, and QA/QC for topographic and boundary surveying services along the roadway of a proposed route for the consolidation of multiple water districts into one waterworks district.		
01/23 – 03/23	Opelousas Street Survey, Calcasieu Parish, LA (Agency Project No. Unknown). <i>Project Surveyor.</i> Responsible for survey coordination, assisting with LA One Call coordination, data processing, and QA/QC of deliverables for all topographic and boundary surveying services in support of the design and installation of a new waterline connecting two water districts.		
12/22 – 02/23	Comcast ALTA Surveying Services, Caddo Parish, LA (Agency Project No. Unknown). <i>Project Surveyor.</i> Responsible for survey coordination for topographic and boundary surveying services including coordinating with LA One Call, processing data, drafting plat and legal descriptions, and preparing FEMA Flood certificate for a property transfer in Shreveport, LA.		
11/22 – 12/22	Grogan Street Water Tower Survey, Calcasieu Parish, LA (Agency Project No. Unknown). <i>Project Surveyor.</i> Responsible for survey coordination for topographic and boundary surveying services of a water tower including courthouse research to locate the current conveyance records, determining the apparent boundary lines based on the records, and recovering data in the field, and drafting plats.		
11/22 – 12/22	Calcasieu Parish Police Jury, New Providence Well No. 4, Calcasieu Parish, LA (Agency Project No. Unknown). <i>Project Coordinator.</i> Responsible for survey coordination, processing data, and drafting plats for topographic and boundary surveying services for the Calcasieu Parish Police Jury.		
10/22 – 12/22	Calcasieu Parish Police Jury, Amoco Road Bridge, Calcasieu Parish, LA (Agency Project No. Unknown). <i>Project Surveyor / Engineering Intern.</i> Responsible for providing support as needed for pre and post construction surveying services including right of way, utility relocations, driveway relocations, control surveys, elevation checks for new drainage structures, bridge element checks, verification of as-built pile cutoff elevations, and staking of right of way/easements.		





Firm Employed By	NTB Associates, Inc.		
Name	Grant H. Gilleon	Years of Relevant Experience with this Employer	16
Title	Vice President	Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization	B.S. / 1987 / Construction Engineering Technology, University of Southern Mississippi		
Active Registration Number / State / Expiration Date	4976 / LA / 03/31/26		
Year Registered	LA 2007	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Survey Quality Control Surveyor		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Quality Control Surveyor.</i> Responsible for assisting in staffing and coordination for Static GPS control surveys, topographic surveys, property surveys, title take-offs, description preparations, and preliminary and final right of way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.		
08/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Project Manager.</i> Responsible for directing field crews and technicians for topographic surveys, property surveys, title takeoffs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Quality Control Surveyor.</i> Responsible for assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Quality Control Surveyor.</i> Responsible for assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.		
05/15 – 09/24	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Project No. 8-15). <i>Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge. Currently, in the construction management support phase and addressing RFI's as needed.		
09/14 – 09/24	USDA/NRCS Property Surveying Services, LA (AG-7217-C-14-0010, AG-2B46-S-16-0004, & 12FPC319D0016). <i>Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for property surveying services and map/plat preparation for over 9,000 acres.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Quality Control Surveyor.</i> Responsible for reviewing data and deliverables for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.		
05/21 – 12/21	Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126). <i>Project Manager.</i> Responsible for directing field crews for control surveys, topographic surveys, and property surveys in support of an evaluation to improve the intersection and produce a preliminary layout for a new intersection design.		
11/15 – 05/17	Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03). <i>Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for control surveys, topographic surveys, property surveys, right of way mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).		
04/15 – 02/16	LADOTD I-20 (Airline Drive to I-220) Route I-20, Bossier Parish, LA (4400005532 & H.011319.5). <i>Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for topographic surveying services and surveys in support of QL B, C, and D subsurface utility designating for interstate rehabilitation.		
10/15 – 12/15	LADOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5). <i>Project Manager.</i> Responsible for directing field crews, file processing, drafting, and submittals for topographic surveys performed along a portion of the existing route of LA Hwy. 1 for a proposed bridge replacement at the intersection of Caddo Lake and LA Hwy. 1 in Caddo Parish east of Mooringsport.		

Firm Employed By	NTB Associates, Inc.		
Name	T.J. Sifton	Years of Relevant Experience with this Employer	14
Title	Technician	Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization	AS / 2005 / Drafting and Design Technology, Louisiana Technical College / Leica's LIDAR Scanning Courses and Cyclone Software Courses, 2013		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Survey Technician		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Technician.</i> Responsible for processing data, performing calculations, and drafting files for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Technician.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Technician.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Technician.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
08/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.) <i>Technician.</i> Responsible for processing data, performing boundary and right of way calculations, and drafting files for property surveying services and topographic surveys in support of maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Technician.</i> Responsible for processed field data and drafting files for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.		
05/15 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Project No. 8-15). <i>Technician.</i> Responsible for processed data, performed calculations, and drafted files for topographic and property surveys along with surveys in support of QL B, C, and D subsurface utility designating.		
05/13 – 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Project No. Unknown). <i>Technician.</i> Responsible for processed data, performed calculations, and drafted files for topographic surveys, property surveys, final right of way mapping, and drainage map preparation for the use in engineering plan and specifications.		
07/10 – 10/12	LADOTD LA 42 Widening and Improvements, District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538). <i>Technician.</i> Responsible for processed data, performed calculations, and drafted files for topographic and property surveys and right of way acquisition maps for 165 parcels.		

Firm Employed By	NTB Associates, Inc.		
Name	Adam King	Years of Relevant Experience with this Employer	13
Title	CADD Drafter	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	High School Diploma, 2009		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Survey CADD Drafter		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>CADD Drafter.</i> Responsible for processing data, performing calculations, and drafting files for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>CADD Drafter.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>CADD Drafter.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>CADD Drafter.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
08/23 – 09/24	LADOTD IJA Off-System Bridge Program, District 62 (4400025041). <i>CADD Drafter.</i> Responsible for processing data, performing calculations, and drafting files for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final right of way mapping in support of bridge replacements.		
09/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>CADD Drafter.</i> Responsible for processing data, performing calculations, and drafting files for topographic surveys, property surveying services, title take-offs, and right of way mapping for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>CADD Drafter.</i> Responsible for processed data, performed calculations, and drafted files for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.		
07/16 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Project No. 8-15). <i>Survey Party Chief.</i> Responsible for running a field crew and download/ processed data for topographic and property surveys along with surveys in support of QL B, C, and D subsurface utility designating.		

Firm Employed By	NTB Associates, Inc.		
Name	Iniko Jack	Years of Relevant Experience with this Employer	18
Title	Party Chief	Years of Relevant Experience with Other Employer(s)	9
Degree(s) / Years / Specialization	High School Diploma, 1994 / Electro-Magnetic Locating Instruments Certified / ATSSA TCS		
Active Registration Number / State / Expiration Date	#P3642 Certificate of Locating Competency / Staking University		
Year Registered	2018	Discipline	
Contract Role(s) / Brief Description of Responsibilities	Survey Technician		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Technician.</i> Responsible for supervising field staff, processing data, performing calculations, and drafting files for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Technician.</i> Responsible for supervising field staff, processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, legal descriptions, and preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/23 – 09/24	LADOTD IJA Off-System Bridge Program, District 62 (4400025041). <i>Technician.</i> Responsible for supervising field staff, processing data, performing calculations, and drafting files for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal descriptions, and preliminary and final right of way mapping in support of bridge replacements.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Field Operations Manager / Technician.</i> Responsible for supervising field staff, processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, legal descriptions, and preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Field Operations Manager / Technician.</i> Responsible for supervising field staff, processing data, performing calculations, and drafting files for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, legal descriptions, and preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
09/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Field Operations Manager / Technician.</i> Responsible for supervising field staff, processing data, performing calculations, and drafting files for topographic surveys, property surveying services, title take-offs, and right of way mapping for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Field Operations Manager / Technician.</i> Responsible for supervised field staff, processed data, performed calculations, and drafted files for topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.		
03/21 – 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013). <i>Field Operations Manager / Technician.</i> Responsible for supervised field staff, processed data, and performed calculations for control, topographic, and property surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.		
05/15 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Project No. 8-15). <i>Field Operations Manager / Technician.</i> Responsible for supervised field staff, downloaded/ processed data, and performed calculations for topographic and property surveys, QL A, B, C, and D subsurface utility designating/locating, and surveys in support of subsurface utility designating.		

Firm Employed By	NTB Associates, Inc.		
Name	Will Wales	Years of Relevant Experience with this Employer	11
Title	Party Chief	Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization	High School Diploma, 1987 / ATSSA TCS		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Survey Field Operations Manager/ Survey Party Chief		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Field Operations Manager / Survey Party Chief.</i> Responsible for supervising field operations, running a field crew, and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support title take-offs, legal description preparation, preliminary and final right of way mapping, and QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Field Operations Manager / Survey Party Chief.</i> Responsible for supervising field operations, running a field crew, and downloading data for Static GPS Control surveys, topographic surveys, property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Field Operations Manager / Survey Party Chief.</i> Responsible for supervising field operations, running a field crew, and downloading data for Static GPS Control surveys, topographic surveys, property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
04/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Field Operations Manager / Survey Party Chief.</i> Responsible for supervising field operations, running a field crew, and downloading data for topographic surveys and property surveying services in support of title take-offs and right of way mapping for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Survey Party Chief.</i> Responsible for ran a field crew and downloading data for topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.		
03/21 – 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for control, topographic, and property surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.		
01/20 – 03/21	UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right of way. Prepared 8 ALTA Surveys along with the privately owned parcels for acquisition, 0.25 acre acquisition parcel in the right of way, and an overall right of way strip map.		
12/18 – 01/20	LADOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys, surveys in support of QL A, B, C, and D subsurface utility designating/locating, and QL A, B, C, and D subsurface utility designating/locating for road rehabilitation and bridge replacement.		
04/15 – 09/15	LADOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveying services, HDS 3D Terrestrial Laser Scanning, and surveys in support of QL B subsurface utility designating for bridge rehabilitation.		


Firm Employed By	NTB Associates, Inc.		
Name	Chip LeCoq	Years of Relevant Experience with this Employer	8
Title	Party Chief	Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization	High School Diploma, 1996		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Survey Party Chief		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, and preliminary and final right of way mapping and QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BK1.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
08/23 – 09/24	LADOTD IJA Off-System Bridge Program, District 62 (4400025041). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, and preliminary and final right of way mapping in support of bridge replacements.		
04/22 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys and property surveying services in support of title take-offs and right of way mapping for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.		
01/21 – 04/21	LADOTD LA 3125 @ LA 3274 Roundabout, St. James Parish, LA (H.014416.5). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys for the design of a roundabout intersection.		
07/16 – 03/17	LADOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys for road rehabilitation and sidewalks.		

Firm Employed By	NTB Associates, Inc.		
Name	Captayn Chapman	Years of Relevant Experience with this Employer	10
Title	Party Chief	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	High School Diploma, 2006 / U.T.A. Certified Professional Utility Locator / ATSSA TCS		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Survey Party Chief		
12/17 – 09/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, title research, preliminary and final right of way mapping, and QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BK1.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
02/23 – 09/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Project Nos.). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys, property surveying services in support of title take-offs and right of way mapping for maintenance and construction projects.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.		
05/20 – 05/20	UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right of way. Prepared 8 ALTA Surveys along with the privately owned parcels for acquisition, 0.25 acre acquisition parcel in the right of way, and an overall right of way strip map.		
12/18 – 01/20	LADOTD LA 951: Roadway Washout Repairs, East Feliciana Parish, LA (H.013643). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys, surveys in support of QL A, B, C, and D subsurface utility designating/locating, and QL A, B, C, and D subsurface utility designating/locating for road rehabilitation and bridge replacement.		
06/18 – 10/18	LADOTD I-10: Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5). <i>Survey Junior Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL B, C, and D subsurface utility designating, and surveys in support of QL A, B, C, and D subsurface utility designating/locating.		

Firm Employed By	NTB Associates, Inc.		
Name	William Offer	Years of Relevant Experience with this Employer	8
Title	Party Chief	Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization	A.S. / Science in Surveying / Great Basin College of Nevada – Currently enrolled		
Active Registration Number / State / Expiration Date	#1110631 / TX / 05/09/30; #40073 / ND / 08/15/24		
Year Registered	TX 2022 / ND 2023	Discipline	SIT / LS
Contract Role(s) / Brief Description of Responsibilities	Survey Field Coordinator		
01/23 – 09/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779). <i>Field Coordinator.</i> Responsible for overseeing field crews and data transfers for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, title research, and preliminary and final right of way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River.		
08/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337). <i>Field Coordinator.</i> Responsible for overseeing field crews and data transfers for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.		
04/21 – 09/24	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338). <i>Field Coordinator.</i> Responsible for overseeing field crews and data transfers for Static GPS Control surveys, topographic surveys, and property surveys in support of title take-offs, legal description preparation, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.		
01/23 – 09/24	CenterPoint Energy Surveying Services, LA (Various Agency Project Nos.). <i>Field Coordinator.</i> Responsible for overseeing field crews and data transfers for topographic surveys and property surveys in support of right of way mapping for maintenance and construction projects.		
02/17 – 09/24	USDA/NRCS Property Surveying Services, LA (AG-7217-C-14-0010, AG-2B46-S-16-0004, & 12FPC319D0016). <i>Field Coordinator.</i> Responsible for overseeing field crews and data transfers for property surveying services and map and plat preparation for over 9,000 acres.		
04/22 – 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys and surveys in support of QL C & D subsurface utility services and drainage map preparation for interstate rehabilitation.		
05/21 – 09/21	Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for control surveys, topographic surveys, and property surveys in support of an evaluation to improve the intersection and produce a preliminary layout for a new intersection design.		
03/17 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Project No. 8-15). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for control surveys, topographic surveys, property surveys, and surveys in support of QL C & D subsurface utility services for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.		
08/20 – 08/20	Enterprise Products, Rosedale Place Subdivision Survey, Bossier Parish, LA (Agency Project No. Unknown). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for property surveying services to determine the location of a section line and its relationship to an existing pipeline. Section corners were searched for recovered and located as well as an existing pipeline.		
12/17 – 10/18	City of Shreveport, CD 126 Sewer Rehab, Caddo Parish, LA (Agency Project No. Unknown). <i>Survey Party Chief.</i> Responsible for running a field crew and downloading data for topographic surveys for sewer rehabilitation.		
03/17 – 11/17	CD 1-118 As-Built Survey, City of Shreveport, LA (Agency Project No. Unknown). <i>Survey Party Chief.</i> Responsible for responsible for running a survey crew for topographic surveys for sewer rehabilitation.		



Firm Employed By		Ardaman & Associates, Inc.	
Name	Megan Bourgeois, PE	Years of Relevant Experience with this Employer	18
Title	Project Engineer / Assistant Branch Manager	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering	
Active Registration Number / State / Expiration Date		#36725 / LA / 03/31/26; Certified NHI Drilled Shaft Inspector	
Year Registered	LA 2011	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities		Geotechnical Project Manager	
10/09 - Ongoing	SP No. H.004646.5 / I-20 Mississippi River Bridge Review, Vicksburg, MS. <i>Project Manager</i> . Responsible for managing this multi-million-dollar, high risk, high technical needs, high visibility project. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologist, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing plane, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. Co-authored the geotechnical analysis and design report.		
07/21-Ongoing	SP No. H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) Baton Rouge Parish, LA. <i>Project Engineer</i> . Responsible for leading technical reviews pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.		
07/15-Ongoing	SP No. H.004273.5 / I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange), Lafayette Parish, LA. <i>Project Engineer</i> . Responsible for assisting the Program Manager in overseeing the geotechnical investigation and design of the 5 miles of freeway consisting of a 3.5-mile elevated structures that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced pile load test programs, and earth retaining structures. Overseeing laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. Ms. Bourgeois is the project lead to develop the Geotechnical Investigation and Design Report.		
10/18-06/21	SP No. H.000263 / Chef Menteur Pass Bridge and Approach, Orleans Parish, LA. <i>Project Manager</i> . Responsible for managing and oversaw all aspects of an extensive field investigation program including performing 26 deep soil borings and 12 CPT soundings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.		
08/08 – 12/13	SP Nos. 700-09-0166 & H.003886.5 / I-49 North Phase II: Caddo Parish, LA. <i>Laboratory Director / Assistant Project Engineer</i> . Responsible for coordinating an extensive laboratory testing program with an aggressive schedule to provide geotechnical characterization data for use in design of deep foundations, earth retaining structures and culverts.		
10/14-12/16	SP NO. H.010601.5 / I-10 Widening (E. JCT. I-49 TO LA 328), St. Martin Parish, LA. <i>Project Engineer</i> . Responsible for managing and providing oversight for the geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.		
05/06-12/11	SP NO. 700-29-0112 & 700-29-0130 / LA 1 – Phases 1 and 2, Lafourche Parish, LA. <i>Project Engineer</i> . Responsible for directing the laboratory testing program to ensure strict adherence to LADOTD standards and managed the drilling operations which included deep borings and CPT soundings in the coastal marshes via airboat mounted equipment. She oversaw the completion of over 70 soil boring logs and approximately 300 CPT sounding logs for use in design of pile foundations. This project is the second phase of the 17-mile elevated highway spanning from Golden Meadow to Fourchon.		





Firm Employed By	Ardaman & Associates, Inc.		
Name	Robert Jewell, PE	Years of Relevant Experience with this Employer	17
Title	Project Engineer / Vice President / Branch Manager	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS / 2009 / Civil Engineering		
Active Registration Number / State / Expiration Date	#38579 / LA / 09/30/26; Traffic Control Supervisor / LA / 08/23/28		
Year Registered	LA 2013	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Project Engineer		
07/21-Ongoing	SP No. H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) Baton Rouge Parish, LA. <i>Project Manager</i>. Responsible for leading all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.		
07/15-Ongoing	SP NO. H.004273.5 / I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange), Lafayette Parish, LA. <i>Project Manager</i>. Responsible for managing the geotechnical investigation and design for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced load test programs, and earth retaining structures. Oversees and coordinates the field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project.		
10/18-06/21	SP NO. H.000263.5-1 / Chef Menteur Pass Bridge and Approach, Orleans Parish, LA. <i>Project Engineer</i>. In conjunction with Ms. Bourgeois, Mr. Jewell oversaw the geotechnical investigation consisting of deep borings and field resistivity testing. Reviewed laboratory tests, final soil and CPT logs, and the data report.		
10/18-01/19	SP NO. H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road, Bossier Parish, LA. <i>Project Engineer</i>. Responsible for assisting the Project Manager in preparing the preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. Jewell oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring. He also helped review and design the pavement section.		
11/15-01/21	SP No. H.011309 / McArthur Interchange Completion Phase II, US 90Z, Jefferson Parish, LA. <i>Project Manager</i>. Responsible for overseeing the geotechnical field investigation that included deep and shallow CPT soundings, borings, laboratory testing, subsurface characterization, and engineering analyses to provide foundation design, verification of test plans and construction monitoring plans for the addition of two ramps. Design recommendations included post grouted drilled shafts.		
04/14-03/22	SP No. H.004435 / I-12 TO Bush Segment 2, LA 3241 (LA 36-LA435), St. Tammany Parish, LA. <i>Project Engineer</i>. Responsible for overseeing and coordinating the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts.		
10/14-12/16	SP NO. H.010601.5 / I-10 Widening (E. JET. I-49 TO LA 328), St. Martin Parish, LA. <i>Project Engineer</i>. Responsible for overseeing and coordinating the geotechnical investigation which will include 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.		



Firm Employed By	Ardaman & Associates, Inc.		
Name	Robert Rousset, PE	Years of Relevant Experience with this Employer	18
Title	Project Engineer / Vice President / Regional Manager	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering		
Active Registration Number / State / Expiration Date	#38637 / LA / 09/30/26		
Year Registered	LA 2014	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Project Engineer		
07/16-Ongoing	SP NO. H.004113 / I-12 (US 190 TO LA 59): East Baton Rouge Parish, LA. <i>Project Manager</i>. Responsible for overseeing and coordinating the geotechnical investigation which included 23 deep soil borings and associated laboratory testing along an alignment that included 4 bridges.		
07/14-05/18	SP NO. H.004113 / I-12 to Bush Segment 3, LA Highway 3241 (LA 435 to LA 40/LA 41), St. Tammany Parish, LA. <i>Project Manager</i>. Responsible for overseeing and coordinating the geotechnical investigation which included 26 soil borings, sampling, and laboratory testing along the alignment that included one bridge, LA 435 over Talisheek Creek. Oversaw geotechnical analyses and preparation of design recommendation report which included pile supported approach slabs and pile foundations for the bridge structures and shallow foundation design for the culverts.		
05/12-03/13	SP NO. H.002260.5 / Goose Bayou Bridge Route LA 45, Lafitte, LA. <i>Assistant Project Engineer</i>. Responsible for managing geotechnical investigation for the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling equipment under difficult access conditions. Assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.		
07/09-08/11	SP NO. 700-29-0112 / LA 1 – Phase 1, Lafourche Parish, LA. <i>Assistant Project Engineer</i>. Responsible for serving in the field as onsite engineer for Phase 1A of this project in southeast Louisiana. The completed project consisted of 17 miles of elevated roadway with low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Conducted dynamic monitoring using PDA, performing CAPWAP analyses, reviewed drive logs, and supervised field technicians.		
03/11-02/12	SP NO. H.003886.5 / I-49 Segment J, Caddo Parish, LA. <i>Assistant Project Engineer</i>. Responsible for planning the geotechnical investigation program, coordinated field activities, assigned lab testing, reviewed laboratory test results, classified soil types based on laboratory tests, and compiled soil boring logs in the LA DOTD format.		
08/09-12/09	Central Thruway, East Baton Rouge Parish, LA. <i>Assistant Project Engineer</i>. Responsible for performing PDA testing on pre-stressed, pre-cast concrete piles for various bents.		



Firm Employed By	Ardaman & Associates, Inc.		
Name	Ross McGillivray, PE	Years of Relevant Experience with this Employer	25
Title	Principal Engineer	Years of Relevant Experience with Other Employer(s)	29
Degree(s) / Years / Specialization	BCE / 1966 / Civil Engineering MS / 1968 / Civil Engineering (Soil Mechanics)		
Active Registration Number / State / Expiration Date	#17920 / FL / 02/28/25		
Year Registered	FL 1998	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Project Engineer		
07/21-Ongoing	SP No. H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) Baton Rouge Parish, LA. <i>Project Engineer.</i> Responsible for leading all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.		
07/15-Ongoing	SP NO. H.004273.5 / I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange), Lafayette Parish, LA. <i>Project Engineer.</i> Responsible for managing the geotechnical investigation and design for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced load test programs, and earth retaining structures. Oversees and coordinates the field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project.		
09/01 – 11/01	I-10/12 Sound Walls, Wall 6-Design Lateral Load Test on Drilled Shafts / Sound Wall Shaft CLS Evaluation, Baton Rouge, LA. <i>Project Engineer.</i> Responsible for performing a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Mr. McGillivray also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by LADOTD for the project.		
10/18-12/18	SP NO. H.003370 / I-220/I-20 Interchange Improvement and Barksdale Air Force Base Access Road, Bossier Parish, LA SP No. H.003370. <i>Project Engineer.</i> Responsible for helping review and perform analyses of Drilled Shaft Load Tests and Static Capacity for this Design Build project consisting of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from I-20 in Shreveport, LA.		
11/15-01/21	MacArthur Interchange Completion Phase II Route US 90-Z Jefferson Parish, SP No. H.011309. <i>Project Engineer.</i> Responsible for reviewing and evaluated the capacity of tip-grouted Drilled Shafts utilizing Cone Penetrometer Test (CPT) sounding data for Phase II of the MacArthur Interchange consisting of construction ramps entering and exiting Westbank Expressway.		
5/05 – 11/05	I-10 Bridges over Escambia Bay, Pensacola, FL (AAI 05-40-1149). <i>Project Engineer.</i> Responsible for working as the Lead Geotechnical Engineer with Ardaman's Tallahassee, Florida office for the design of foundations for the replacement bridges. The I-10 bridge over Escambia Bay was damaged by Hurricane Ivan in 2004. The two bridges were three lanes, 2.6 miles long with 103 spans for each bridge. The project was the first project since 1972 in Florida to use 36-inch voided Prestressed Concrete Piles. The soil conditions consisted of deep, soft silt and clay sediments over loose sand underlain by medium dense to dense sand. Driving criteria were established for two different pile hammers with maximum driving energy of 150 kip-ft.-lbs. but with ram weights of 30 and 60 kips. Wave Equation Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Both Vertical and Lateral Load tests were performed for the project, with good correlation between the Vertical Load test results and the Static Capacity and PDA/CAPWAP analyses. Lateral load performance analyses showed that the soils strengths projected from Cone Penetrometer Tests were required to model the results of the load test.		



Firm Employed By	Ardaman & Associates, Inc.		
Name	Jarmon King, PE	Years of Relevant Experience with this Employer	5
Title	Assistant Project Engineer	Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization	BS / 2019 / Civil Engineering Traffic Control Supervisor / LA / 11/08/27 DOTD Flagger / LA / 05/29/28		
Active Registration Number / State / Expiration Date	#49179 / LA / 03/31/25		
Year Registered	LA 2019	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Assistant Project Engineer		
07/21-Ongoing	SP NO. H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) Baton Rouge Parish, LA. <i>Assistant Project Engineer</i>. Responsible for assisting in engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.		
10/18-06/21	SP NO. H.000263 / Chef Menteur Pass Bridge and Approach, Orleans Parish, LA. <i>Assistant Project Engineer</i>. Responsible for helping produce soil boring logs and CPT soundings in LADOTD format. Also, assisted with development of the data report.		
10/18-12/18	SP NO. H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road, Bossier Parish, LA. <i>Assistant Project Engineer</i>. Responsible for assisting the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King is currently performing PDA testing and CAPWAP analyses for the field construction.		
06/20-11/22	SP. NO. H.002825 / Nicholson Drive (LA HWY 30) Segment 1: East Baton Rouge Parish, LA. <i>Assistant Project Engineer</i>. Responsible for the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive for the MOVEBR Program. Thirteen shallow soil borings and two deep soil borings were drilled at the subject site and associated laboratory testing was performed. Engineering analyses included pavement and culvert crossing design recommendations in accordance with LADOTD specifications.		



Firm Employed By	Ardaman & Associates, Inc.		
Name	Jessica N. Litt	Years of Relevant Experience with this Employer	10
Title	Laboratory Manager	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS / 2010 / Biology		
Active Registration Number / State / Expiration Date	NICET / Generalist, Laboratory No. 141243 / 10/01/27		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Laboratory Manager		
10/09-Ongoing	SP NO. H.004646.5 / Mississippi River Bridge Review, Vicksburg, MS. <i>Laboratory Technician</i>. Responsible for assisting with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unconfined Compressive Test and Unit Weight, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests and Consolidated-Drained Direct Shear Tests.		
10/18-06/21	SP NO. H.000263.5-1 / Chef Menteur Pass Bridge and Approach, Orleans Parish, LA. <i>Laboratory Technician</i>. Responsible for assisting with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.		
11/15-01/21	SP NO. H.011309 / MacArthur Interchange Completion Phase 2, Route US 90-Z: Jefferson Parish, LA. <i>Laboratory Technician</i>. Responsible for assisting with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests.		
04/14-03/22	SP NO. H.004435 / I-12 to Bush Segment 2, LA 3241: St. Tammany Parish, LA. <i>Laboratory Technician</i>. Responsible for assisting with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.		
04/14-05/18	SP NO. H.004113 / I-12 to Bush Segment 3, LA HWY. 3241 (LA 435 TO LA 40 / 41): St. Tammany Parish, LA. <i>Laboratory Technician</i>. Responsible for assisting with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.		



Firm Employed By	Ardaman & Associates, Inc.		
Name	Donald Anthony	Years of Relevant Experience with this Employer	21
Title	Senior Distiller	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	High School Diploma		
Active Registration Number / State / Expiration Date	Louisiana Water Well Driller's License #WWC-212		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Drilling Supervisor		
07/15-Ongoing	SP NO. H.004273.5 / I-49 Connector, Geotechnical Investigation, Lafayette Parish, LA. <i>Drilling Supervisor</i>. Responsible for supervising the completion of preliminary field investigation consisting of 120 deep borings, 19 CPT soundings, and 26 shallow borings.		
04/14-03/22	SP NO. H.004435 / I-12 to Bush Segment 2, LA 3241, St. Tammany Parish, LA. <i>Drilling Supervisor</i>. Responsible for overseeing the completion of 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings and sampling along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2.		
08/08-02/12	SP NO. 700-09-0166 & H.003886.5 / I-49 Segments E-J, Caddo, LA. <i>Drilling Supervisor</i>. Responsible for conducting field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.		
02/12-11/13	SP NO. H.003495.5 / I-49 Segment K (I-220 TO MLK), Caddo Parish, LA. <i>Drilling Supervisor</i>. Responsible for conducting field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.		
07/09-11/11	LA 1, Phase 1 and Phase 2, Lafourche Parish, LA. <i>Senior Driller</i>. Responsible for performing drilling and CPT services for a geotechnical investigation conducted in Louisiana coastal marshes utilizing a fleet of customized airboats. This project included over 100 boring and CPT sounding sample locations.		
07/18-Ongoing	Mid-Breton Sediment Diversion, Plaquemines Parish, LA. <i>Senior Driller</i>. Responsible for serving as Senior Driller for CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee. The fieldwork for this project included over 50 sample locations inclusive of 3-in and 5-in diameter borings, CPTs, Vane Shear tests, and resistivity testing.		

17 Firm Experience

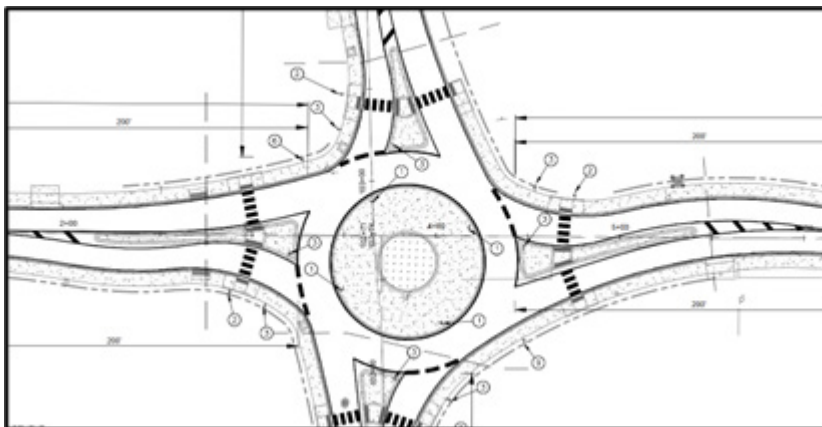
Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	Texas Street Roundabout		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Natchitoches	
Project Location	Natchitoches, LA		Owner's Project Manager	Nicholas Verret, Jr.
Owner's Address, Phone, Email		110 Mill Street, Natchitoches, LA 71457, 318.357.3875. nverretjr@natchitochesla.gov		
Services commenced by this firm (mm/yy)		08/23	Total consultant construct cost (\$1,000s)	\$1,195
Services completed by this firm (mm/yy)		01/25 (est.)	Cost of consultant services provided by this firm (\$1,000s)	\$189
Staff Involved: Marcus Taylor, Brandon Aillet				

Description

Halff has been tasked with providing comprehensive surveying, geotechnical, environmental, and engineering design services for a roundabout at the intersection of LA Hwy 1 (Texas Street) and Dixie Street in Natchitoches, LA. This ongoing project is being administered by the Office of Facility Planning and Control in collaboration with the City of Natchitoches.

The environmental study included a Phase 1 Environmental Site Assessment which provided a preliminary evaluation of the environmental condition of the surrounding properties. This assessment was conducted within a one-mile radius of the proposed roundabout to identify any potential environmental concerns that could affect the project.

Funded by a RAISE grant, the project prioritizes pedestrian safety improvements, accessibility, and connectivity. Located in a commercial district, the design had to accommodate both commercial and residential driveways, as well as the relocation of existing buildings. The engineering design services encompass geometric design, subsurface drainage design, Right of Way acquisitions, and the relocation of existing utilities. Halff has worked closely with both City and State staff to achieve the project's success.



Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	Cleveland-Gibbs Road Reconstruction		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Northlake	
Project Location	Northlake, Texas		Owner's Project Manager	Drew Corn
Owner's Address, Phone, Email	1500 Commons Circle, Suite 300, Northlake, TX 76226, 940.648.3290, dcorn@town.northlake.tx.us			
Services commenced by this firm (mm/yy)	12/18	Total consultant contract cost (\$1,000s)		\$4,000
Services completed by this firm (mm/yy)	01/24	Cost of consultant services provided by this firm (\$1,000s)		\$400

Staff Involved: Brandon Aillet, Victor Bivens

Description

Halff provided survey, platting, subsurface utility engineering, hydrologic and hydraulic modeling, and roadway engineering design for constructing Cleveland-Gibbs Road, a four-lane divided thoroughfare 5,400 linear feet in length. Cleveland-Gibbs Road begins at FM 407 and extends south 4,300 linear feet to just north of Mulkey Lane. Only the northbound two lanes will be constructed with this segment. The project also includes Cleveland-Gibbs Road starting at FM 1171 and extends north 1,100 linear feet. Only the two southbound lanes will be constructed with this segment. However, grading for the entire roadbed, and the ultimate roadway pavement design and storm sewer was completed in this phase to confirm limits of construction and right of way takes. Halff coordinated with the Town of Corral City for roadway intersections, and TxDOT for intersection designs and permitting at FM 407 and FM 1171. The plan set was designed following the Town of Northlake and TxDOT standards including 175 plan sheets for project layout, typical roadway sections, right of way maps, removal plans, paving plans and profiles, driveway plans and profiles, grading plans, drainage area maps, and calculations, storm drain plan and profiles, culvert plan and profiles, pavement marking and signage, erosion control plans, illumination plans, cross-sections, and standard details. Construction was completed in November 2018, just 6 months after the construction plans were finalized.



17 Firm Experience

Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	Shreveport 2020 Roadway and Drainage Master Service Agreement		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Shreveport	
Project Location	Shreveport, Louisiana		Owner's Project Manager	David Smith, PE City Engineer
Owner's Address, Phone, Email	City of Shreveport PO Box 31109 Shreveport, LA 71130, 318.673.6050, david.smith@shreveportla.gov			
Services commenced by this firm (mm/yy)	09/22		Total consultant contract cost (\$1,000s)	\$7,046
Services completed by this firm (mm/yy)	07/24		Cost of consultant services provided by this firm (\$1,000s)	\$1,350

Staff Involved: Brandon Aillet, Marcus Taylor

Description

In 2022, the City of Shreveport awarded Halff a Roadway and Drainage Master Services Agreement (MSA). The tasks that have been assigned to Halff include planning and cost estimating, conducting studies and predesign reports, revising standard plans and specifications, conducting topographic surveys, providing geotechnical services, preliminary and final engineering plans for traffic signal designs, drainage designs, and roadway improvements designs. Halff has also provided bidding and construction administration services and support phases. **To date, Halff has received and provided services on 23 task orders under this MSA.** Following are a few task orders with relevance to this Shreveport Pavement Program:

TASK 009: Audrey Lane Road Rehabilitation

Halff provided engineering design services for a roadway improvements project along Audrey Lane between Kelsey St. and Audrey Ln.'s south end. This endeavor involved rehabilitating approximately 3,700 linear feet of the existing concrete roadway, driveways, and sidewalks and ensuring ADA-compliant accessibility at each intersection. The design also included addressing existing drainage issues along Audrey Lane. Halff's implementation of subsurface drainage systems south of W. Aline Ave significantly improved water accumulation and enhanced the road's lifespan, marking a significant achievement for the project.

Halff was pivotal in directing and supervising the development of a drainage and temporary grading easement required for the proposed drainage outfall. Furthermore, the Halff team assisted the City in utility coordination, bidding services, and construction administration.

TASK 010: David Raines Road Rehabilitation

Halff provided engineering design services for a roadway improvement project along David Raines Road, from Dr. Martin Luther King Jr. Drive to LA Highway 173 (Hilry Huckaby III Avenue). The existing roadway suffered from damaged and aged concrete panels, as well as deteriorated curbs and sidewalks. Halff's expertise aimed to address these existing issues and enhance the overall quality of the roadway. The project included the design of concrete panel replacement, curbs, and sidewalks. The Halff team also assisted the city in utility coordination, bidding services, and construction administration.

Halff's design incorporates ADA-accessible ramps at each intersection to enable pedestrians, including those with mobility challenges, to navigate intersections safely.

TASK 019: St. Charles Mill and Overlay

Halff currently provides engineering design services to rehabilitate and improve a 0.5-mile stretch of St. Charles Boulevard between Norris Ferry Rd. and St. Tammany Ct. The existing roadway is a residential two-lane roadway composed of asphaltic concrete pavement with concrete pavement intersections. The design involves milling and overlaying the asphaltic concrete pavement sections, full-depth roadway reconstruction, and replacing concrete panels at the intersections. Additionally, the design will provide ADA-compliant accessibility at each intersection within the project area.

The Halff team will assist the City in utility coordination, bidding services, and construction administration. Effective traffic control measures will be crucial for this project, ensuring residents can access the neighborhood and their houses during construction.

Firm Name	Halff		Past Performance Evaluation Discipline(s)*		Road
Project Name	Linwood Avenue Reconstruction, Phase 3			Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Shreveport		
Project Location	Shreveport, Louisiana		Owner's Project Manager	David Smith, PE City Engineer	
Owner's Address, Phone, Email		City of Shreveport PO Box 31109 Shreveport, LA 71130, 318.673.6050, david.smith@shreveportla.gov			
Services commenced by this firm (mm/yy)		05/22	Total consultant contract cost (\$1,000s)		\$7,049
Services completed by this firm (mm/yy)		07/24	Cost of consultant services provided by this firm (\$1,000s)		\$120
Staff Involved: Brandon Aillet, Marcus Taylor					

Description

Halff provided engineering design services for a roadway improvements project along Linwood Ave. from Mount Zion Rd. to West 84th St. in Shreveport, LA. The existing roadway suffered from a combination of damaged concrete panels, deteriorated curbs, and worn sidewalks. These conditions collectively made the road unpleasant to travel down. Commuters faced uneven surfaces, potential tripping hazards, and suboptimal experience. Addressing these issues through rehabilitation efforts was essential to improve residents' and businesses' safety, functionality, and overall satisfaction.

The Halff team is closely coordinating with LADOTD and actively participating in construction administration to help achieve the successful execution of the project. This instills in stakeholders' confidence that the roadway improvements were completed promptly and effectively thanks to a well-managed and efficient process. The team aimed to create a safer, more functional, and aesthetically pleasing road for commuters and residents by focusing on concrete panel replacement, curbs, and sidewalks and incorporating ADA-accessible ramps at each intersection. These efforts were essential in improving the overall quality of the roadway, addressing existing issues, and providing stakeholders with a better experience. As a result, we anticipate that these improvements will bring specific benefits to businesses and residents alike.

A LADOTD Urban System Program Project

Project Highlights

- » City of Shreveport
- » Coordination with LADOTD



Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	Royston Lane		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Pflugerville	
Project Location	Pflugerville, Texas		Owner's Project Manager	Katie Kam, PhD, PE, Asst. Director of Transportation
Owner's Address, Phone, Email	PO Box 589 Pflugerville, TX 78691, 512.990.6100, katiek@pflugervilletx.gov			
Services commenced by this firm (mm/yy)	06/19	Total consultant contract cost (\$1,000s)		\$2,500
Services completed by this firm (mm/yy)	02/26 (est.)	Cost of consultant services provided by this firm (\$1,000s)		\$121

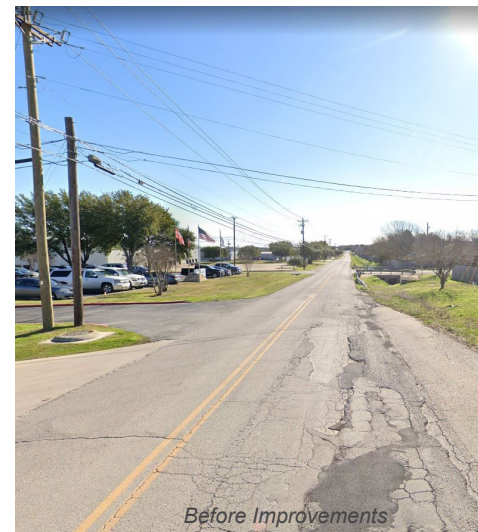
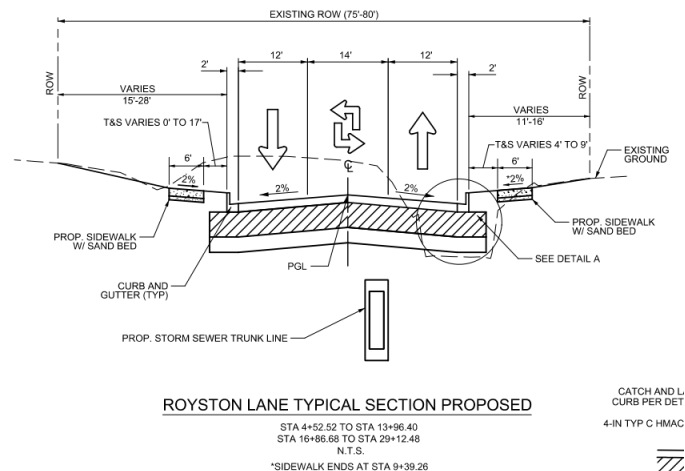
Staff Involved: Brandon Aillet, Victor Bivens, Scott Rushing

Description

Halff provided preliminary schematic design, survey, SUE, hydrology and hydraulics analysis, and PS&E preparation for reconstructing Royston Lane in Pflugerville, Texas. This project was one of three roadways designed by Halff as part of Pflugerville's 2019 bond program. The design respaced around 3,200 feet of two-lane asphalt roadway with a three-lane concrete curbed roadway. Additionally, a new 6-foot-wide concrete sidewalk was included in the design to provide pedestrian connections to north/south arterial roadways and commercial and residential subdivision access.

The design included approximately 2,000 feet of storm sewer box culvert trunk main, twenty-five curb inlets and laterals, and triple 10- x 7-foot box culverts to convey the Gilleland Creek Tributary.

Due to the large number of commercial drives and residential subdivision roads connecting to Royston Lane, one lane needed to remain open during construction. To accommodate this, Halff prepared traffic control plans that restricted the road to one-way traffic during construction and detoured opposite-direction traffic around the work zone.



17 Firm Experience

Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic
Project Name	I-10 ITS Scott to Lake Charles		Firm Responsibility	Sub Consultant
Project Number	H.013256.5	Owner's Name	Louisiana DOTD	
Project Location	I-10 (District 07)		Owner's Project Manager	Roy Esteven, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-2527, Roy.Esteven@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)	03/21	Cost of consultant services provided by this firm (\$1,000s)		\$21,162

Staff Involved: Laurence Lambert, Brin Ferlito, Reece Rodrigue, and Kristen Farrington

Vectura performed a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included the following activities:

- Safety strategy that included a CAT Scan
- LOS determination utilizing Citrix data
- Lane closure recommendations based on a queue analysis
- Cost estimate
- Public information strategies



Applicable for this project {Required (✔)}	Level 2 TMP Components	Stage 0	Stage 1	Stage 3		Workflow Notes
				Preliminary	Final	
				60% Submittal	90% Submittal	
Analysis		Percent Complete				
	Detour Analysis	100%				1
	Queue Analysis according to EDSMCI.1.1.4	100%				1
✔	TTC Details			50%	100%	7
	TTC Plan (based on type and location of construction)			50%	100%	7
	Mitigation (if the current roadway is LOS F)	60%	100%			4
	Mitigation (if the roadways on the Abnormal Crash Location list)	60%	100%			4
	Evacuation Strategy (if used as an evacuation route)	100%				4
	Work Restrictions	20%	50%	70%	100%	4
✔	Basic Public Information release at the District level			60%	100%	8

17 Firm Experience

Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic, CE&I/OV
Project Name	Belle Chasse Bridge & Tunnel Replacement PPP		Firm Responsibility	Sub Consultant
Project Number	H.004791	Owner's Name	Louisiana DOTD	
Project Location	Belle Chasse, LA		Owner's Project Manager	Nickolas Olivier, PE
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1133, Nicholas.olivier@la.gov			
Services commenced by this firm (mm/yy)	4/19	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)	\$211.890	

Staff Involved: Brin Ferlito, Laurence Lambert, and Reece Rodrigue

Vectura is providing the traffic engineering services for the Belle Chasse Bridge & Tunnel Replacement Project for improvements along LA 23. Vectura is responsible for the following tasks:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Assist the Prime with Traffic Management Plan (TMP)
- Response to request for information (RFI's)
- As-built plans for the traffic signals



BELLE CHASSE BRIDGE AND TUNNEL REPLACEMENT PROJECT UPDATE

Phase 1c - November 2022



17 Firm Experience

Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*	Traffic
Project Name	I-20: LA 544 Overpass Replacement		Firm Responsibility	Sub Consultant
Project Number	H.010616	Owner's Name	Louisiana DOTD	
Project Location	Baton Rouge, LA		Owner's Project Manager	Jacob Fusilier
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1185, Jacob.Fusilier@la.gov			
Services commenced by this firm (mm/yy)	4/23	Total consultant contract cost (\$1,000s)	Unknown	
Services completed by this firm (mm/yy)	10/23	Cost of consultant services provided by this firm (\$1,000s)	\$131.973	

Staff Involved: Laurence Lambert, Brin Ferlito, Reece Rodrigue, & Kristen Farrington

Vectura performed a Level 2 Traffic Management Plan (TMP) that included the following activities:

- Preliminary and final traffic studies
- Temporary and final traffic signal plans
- Traffic Management Plan (TMP)
 - Safety strategy that included a CAT Scan,
 - LOS determination utilizing Citrix data,
 - Lane closure recommendations based on a queue analysis,
 - Cost estimate,
 - Public information strategies.



17 Firm Experience

Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*		Survey, Right of Way
Project Name	Rural Bridge Replacement Initiative Phase II			Firm Responsibility	Sub Consultant
Project Number	4400019338	Owner's Name	Louisiana DOTD		
Project Location	Districts 02, 03, 07, 61, & 62		Owner's Project Manager	Mr. Robert J. Lear, Jr., PE, LS	
Owner's Address, Phone, Email		10305 Airline Highway, Baton Rouge, LA 70816 (225) 298-0800 rlear@sigmacg.com			
Services commenced by this firm (mm/yy)		9/20	Total consultant contract cost (\$1,000s)		\$2,251.7
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000s)		\$2,251.7
Staff Involved: B. Bunch, M. King, A. King, C. LeCoq, G. Gilleon, I. Jack, C. Chapman, W. Offer, P. Staiano, T. Sitton, W. Wales					

NTBA is performing GPS Control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, preliminary and final Right of Way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements throughout South Louisiana. Topographic surveying includes surveying of all sub-surface drainage structures, 200 feet upstream and downstream with cross-sections every 50 feet along channels, deck gutter lines, centerline of joints, low chord elevations, bent locations, and Right of Way 800 feet on either side of the structure. NTBA produced electronic topographic drawings in MicroStation depicting all utility and topographic information. Data was provided to the engineering consultant for incorporation into their hydraulic model being utilized to evaluate the system.



Boundary surveying has been performed for 15 bridges with approximately 50 parcels. Services include surveying each parcel affected by either construction servitude or additional Right of Way requirements as well as production of property survey submittal, preliminary and final Right of Way maps, and parcel descriptions. All services are being completed following the Location and Survey Manual Addendum A and all currently accepted Location and Survey Automated procedures.



17 Firm Experience

Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*	Survey, Right of Way
Project Name	Jimmie Davis Bridge (LA 511) Design-Build		Firm Responsibility	Sub Consultant
Project Number	H.001779	Owner's Name	Louisiana DOTD/ James Construction/ Huval & Associates, Inc.	
Project Location	Bossier & Caddo Parishes, LA		Owner's Project Manager	Mr. Aaron Dupont
Owner's Address, Phone, Email		18484 E. Petroleum Drive, Baton Rouge, LA 70809 (225) 442-6362 adupont@prim.com		
Services commenced by this firm (mm/yy)		1/22	Total consultant contract cost (\$1,000s)	\$1,140
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000s)	\$1,140
Staff Involved: B. Bunch, M. King, A. King, C. LeCoq, G. Gilleon, I. Jack, C. Chapman, W. Offer, P. Staiano, C. Harlan, T. Sitton, W. Wales				

NTBA is performing static GPS control, topographic and property surveying services, traffic control, utility coordination services, QL A, B, C, & D utility designating/locating, as well as preparing title takeoffs, 60% Right of Way Maps, Final Right of Way Maps, and legal descriptions for the design-build project to replace the Jimmy Davis Bridge across the Red River. The scope of this project consists of constructing a new four-lane structure carrying LA 511 across the Red River, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of the bridge; as well as providing full access interchanges between LA 511 and Clyde Fant Memorial Parkway and Arthur Ray Teague Parkway. NTBA designed and implemented a Traffic Control Plan for a bridge closure to verify the horizontal and vertical control set by LADOTD during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. All of this was completed during night shifts to promote the safety of employees and the public, and to avoid traffic disruptions.



NTBA performed property surveys and title take-offs for approximately 50 properties adjacent to the route and a property survey submittal was prepared with apparent Right of Way shown. Final Mylar Right of Way Maps have been submitted for 21 parcels requiring Right of Way taking. The set included 21 plan sheets and one title sheet.

NTBA performed SUE services to designate all utilities within the project limits. A conflict matrix was created showing the utilities in conflict with the construction. We are coordinating with the utility owners to relocate utilities that conflict with the construction and will monitor the relocation to confirm compliance with relocation plans. NTBA is utilizing the Louisiana Department of Transportation Survey and Design Manual Addendum A as well as CI/ASCE Standard 38-02.



17 Firm Experience

Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*		Survey
Project Name	I-10: LA 415 to Essen Lane on I-10 and I-12			Firm Responsibility	Prime
Project Number	44-12323, 44-17713, 44-14660 - Multiple TOs	Owner's Name	Louisiana DOTD		
Project Location	West & East Baton Rouge Parishes, LA		Owner's Project Manager	Mr. Nicholas J. Olivier, PE	
Owner's Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 nicholas.olivier@la.gov			
Services commenced by this firm (mm/yy)		12/17	Total consultant contract cost (\$1,000s)		\$8,743
Services completed by this firm (mm/yy)		09/24	Cost of consultant services provided by this firm (\$1,000s)		\$5,375
Staff Involved: B. Bunch, M. King, A. King, C. LeCoq, G. Gilleon, I. Jack, C. Chapman, W. Offer, P. Staiano, T. Sitton, W. Wales					

This project began in 2017 and has continued throughout the years under separate LADOTD Task Orders for additional work. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas. NTBA has performed Static GPS control surveys, topographic surveying services, HDS 3D Terrestrial Laser Scanning, and subsurface utility engineering services throughout the approximately 11 miles of the project corridor of I-10 and approximately 2 miles of the project corridor of I-12 in West Baton Rouge and East Baton Rouge Parishes, including all surface streets and drainage ways within and surrounding the project corridor. NTBA was the prime consultant and in direct supervision and control of 7 sub-consultants with multiple project milestones.

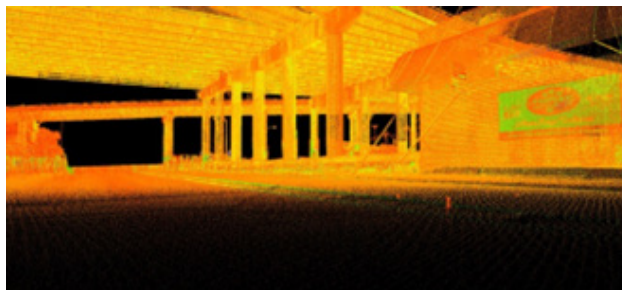


Topographic surveying utilized conventional surveying, Static/RTK GPS, and HDS 3D Terrestrial Laser Scanning methods of data collection. The project also included several lane closures on the interstate, which were all managed by NTBA staff, most of which were completed at night.

NTBA also developed surface models from LiDAR data obtained from our survey crews as well as those of the 3 other sub-consultants. This involved much coordination with the sub-consultants to achieve seamless transitions between the different surveys.

NTBA performed QL B, C, and D utility designating services as part of this project. NTBA provided designating crews and managed coordination between 2 other SUE sub-consultants. As the prime, and because of the extensive scope of this project, it was split into multiple sections with each of the 3 SUE firms receiving their sections with differing submittal deadlines.

Drawings with aerials and MicroStation files were provided as the deliverable. This project is being completed following the most current edition of the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.



17 Firm Experience

Firm Name	Ardaman & Associates, Inc.		Past Performance Evaluation Discipline(s)*		Geotech
Project Name	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167)			Firm Responsibility	Sub Consultant
Project Number	SP No. H.004273.5	Owner's Name	Louisiana DOTD		
Project Location	Lafayette Parish, LA		Owner's Project Manager	Chris Nickel	
Owner's Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 225.379.1100 Chris.Nickel@la.gov			
Services commenced by this firm (mm/yy)		07/15	Total consultant contract cost (\$1,000s)		\$21,000
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000s)		\$1,889
Staff Involved: Robert Jewell, Megan Bourgeois, Robert Rousset, Jarmon King					

The overall project includes the construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/ US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles, 3.5 of which consist of an elevated structure. The project includes one three-level directional interchange at Kaliste Saloom Road (majority of interchange on structure); two full diamond interchanges at University/Surrey Street and Willow Street; two single point diamond interchanges at Johnston Street and 2nd/3rd Streets with associated railroad grade separations and arterial cross street studies involved; and various cross street connections at Pinhook Road, Jefferson Street, Mudd/Simcoe Street, Donlon Street, Castille/Martin Luther King Road and several minor streets.



The scope of services for this project includes preconstruction engineering design and related services for the construction of 5 miles of freeway consisting of a 3.5-mile-elevated structure that will include pile-supported approach slabs, pile foundations, slope stability, pavement recommendations, embankment settlement, development of an advanced load test program, earth retaining structures, pavement design recommendations, and development of a design report presenting the geotechnical recommendations. The goal of the project is to design and construct the freeway and connecting infrastructure within the parameters and commitments of the selected alternative. Ardaman is currently conducting the geotechnical field investigation which consists of approximately 400 deep and shallow borings and Cone Penetrometer (CPT) soundings (including field reconnaissance, gaining rights of entry, completing utility location, GPS location and water table elevations), laboratory testing, and geotechnical engineering analyses and design for this project.



17 Firm Experience

Firm Name	Ardaman & Associates, Inc.		Past Performance Evaluation Discipline(s)*		Geotech
Project Name	Nicholson Drive (LA HWY 30) Segment 1			Firm Responsibility	Sub Consultant
Project Number	SP. No. H.002825	Owner's Name	Louisiana DOTD		
Project Location	East Baton Rouge Parish, LA		Owner's Project Manager	Chris Nickel	
Owner's Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 225.379.1100 Chris.Nickel@la.gov			
Services commenced by this firm (mm/yy)		06/20	Total consultant contract cost (\$1,000s)		\$9
Services completed by this firm (mm/yy)		10/20	Cost of consultant services provided by this firm (\$1,000s)		
Staff Involved: Robert Jewell, Megan Bourgeois, Robert Rousset, Jarmon King					

The project consisted of the reconstruction and widening of a section of Nicholson Drive between the intersections of Brightside Lane and Burbank Drive. Ardaman performed a geotechnical investigation to analyze the existing soil conditions at the cross-drain locations. This information was supplemented with existing soil boring logs from previous investigations to provide the pavement design recommendations.

The field investigation, conducted in accordance with the MOVEBR Design Guidelines, included thirteen (13) shallow soil borings and two (2) deep soil borings. The shallow soil borings were drilled to a depth of 6 feet below existing ground surface (bgs) and the deep soil borings were terminated at 40 feet in depth.

Laboratory testing was performed on select samples. The engineering analyses included earthwork considerations, culvert recommendations, including bedding and bearing capacity, and pavement recommendations in accordance with LADOTD specifications.



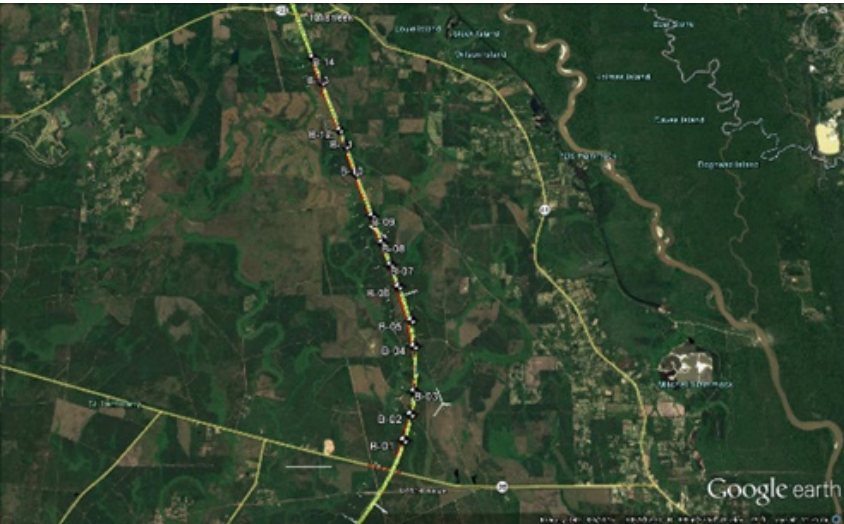
17 Firm Experience

Firm Name	Ardaman & Associates, Inc.		Past Performance Evaluation Discipline(s)*		Geotech
Project Name	I-12 to Bush – Route LA 3241 (LA 36 – LA 435) Segment 2			Firm Responsibility	Sub Consultant
Project Number	SP No. H.004435	Owner’s Name	Louisiana DOTD		
Project Location	St. Tammany Parish, LA		Owner’s Project Manager	Chris Nickel	
Owner’s Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 225.379.1100 Chris.Nickel@la.gov			
Services commenced by this firm (mm/yy)		04/14	Total consultant contract cost (\$1,000s)		\$3,197
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm (\$1,000s)		\$460
Staff Involved: Robert Jewell, Megan Bourgeois, Robert Rousset					

As part of the TIMED Program, the project consists of design of a new highway which ties into I-12 at the existing I-12/LA 434 Interchange (Exit 74) and proceeds northerly along LA 434 for approximately 2.5 miles then leaves the existing highway and proceeds on new alignment until it connects with an abandoned railroad corridor approximately 1.7 miles north of LA 36. The alignment then follows the abandoned railroad alignment north and ties into the intersection of LA 40 and LA 41. The project is divided into three distinct project segments for which Ardaman was on the teams selected for Segments 2 and 3.

Segment 2 consists of an 8-mile alignment between LA 36 and LA 435 including two bridge structures and 8 culvert structures. The field investigation, conducted in accordance with LADOTD specifications, included field reconnaissance including access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. The project consisted of 32 deep soil borings, 10 intermediate culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment. Global Positioning System (GPS) data was collected at each soil boring location along with groundwater level readings.

Soil boring logs were created in LADOTD format. Ardaman also provided geotechnical analyses and recommendations according to LRFD guidelines that included recommended pile capacities, culvert bearing capacities, embankment settlement analyses, and a pile data table.



18 Approach and Methodology

An Understanding of the Project and Objectives to be Met

Over the years, Halff and local municipalities and communities have worked together to plan, design, and construct multiple infrastructure improvement projects. LADOTD seeks a professional engineering consultant(s) to assist with pavement preservation and transportation system management (TSM) within District 08. The Halff Team possesses a comprehensive understanding of these roadways, their daily usage patterns, and the infrastructure challenges they present.

We are committed to enhancing the quality of life for the people of Louisiana. We stand with you every step of the way.

The Halff Team can provide all the tasks expected under the Scope of Services of the RFQ.

These services include but are not limited to, topographical & boundary surveys, utility coordination, geotechnical studies, permitting, plat preparation and property acquisition, title take-offs, preliminary and final designs, bidding phase services, construction phase services, close-out management record drawings, public outreach, and any other services to properly manage and deliver projects on behalf of the municipalities and LADOTD. We recognize that any assigned projects or task orders will cover a variety of initiatives, including but not limited to pavement preservation and transportation system management (TSM) within District 08.

The Halff Team has a proven track record of meeting the stringent requirements of State/Federal funding agencies and programs. For over 50 years, Halff has delivered a diverse range of designs and studies for MILCON, civil works, renovation, and border infrastructure projects to the Department of Defense and other federal agencies. Our esteemed clients include the U.S. Army Corps of Engineers, U.S. Air Force, U.S. Navy, U.S. Army Reserve, General Services Administration, FEMA, and Department of Homeland Security. Halff team members have also undergone Local Public Agency Responsible Charge courses and workshops, ensuring a comprehensive understanding of the requirements for State/Federally funded local roadway improvement projects.

The Halff Team is qualified and experienced to cover a range of roadway improvement project types and needs, as demonstrated in the approach below and the list of example projects included in this SOQ. We will act as an extension to the municipalities within Districts 61 and 62 and LADOTD, working with both to achieve their goals and contribute to their long-term growth and success in Louisiana.

The Approach to Complete the Project

Halff has assembled a team of design professionals who have successfully collaborated on numerous projects throughout Louisiana. We understand LADOTD's desire to accomplish projects smoothly, methodically, and swiftly. The Halff Team, with its diverse disciplines and depth of experience, is equipped to handle multiple design tasks simultaneously. We are a service provider with the capacity and expertise to manage all design services related to infrastructure restoration efforts. Our project management and design approach is comprehensive and well-structured, leading to an efficient process.

The advantage of choosing Halff as your engineering firm is that you benefit from the extensive experience and expertise of our professionals across Louisiana, combined with the cultural understanding and commitment of a local firm.

Halff Project Management Approach: Halff's approach to managing and completing projects leverages our robust local planning and engineering design expertise in transportation infrastructure projects. Our commitment to transparency and efficiency is evident in our project management strategy. We will work closely with City and State engineering staff to accurately scope the services required for developing the PS&E upon contract approval. A kickoff meeting with City and State staff will establish responsibilities, project development schedule, project goals, design constraints, opportunities, and appropriate design criteria. We will then develop a design criteria summary for confirmation. On the following page is a generalized design outline detailing our approach to achieving a comprehensive design.

PRELIMINARY PHASE

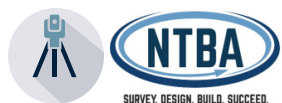


Pre-Design Study and Condition Assessment: Project Manager Marcus Taylor, PE, will initiate the project by meeting with City and State staff.

During this meeting, we will clarify specific project objectives, scope, limitations, design criteria, requirements, goals, and budget. Understanding these elements, along with potential conflicts and design configurations, is crucial for a successful design and construction project. We will collect and thoroughly review all existing data, including surveys, geotechnical reports, city foresight plans, as-builts, Right of Way documents, design standards, and existing engineering plans and maps. The more information available, the higher the quality of the designs produced. Comprehensive data collection is essential, and Marcus' leadership during the Pre-Design phase will be instrumental in assimilating these documents.



Data Collection: A design project is only valid if the existing conditions are thoroughly understood and used as the base map for the proposed improvements. **Upon project kick-off, the Halff Team will perform the following tasks to create this necessary background information:**



Field Surveying, LiDAR, and Photogrammetry: Under the leadership of Paul Rossini, RPLS, the Halff Team will provide topographic and boundary surveys of the project corridor, adhering to the latest version of the LADOTD

Location and Survey Manual. Significant features such as existing structures, roadways, driveways, sidewalks, above-ground utility appurtenances, marked utility flags or markers, tops and toes of slopes, ditch centerlines, drainage features, trees, and landscape features will be documented. The topography serves as a solid foundation for the design. Using available plats, as-builts, deeds, and other records, we will survey existing corners and resolve all boundaries to create the existing property map. Our advanced technology and geospatial solutions

Halff will prepare temporary and permanent servitudes, Right of Way acquisition documents, and legal descriptions as needed to enable cities to operate, maintain, and replace their assets. The Halff Team is well-versed in preparing and submitting plat and easement documents that comply with City Survey standards as well as State and Federal survey design practice standards. Halff will coordinate with a local property acquisition consultant to facilitate the timely execution and recordation of necessary property documents, preventing any delays in construction activities.



Geotechnical Investigation & Recommendations: If required, the geotechnical analysis will be initiated based on the project scope. Existing boring data will be reviewed if available, and additional soil borings will be obtained

as needed. Under the leadership of Robb Jewell, PE, the Halff Team will conduct a geotechnical investigation to assess pavement and subgrade conditions and provide appropriate pavement design considerations. The team will evaluate alternative pavement sections and offer recommendations that meet strength requirements while optimizing factors such as cost and construction time.



Utility Coordination: Halff will address all potential utility conflicts identified during the preliminary engineering phase through design refinement or by coordinating with private energy and communication companies for utility relocation. Halff will collaborate closely with municipalities and utility

companies to identify necessary relocations and facilitate their completion promptly before construction begins.



Preliminary Design: Halff will concentrate its preliminary design efforts on establishing the geometric design and profiles for roadways and utilities, determining structure dimensions, addressing complex hydraulics, defining project disturbance limits, and considering aesthetic options

where appropriate. Emphasis will be placed on minimizing structural costs and utility disruptions or relocations, as these factors significantly impact project budgets. Key elements of the preliminary design are as follows:

- Roadway Geometry, including typical sections, turn lane dimensions, cut and fill slope limits, ROW, and permanent and temporary easements

- Preliminary Drainage Plans, including drainage area maps, run-off coefficients, and confirmation of ultimate hydrology for assessing major drainage structure requirements
- Develop preliminary construction sequence/traffic control and determine detour needs, if any
- Coordinate with the city or agencies such as LADOTD for any requirements that involve connections to or utility improvements within the “on system” roadway right of way.
- The design format shall comply with the criteria prescribed in 23 CFR 625, Design Standards for Highways.
- The format of the design plans shall conform to the LADOTD standards.

Halff’s precise and thorough construction cost estimates during the preliminary phase are essential for optimizing the use of available funds and achieving the City and State goals for the final design.



VECTURA
CONSULTING SERVICES, LLC

Traffic Management Plan: Leading the Data Collection and Traffic Management initiatives for this IDIQ project alongside Halff will be Vectura Consulting Services, LLC. As a recognized LADOTD DBE firm, Vectura’s team is

headed by four certified Professional Traffic Operations Engineers who bring decades of specific traffic experience directly with LADOTD. When establishing the Traffic Management Plan Vectura will follow EDSM VI.1.1.8, which outlines what a TMP requires. Vectura will coordinate with LADOTD to obtain traffic volume and safety data for a traffic study to perform safety and alternative route analyses. Vectura will follow the Traffic Study Scope of Services outlined on the LADOTD Traffic Engineering website if historic data is unavailable. Staff from Vectura have worked closely with the staff of LADOTD through the development and implementation of the TEPR process. Vectura will utilize this experience to navigate the TEPR process to arrive at the optimum detour route. Along with specifying the correct TTC Details, Vectura will coordinate with the bridge/road designers on a Work Zone Impact Management Strategy document to minimize risk and delays to the traveling public.

FINAL DESIGN PHASE



Roadway Design: Detailed roadway and drainage design will address the following additional items:

- Confirm the location of all proposed ROW and easement parcels.
- Prepare grading plans for all intersections, pavements, slopes, ditches, headwalls, riprap, and drop-inlet details
- Prepare final roadway, bridge, and retaining wall plans and details following LADOTD specifications and detailing requirements.
- Erosion control plans for sediment control following the LADOTD Best Management Practice (BMP) details.

- Develop phased traffic control plans and detour plans that take into consideration the width of traffic lanes for accommodating all construction procedures and installation of channelization devices.
- Depiction of all traffic control devices to be placed per MUTCD requirements, including signs, barricades, barrels, vertical panels, message boards, and lane markings.
- Prepare individual roadway marking, signing, lighting, and traffic signal plans that clearly address existing items that are either remaining, relocated, or replaced for the permanent condition.
- Preparation of project-specific details, including aesthetic and ADA pedestrian construction elements.
- Finalize construction specifications, establish a clear subsidiary, and pay item limits/descriptions.
- Develop final cost estimate based upon contract quantities and update of estimated unit price data.
- Develop a Constructability Review Form, Design Report, QA/QC Checklist, Contract time Worksheet, and Storm Water Pollution Prevention Plan (SWPPP).



Drainage Design: Halff will conduct a comprehensive hydraulic analysis of the proposed storm sewer systems. This includes evaluating all contributing drainage areas, calculating weighted runoff coefficients, assessing pipe velocities, and determining hydraulic grade lines following LADOTD design criteria. Our team has successfully applied these methodologies in recent projects, such as the LA Hwy 1 (Texas Street) Roundabout and the Cleveland-Gibbs Road projects. We utilize advanced tools like HYDRWIN, AutoCAD's pipe networks, and the Hydraflow Storm Sewer program to accurately model the hydraulics of the pipe systems.

The Halff has extensive experience in watershed modeling for large-scale watersheds in Louisiana. Halff is a consultant to FEMA to prepare Base Level Engineering (BLE) models that depict flood depths, limits, and velocities in unmapped regions of the state. Also, Halff is the CTP and NFIP contractor for DOTD and assists their staff in determining a community's Special Flood Hazard Area mapping needs. We've accomplished this through Discovery Outreach meetings with community floodplain managers and engineers, who provide historical information that is then used to create a "Needs List" for FEMA consideration.

Implementing comments and guidance from the City and LADOTD's review of the preliminary plans, we will prepare a comprehensive submittal set. This will include detailed plans with standard details and general notes, draft bid documents, special specifications, and construction cost estimates.



Specifications: Halff has extensive experience working with various roadway construction specifications, general notes, general conditions, special conditions, and special specifications. We will use technical specifications to define the requirements for the varied disciplines necessary to complete a complex civil construction project successfully.



Public Outreach: Halff acknowledges the significance of public outreach in the success of any project or study. If needed, Halff is well-prepared to facilitate stakeholder coordination meetings with adjacent property owners, significant traffic-generating businesses, or route users to record user requirements and incorporate them appropriately into the design. To inform the residents of the project goals and schedule, Halff will collaborate with the City to conduct an initial public meeting. Additionally, any comments received during the public meeting will be carefully reviewed by Halff to make sure that the study or design reflects those comments.



Bid Phase Services: Halff's services do not end with design. As requested, we will assist LADOTD and City staff in advertising the project for bids, preparing a pre-bid conference agenda outline, issuing clarifications and/or addenda, evaluating all bids received, and preparing a bid tabulation. A summary of the bid analysis performed by Halff, along with contractor recommendations, will be provided to LADOTD and the City for use in contractor selection and award of the construction contract.

POST-DESIGN PHASE



Construction Phase Services: After the construction contract is awarded, Halff will provide the necessary construction administration services. Beyond the standard scope of construction phase services, Halff's extensive experience in the design and construction administration of multidisciplinary projects will add significant value to any unique project elements, such as:

- Conduct specific construction stage meetings to confirm procedures for critical risk items such as drilled shaft placement, deck placement, architectural grade concrete placement, and post-tensioning.
- Field surveying to recover and/or reset horizontal and vertical control points to provide or verify the contractor construction staking datum. Detailed construction staking or staking verification can be provided as needed.
- Provide guidance on the acceptability of required project mock-ups, natural stone materials, waterproofing methods, and grouting techniques.
- Prepare and/or inspect Storm Water Pollution Prevention Plans (SWP3) and monitor contractor's compliance with State Laws on temporary activity impacts.
- Carefully review the materials and shop drawings to confirm that they meet both performance-based and Owner-subjective specifications. Also, evaluate change order requests and provide justifications based on industry standards that go beyond traditional paving and drainage construction.
- Review monthly pay requests to verify the quantity of work performed each month, schedule compliance, and make recommendations for payment on items involving schedules of values and/or material on hand.
- Assist in conducting the final inspection and preparing the punch list for special finishes, custom hardscape work, and/or architectural lighting.
- Provide RPR/inspection services if required.

ADDITIONAL SERVICES THAT HALFF CAN PROVIDE

Traffic Engineering/Design: Halff's experience also includes producing, reviewing, and managing the production of traffic engineering studies and traffic signal design plans for many public and private sector clients. Our team has completed numerous Traffic Engineering Studies, including:

- Traffic Signal Warrant Studies
- Traffic Management Plans
- Vehicle Speed and Classification Studies
- Intersection Analysis Studies, including Roundabout Evaluation
- Corridor Studies

Our Traffic Engineering Group will assist LADOTD and City staff in addressing traffic concerns by conducting Traffic Engineering Studies, preparing Traffic Signal Design plans, and coordinating with City staff to develop reasonable solutions.



Geographical Importation Systems (GIS): Halff has extensive ArcGIS experience with traditional desktop editing, mobile field data collection, real-time survey integration, and secured representational state transfer (REST) map and feature services that increase project efficiency, transparency, and overall coordination. Halff also has experience working with various terrain formats and sources, including LIDAR, survey, bathymetry, the National Elevation Dataset (NED), and the Louisiana Statewide LIDAR Project.



Geospatial Solutions: The Halff Team can also provide photogrammetry and LiDAR services, as required, utilizing our state-of-the-art equipment. The equipment can be mounted on a drone, ATV, or even a Mobile LiDAR Truck to obtain a data cloud of information from which topography and visual aids may be produced.



Mobile LiDAR: Halff uses the Trimble MX9 Mobile LiDAR device and system for mobile data collection. It mounts to the top of a vehicle and can be driven around to various locations. It will capture laser scans and images in a panoramic view as the driver moves through the study areas. To confirm

that the Mobile LiDAR shots are within tolerance, the survey team collects conventional survey GPS shots for ground-truthing as control points. The benefits of this fast-paced (posted speeds) collection method include helping projects avoid road closures for data collection and hazards for personnel collecting the data on the side of the road.

After data collection, raw point clouds, images, and Trimble's GNSS and internal measurement unit values undergo 'Registration.' During the registration process, point cloud locations and alignments are improved, and RGB values are extracted from images before being exported to programs such as AutoCAD and ArcGIS. This makes the database more versatile and accessible to office and stakeholder personnel. The accelerated pace of collection and extraction creates cost efficiency while maintaining safety standards and desired accuracy. Furthermore, the collection database can be repurposed for future projects by extracting project-specific details from the point cloud inventory without requiring additional survey efforts and expenses.

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) PROGRAM

Purpose: Halff's QA/QC program aims to achieve high confidence that project execution will result in deliverables meeting the client's expectations and the professional standards Halff's engineers strive to maintain.

Approach: Halff will perform an internal QA/QC review before each milestone submittal and submit construction documents (plans, specifications, and estimates) at the 30%, 60%, 90%, and 100% design stages. Halff will document all internal and City-provided QA/QC comments and their resolution. The LADOTD Standard Specifications for Roads and Bridges (2016) shall be used to quantify each payment item.

SCHEDULE

Halff is not new to aggressive schedules and provides the innovative solutions necessary to achieve them. Our depth allows us to assign staff based on expertise and availability. Halff maintains a high level of quality by keeping key staff members continually assigned to a specific project until its completion. All design and production work are completed on a connected server system to provide real-time coordination and quality control steps are not lost.



COMMITMENT TO PERFORM THE WORK

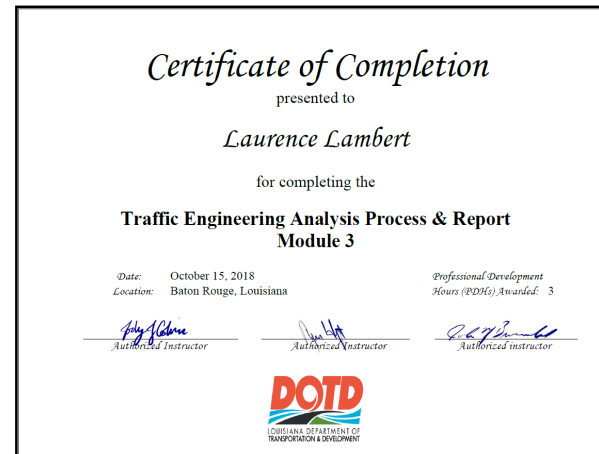
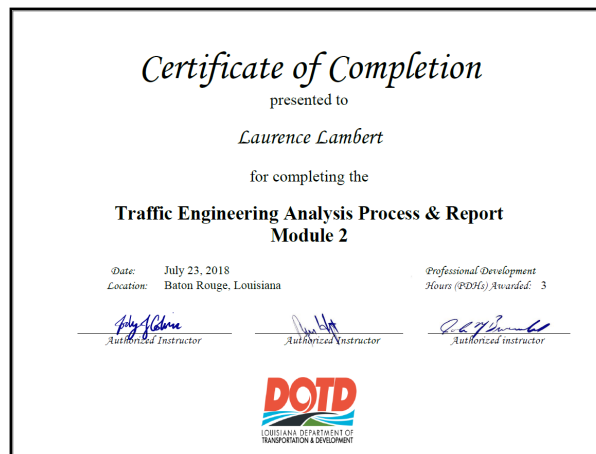
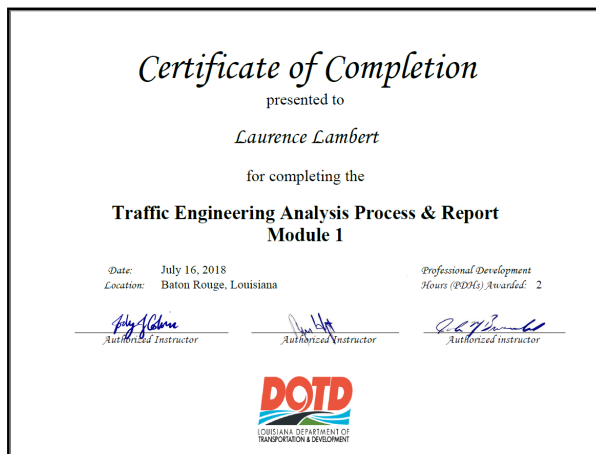
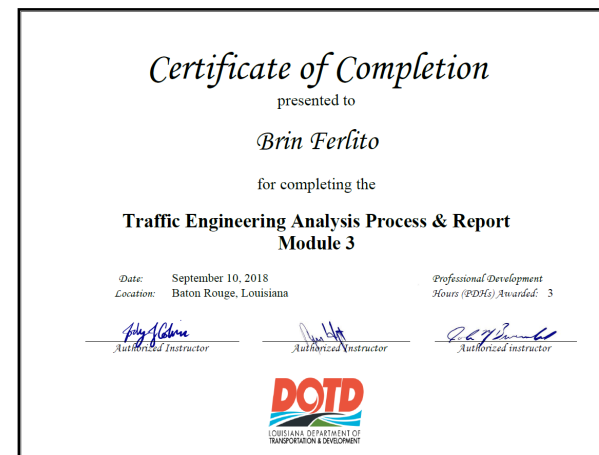
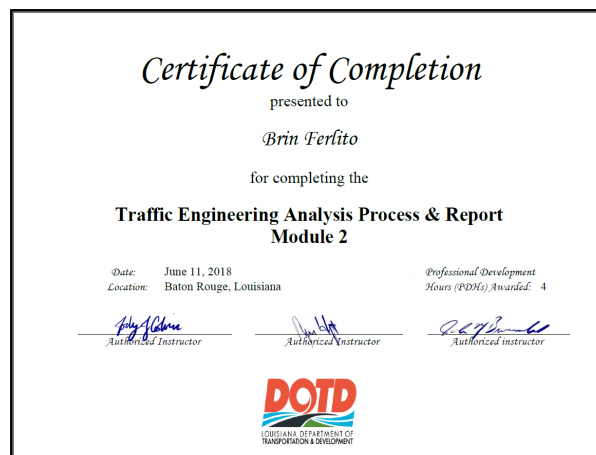
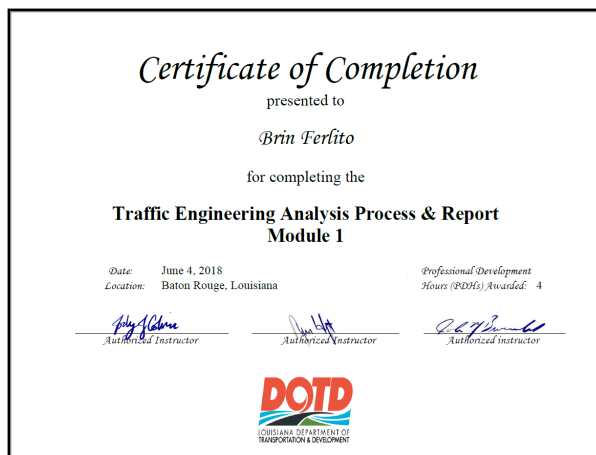
The Halff Team comprises local professional engineers, engineer interns, and GIS analysts who understand the workflow of roadway design utilizing roadway corridors in AutoCAD Civil3D and GIS asset management. They have proven their expertise and competency in similar design projects for the city and are committed to producing quality construction documents while meeting the schedule demands.

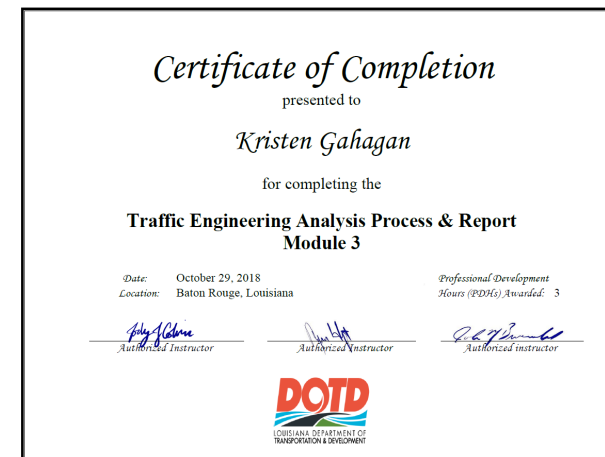
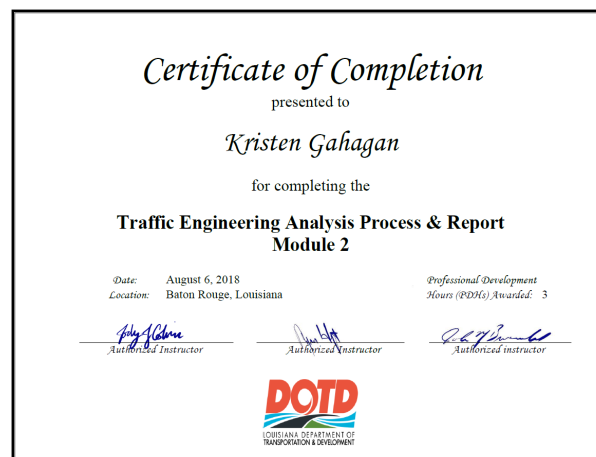
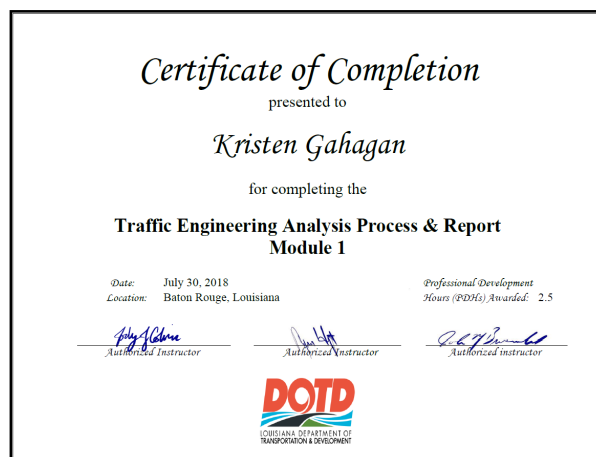
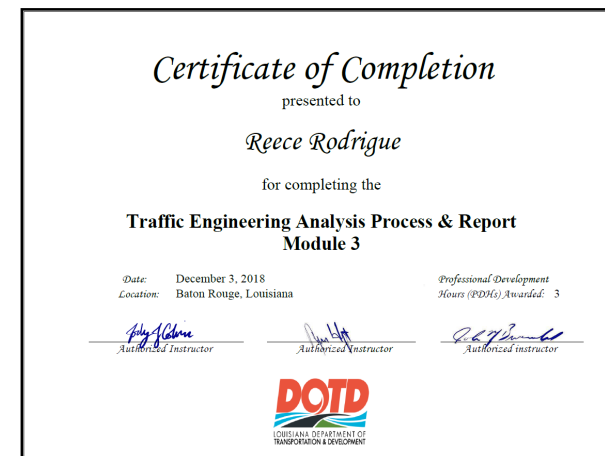
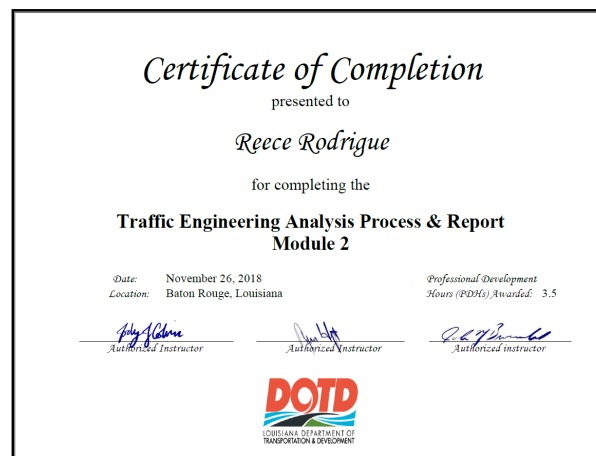
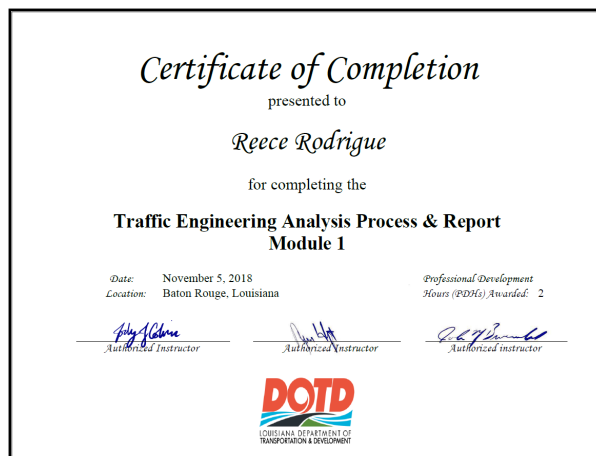
19 Workload

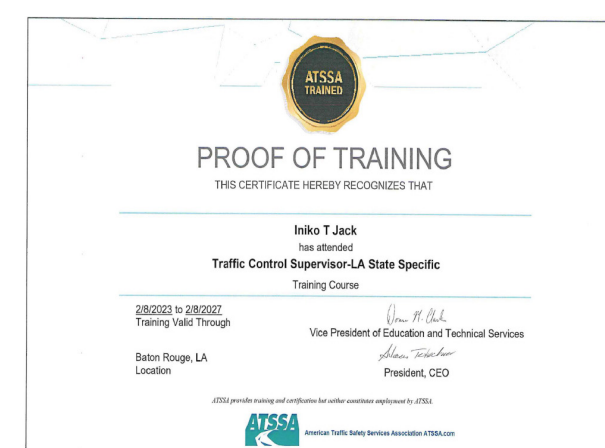
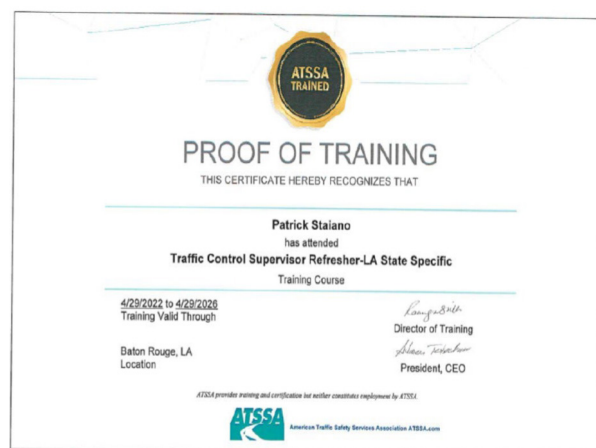
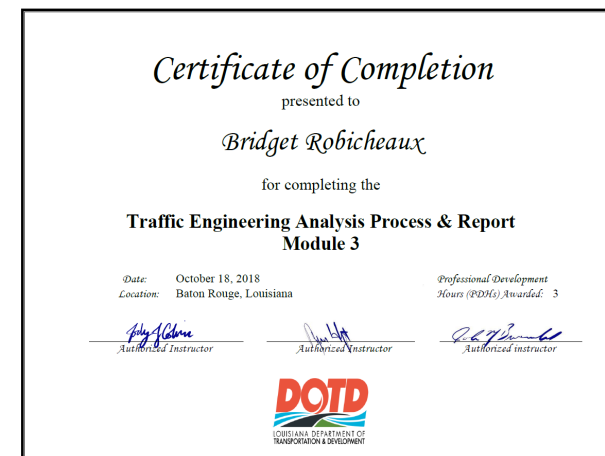
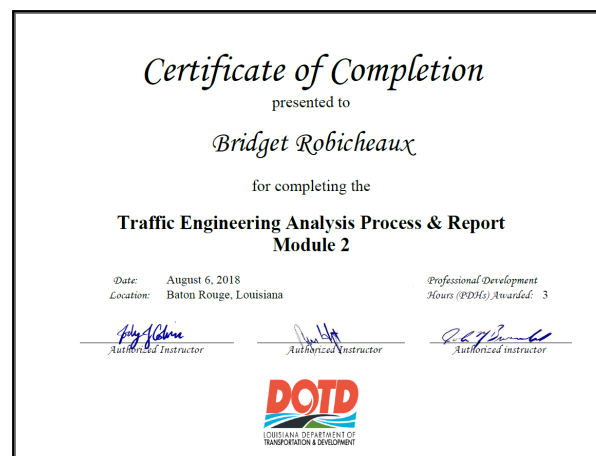
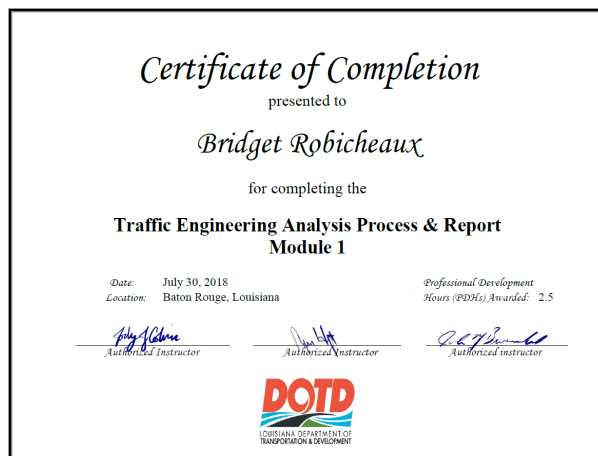
Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Halff Associates, Inc.	Other (Water Modeling)	Contract No. 4400020960 Task No. 9	Community Outreach and Mitigation Strategies	\$61,907
	Other (Water Modeling)	Contract No. 4400020960 Task Order No. 20	FY23 Phase 2 Risk Identification and Assessment Rapides Parish Part 2	\$122,763
	Other (Water Modeling)	Contract No. 4400017090 Task Order No. 4	Louisiana Watershed Initiative (LWI) Region 4 Modeling Contract	\$129,147
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	\$74,429
	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	\$71,398
	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	\$66,032
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$11,202
	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	\$572
	Traffic	4400023075 H.013522	S. Lewis Street Widening	\$7,499
	ITS	4400016364 H.015136.1	Lake Charles Regional ITS Architecture Update	\$12,643
	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	\$6,820
	ITS	4400017922 H.014515.5	SEA ATMS and 511 System	\$11,652
	ITS	44000020058 H.011507.1	Monroe Phase 3 SEA	\$29,217
	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	\$20,146
	ITS	4400016364 H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	\$11,260
	ITS	4400016364 H.014511.1	Houma Regional ITS Architecture Update	\$10,746
	Traffic	4400025299 H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	\$360,988
	Traffic	4400025299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	\$57,042

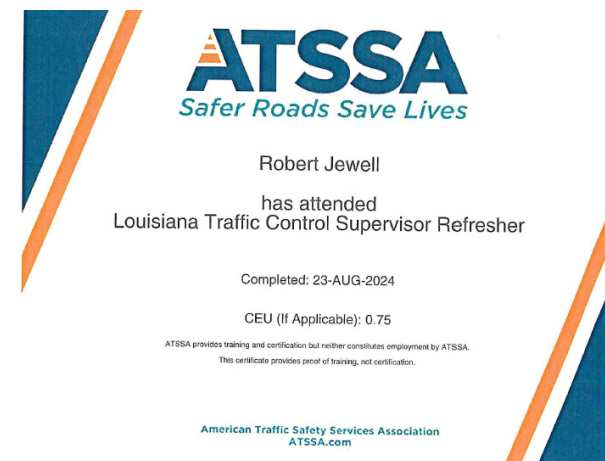
Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
NTB Associates, Inc.	Survey, Right of Way	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	\$75,784
	Right of Way	4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	\$90,105
	Survey	4400017067 LWI Task Order 3	Louisiana Watershed Initiative (LWI) Modeling Contract – Region 1 (Sub to Atkins)	\$3,481
	Right of Way	4400025041 Multiple SP Nos. per bridge	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program (Sub to Waggoner)	\$11,806
	Survey	4400027686 H.008768.5	IDIQ Contract for Hydrographic Surveying Services Task Order No. 1 – Fall Bridges	\$92,403
	Survey	4400017713 H.004100.5	IDIQ Contract for Professional Surveying Services Task Order 12 – I-10: LA 415 to Essen on I-10 & I-12	\$218,421
Ardaman & Associates, Inc.	Geotech	44-4128 H.004273	I-49 Connector, Lafayette	\$493,373
	Geotech	44-18899 H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$138,062
	Geotech	44-1960 H.013897	I-10 / I-12 College Drive Flyover Ramp	\$181,487
	Geotech	44-19013 H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	\$302,413
	Geotech	H.04435	I-12 to Bush Construction Phase	\$47,956
	Geotech	44-8671 H.009266	I-10 Widening: LA 73 to LA 30	\$31,759
	Geotech	44-19013 H.002244.5	Boudreaux Canal Bridge (LA 56)	\$50,350
	Geotech	44-17438 H.013284	MRB GBR LA 1 to LA 30 Connector	\$188,186
	Geotech	44-6189 H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$3,196
	Geotech	44-25025 H.015337, H.015452-63, H.015489-92	Rural Bridge Replacement	\$358,032
	Geotech	44-24652 H.012842.5	LA 124 Ext. near Larto Lake	\$20,868
	Geotech	44-24652 H.014265.5	N River Road Irving Branch	\$14,105
	Geotech	44-24652 H.012533.5	LA 1252 Bayou Pt Brule Bridge	\$23,306

20 Certifications/Licenses










Louisiana Secretary of the State Status

State of Louisiana Secretary of State		COMMERCIAL DIVISION 225.925.4704	
		Fax Numbers 225.932.5317 (Admin. Services) 225.932.5314 (Corporations) 225.932.5318 (UCC)	
Name	Type	City	Status
HALFF ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	RICHARDSON	Active
Previous Names			
Business: HALFF ASSOCIATES, INC.			
Charter Number: 35788652F			
Registration Date: 10/1/2004			
Domicile Address			
1201 N. BOWSER RD. RICHARDSON, TX 75081			
Mailing Address			
1201 N BOWSER RD RICHARDSON, TX 75081			
Principal Business Office			
401 MARKET ST STE 650 SHREVEPORT, LA 71101			
Registered Office in Louisiana			
201 RUE BEAUREGARD, STE. 202 LAFAYETTE, LA 70508			
Principal Business Establishment in Louisiana			
201 RUE BEAUREGARD, STE 202 LAFAYETTE, LA 70508			
Status			
Status: Active			
Annual Report Status: In Good Standing			
Qualified: 10/1/2004			
Last Report Filed: 9/1/2024			
Type: Business Corporation (Non-Louisiana)			

State of Louisiana Secretary of State		COMMERCIAL DIVISION 225.925.4704	
		Fax Numbers 225.932.5317 (Admin. Services) 225.932.5314 (Corporations) 225.932.5318 (UCC)	
Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active
Previous Names			
Business: VECTURA CONSULTING SERVICES, LLC			
Charter Number: 41994609K			
Registration Date: 8/24/2015			
Domicile Address			
4467 BLUEBONNET BLVD. SUITE A BATON ROUGE, LA 708099639			
Mailing Address			
PO BOX 14269 BATON ROUGE, LA 70898			
Status			
Status: Active			
Annual Report Status: In Good Standing			
File Date: 8/24/2015			
Last Report Filed: 7/26/2024			
Type: Limited Liability Company			

State of Louisiana Secretary of State		COMMERCIAL DIVISION 225.925.4704	
		Fax Numbers 225.932.5317 (Admin. Services) 225.932.5314 (Corporations) 225.932.5318 (UCC)	
Name	Type	City	Status
NTB ASSOCIATES, INC.	Business Corporation	SHREVEPORT	Active
Previous Names			
NTB, INC. (Changed: 1/4/2000)			
Business: NTB ASSOCIATES, INC.			
Charter Number: 34216133D			
Registration Date: 8/14/1986			
Domicile Address			
525 LOUISIANA AVE. SHREVEPORT, LA 71101			
Mailing Address			
525 LOUISIANA AVE. SHREVEPORT, LA 71101			
Principal Office Address			
525 LOUISIANA AVE. SHREVEPORT, LA 71101			
Status			
Status: Active			
Annual Report Status: In Good Standing			
File Date: 8/14/1986			
Last Report Filed: 7/25/2024			
Type: Business Corporation			

State of Louisiana
Secretary of State



COMMERCIAL DIVISION
225.925.4704

Fax Numbers

225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
ARDAMAN & ASSOCIATES, INC.	Business Corporation (Non-Louisiana)	ORLANDO	Active

Previous Names

Business:

ARDAMAN & ASSOCIATES, INC.

Charter Number:

34396031F

Registration Date:

12/13/1991

Domicile Address

8008 SOUTH ORANGE AVENUE
ORLANDO, FL 32809

Mailing Address

3475 E. FOOTHILL BLVD.
PASADENA, CA 91107

Principal Business Office

8008 SOUTH ORANGE AVENUE
ORLANDO, FL 32809

Registered Office in Louisiana

3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana

316 HIGHLANDIA DR.
BATON ROUGE, LA 70816

Status

Status:

Active

Annual Report Status:

In Good Standing

Qualified:

12/13/1991

Last Report Filed:

11/29/2023

Type:

Business Corporation (Non-Louisiana)

21 QA/QC Plan

Not requested in this submittal

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	4467 Bluebonnet Blvd. Suite A Baton Rouge, LA 70809	Sheelagy Brin Ferlito, PE bferlito@vecturacs.com	225.223.6685
NTB Associates, Inc.	<u>Corporate Office</u> 525 Louisiana Ave. Shreveport, LA 71101	Bryan T. Bunch, PLS bbunch@ntbainc.com	225.751.4002
	<u>Branch Office</u> 8643 Main St. Zachary, LA 70791		
Ardaman & Associates, Inc.	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell, PE Robert Jewell, RJewell@ardaman.com	225.666.4598

23 Location