

May 9, 2024

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

RE: CONTRACT NO. 4400028440
STATE PROJECT NO. H.015477.5
FEDERAL AID PROJECT NO. H015477
Entity Contract for Shreveport PVMT PRGRM (ASP REHAB)
CADD0 AND BOSSIER PARISHES

Halff Associates, Inc. (Halff) is pleased to offer the Louisiana Department of Transportation and Development (LADOTD) a strong, experienced team eager to work with you. Our team has LADOTD experience in similar roadway projects, studies and designs, including all elements of the scope to support this project. Since 1950, Halff has improved lives and communities, providing multi-disciplinary engineering design services to our clients through a culture of collaboration between our employees, consultant team members, and the project owner. This philosophy of collaboration allows Halff to deliver smarter solutions to LADOTD that resolve project needs in a timely, robust, and cost-effective manner. Halff strives to deliver projects that are more innovative, more sustainable, and pleasing to the eye 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:

NTB Associates (NTB), will perform 100% of the surveying that is required for this Pavement Program. 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 Pavement Program 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 Pavement Program.

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 for this Shreveport Pavement Program for District 4 in Bossier City, Louisiana.

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 January 1, 2023)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	Entity Contract for Shreveport Pvmr Prgm (ASP Rehab) Caddo and Bossier Parishes
2. Contract Number(s) as shown in the advertisement	4400028440
3. State Project Number(s), if shown in the advertisement	H.015477.5
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	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	401 Market Street, Suite 650 • Shreveport, LA 71101
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	Marcus Taylor, PE • Public Works Team Leader Project Manager 318.716.6132 • mtaylor@halff.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Brant B. Richard, PE • Operation Manager 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.	 <hr/> Signature above shall be the same person listed in Section 9 <hr/> May 9, 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): N/A Firm(s): N/A

12 Past Performance Evaluation Discipline Table

Past Performance Evaluation Disciplines	% of Overall Contract	Halff Associates, Inc.	NTB Associates, Inc.	Ardamen & Associates, Inc.	Firm D	Firm E	Each Discipline Must Total to 100%
Road	65%	100%					100%
Geotech	10%			100%			100%
Survey	25%		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%	65%	25%	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	2	197
	Architect		3
	CADD Technician	2	89
	Computer Analyst		41
	Designer		37
	Engineer	15	499
	Engineer Intern	4	111
	Environmental Professional		39
	Geologist	1	7
	GIS Analyst		50
	Graphics		8
	Inspector		47
	Inspector – Lead		5
	Landscape Architect	2	50
	Planner		32
	Surveyor		153
	Technician		87
	Total	26	1,455

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (If Needed)
NTB Associates, Inc.	Principal	1	1
	Engineer	0	1
	Surveyor	3	6
	Supervisor Other	1	3
	Senior Technician	0	1
	CADD Technician	1	6
	Technician	1	1
	CADD Drafter	2	6
	Party-Chief	4	18
	Instrument-Man	4	9
	Rodman	4	7
	Total		21

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
	Engineer - Other	3	3
	Supervisor – Other	2	2
	Technician	10	14
	Instrument-Man	4	9
	Total		35

14 Organizational Chart



The Halff Team

1 Halff	3 Ardaman
2 NTBA	



Brant B. Richard, PE
Principal in Charge



Marcus Taylor, PE
Project Manager



Brandon Aillet, PE, CFM
Deputy Project Manager

Services

Roadway Design Task Lead

Morgan Harris, PE ¹

Roadway Design Support

Lesley "Van" Short, PE, PTOE, RSP1 ¹
James Barr, PE ¹
Eric Christiansen, PE, LEED AP ¹
Jim Miller, PE ¹

Survey Services

Paul Rossini, PLS ²
Patrick Staiano, PLS ²
Bryan Bunch, PLS ²
Mike King, PLS ²

Survey Field Staff

Iniko Jack ²
TJ Sitton ²
Will Wales ²
Chip LeCoq ²
Captayn Chapman ²
William Offer ²

Geotechnical Engineering / Testing

Robert Jewell, PE ³
Megan Bourgeois, PE ³
Robert Rousset, PE ³
Ross McGillivray, PE ³
Jarmon King, EI ³

Geotechnical Field Staff

Chandler Willis ³
Donald Anthony ³

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 PE #17661 - Civil	Louisiana Mississippi	09/30/25 12/31/24
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	09/30/24
3	Morgan Harris, PE	Halff Associates, Inc.	PE #45310 - Civil PE #21698 - Civil	Louisiana Arkansas	09/30/25 12/31/24
4	Bryan T. Bunch, PLS	NTB Associates, Inc.	PLS #5014 - Survey	Louisiana	03/31/26
4	Michael J. King, PLS	NTB Associates, Inc.	PLS #5127 - Survey	Louisiana	09/30/25
5	Patrick C. Stainano, PLS	NTB Associates, Inc.	PLS #5130 - Survey	Louisiana	09/30/25

16 Staff Experience

Firm Employed By	Halff		
Name	Brant Richard, PE	Years of Relevant Experience with this Employer	1
Title	Operations Manger Baton Rouge	Years of Relevant Experience with Other Employer(s)	35
Degree(s) / Years / Specialization	Bachelor of Science / 1988 / Civil Engineering		
Active Registration Number / State / Expiration Date	#28567 / LA / 09/30/2025; #17661 / MS / 12/31/24		
Year Registered	LA 99; MS 06	Discipline	Professional Engineer, Civil



Contract Role(s) / Brief Description of Responsibilities **MPR 1 and Principal in Charge**

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 the Shreveport Pavement 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 the Shreveport Pavement project a success.

3/13 - 8/13	LADOTD / LA 520, Jct. US 79 Widening • Claiborne Parish, LAH.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 - 04/23	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	Half		
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	Bachelor of Science / 2004 / Civil Engineering		
Active Registration Number / State / Expiration Date	#40539 / LA / 9/30/2024; #16932 / AR / 12/31/2024		
Year Registered	LA 2016 ; AR 2015	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 3 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	Half		
Name	Brandon Aillet, PE, CFM	Years of Relevant Experience with this Employer	12
Title	Operations Manager Shreveport	Years of Relevant Experience with Other Employer(s)	13
Degree(s) / Years / Specialization	Bachelor of Science / 1998 / Civil Engineering		
Active Registration Number / State / Expiration Date	#33402 / LA / 03/31/26; #90842 / TX / 12/31/24		
Year Registered	LA 07; TX 03	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 2 and Deputy Project Manager		



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 the Shreveport/Bossier region. He has also represented his clients at numerous public hearing meetings, showcasing his ability to navigate complex situations with ease.

2012 - 2014	Kings Highway Corridor Roadway Improvements • Shreveport, LA. <i>Design Engineer.</i> Responsible for designing and planning production for Linwood Avenue and Samford Avenue pavement replacement. This project included pavement replacement of approximately 3,000 linear feet of 5-lane undivided and 4-lane divided roadway in the developed medical district of Shreveport, LA..
2007 - 2009	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.
2013 - 2014	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.
2015 - 2016	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.
2016 - 2024	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.

Firm Employed By	Half		
Name	Morgan Harris, PE	Years of Relevant Experience with this Employer	1
Title	Project Manager	Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	Bachelor of Science / 2016 / Civil Engineering		
Active Registration Number / State / Expiration Date	#45310 / LA / 09/30/2025; #21698 / AR / 12/31/2024		
Year Registered	LA 21; AR 23	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 3 and Roadway Design		
<p>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.</p>			
04/22 - 9/22	<p>LA 135 Rehab from LA 15 to Antioch Road • LADOTD District 05. <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.</p>		
03/22 - 07/22	<p>Herman Dickerson Road Bridge over Antioch Creek tributary • LADOTD District 05. <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.</p>		
01/17 - 03/23	<p>LA 616 2-to-5 Lane Expansion from LA 143 to Caldwell Road • LADOTD District 05. <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.</p>		
02/21 - 03/23	<p>LA 3033 Cheniere Lake Spillway and Bridge Replacement • LADOTD District 05. <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.</p>		
12/22 - 03/23	<p>LA 15 Chip Seal from US 425 to US 165 • LADOTD District 05. <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.</p>		
01/22 - 03/22	<p>US 165 Lighting from Charleston Street to LA 15 • LADOTD District 05. <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.</p>		
11/20 - 11/21	<p>US 80 Bridge Replacement over I-20 • LADOTD District 05. <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.</p>		
07/21 - 11/21	<p>LA 132 Rehab from LA 135 to LA 561 • LADOTD District 05. <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.</p>		



Firm Employed By	Half		
Name	Lesley Vance "Van" Short, PE, RSP1	Years of Relevant Experience with this Employer	6
Title	Assistant Transportation Task Lead	Years of Relevant Experience with Other Employer(s)	39
Degree(s) / Years / Specialization	Bachelor of Science / 1985 / Civil Engineering		
Active Registration Number / State / Expiration Date	#26026 / LA / 03/31/26; #8481 / AR / 12/31/2025; #69192 / TX / 12-31-24		
Year Registered	LA 94; AR 94; TX 91	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities			
Bio: Van is a highly skilled project manager with experience in a wide variety of highway design and transportation studies including feasibility studies, design and reconstruction, PS&E, design-build, and utility coordination.			
03/21 - current	Arkansas Department of Transportation (ARDOT) On-Call Design Springdale Bypass • Springdale, AR. <i>Project Manager.</i> Responsible for developing an Interstate Justification Report (IJR) for revised access to I-49 at the existing intersection of I-49 and the proposed Springdale Northern Bypass. The IJR is being prepared in accordance with the Procedures for New or Revised Freeway Access in Arkansas, to address the eight policy requirements of the Federal Highway Administration (FHWA) for new or revised access to the existing Interstate System.		
11/21 - current	ARDOT On-Call Pavement Preservation - Hope Bypass Improvements • Roland, AR. <i>Project Manager.</i> Responsible for design services for statewide pavement preservation projects. Roadway improvement plans include six miles of roadway along Highway 278 sections 5 and 6 and Highway 29 section 3. The project includes typical sections and summary of quantities for mill and overlay sections, guardrail, erosion control measures, signage, and pavement markings.		
12/18 - current	TxDOT Bryan District FM 60 University Drive • College Station, TX. <i>Project Manager.</i> Responsible for conducting a study on a 1.1-mile section of the FM 60 University Drive corridor adjacent to Texas A&M focusing on urban design and pedestrian/bicycle mobility. He led the team to perform detailed traffic forecasting on the alternatives and conduct detailed engineering/environmental/economic analyses on a series of alternatives to identify the most feasible solution and is currently focusing on bike/ped crossings across University Drive.		
08/20 - 04/23	TxDOT Highway 20 and FM 1281 • El Paso, TX. <i>Project Manager.</i> Responsible for a 13.7 mile project through rural and urban areas with a construction cost of \$5.2 million funded through the Highway Safety Improvement Plan (HSIP). Half analyzed accident data and developed safety improvements to address accident locations along the corridor. Half designed center medians, concrete traffic barrier, roadway illumination, solar-powered pedestrian and bicycle crossing beacons and sidewalks. Half also performed mobile LIDAR and Subsurface Utility Engineering.		
02/19 - 08/21	Williamson County Ronald Reagan Blvd. Extension Feasibility Study • Williamson County, TX. <i>Deputy Project Manager.</i> Responsible for assisting in the development of a feasible route for a new location-controlled access facility between I-35 in Jarrell and SH 95 north of Granger, a distance of approximately 12 miles. The project included environmental constraints analysis, route feasibility and alternatives analysis, traffic evaluation, right-of-way preservation and preliminary schematic development for interim and ultimate conditions		
02/20 - 06/21	Williamson County, MoKan Corridor Planning and Design • Round Rock, TX. <i>Deputy Project Manager.</i> Responsible for the design of a new location along the old MoKan right of way from approximately SE Inner Loop in Georgetown to SH 45. Half looked at the alignment and design of a four-lane controlled access roadway with bridges on the corridor from SE Inner Loop to University Blvd including analysis of a depressed and elevated MoKan roadway over existing SE Inner Loop and Westinghouse Road. Half was also responsible for drainage analysis and design in the corridor from SE inner Loop to US 79.		
01/14 - 11/14	TxDOT El Paso IH 10 Collector-Distributor PS&E • El Paso, TX. <i>Project Manager.</i> Responsible for this 6-mile section of IH 10 to upgrade and widen portions of IH 10 and add collector-distributor lanes with an approximate construction cost of \$163 million. Van and his team identified refinements in the schematic that saved enough construction cost for TxDOT El Paso District to remain within the budget. The project included seven bridge widenings, two direct connectors and 16 new bridges. The construction plans were completed in ten months.		



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	Bachelor of Science / 1994 / Civil Engineering		
Active Registration Number / State / Expiration Date	#30858 / LA / 03/31/2026; #9808 / AR / 12/31/2024; #16037 / MS / 12/31/2025; TX / 95301 / 12/31/2024		
Year Registered	LA 03 / AR 99 / MS 03 / TX 05	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Roadway Design Support		



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	Half		
Name	Eric Christiansen, PE, LEED AP	Years of Relevant Experience with this Employer	30
Title	Structural Team Leader	Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization	Master of Science / 1993 / Civil Engineering; Bachelor of Science / 1992 / Civil Engineering		
Active Registration Number / State / Expiration Date	#40671 / LA / 09/30/2024; #85412 / TX / 06/30/2024; #19188 / AR / 12/31/2024		
Year Registered	LA 16 / TX 99 / AR 19	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Roadway Design Support		
Bio: Eric has performed conceptual, preliminary, and final designs for structural elements, evaluated alternatives, prepared construction plans and specifications, and assisted during the construction phase of many projects. He supervises the structural analysis and design of bridges, buildings, hydraulic, and special-purpose structures within his team.			
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	City of Frisco, 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 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. Half 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	James (Jim) Miller, PE	Years of Relevant Experience with this Employer	15
Title	Structural Team Leader	Years of Relevant Experience with Other Employer(s)	N/A
Degree(s) / Years / Specialization	Master of Science / 2009 / Civil Engineering (Structural); Bachelor of Science / 2008 / Civil Engineering (Structural)		
Active Registration Number / State / Expiration Date	#43786 / LA / 03/31/2026; #113116 / TX / 09/30/2024; #17897 / AR / 12/31/2025		
Year Registered	LA 19 / TX 12 / AR 17	Discipline	
Contract Role(s) / Brief Description of Responsibilities	Roadway Design Support		



Bio: Jim is an accomplished engineer with a diverse portfolio encompassing the design of buildings, retaining walls, foundations, bridges, and miscellaneous structures. With a wealth of experience in reinforced concrete design, prestressed concrete design, and structural steel design, Jim brings a comprehensive skill set to each project he undertakes. His exceptional communication skills enable him to articulate complex issues and present innovative solutions, making him an asset in navigating decision-making processes involving multiple stakeholders.

04/21 - current	Arkansas Department of Transportation (ARDOT) On-Call Design Springdale Bypass • Springdale, AR. <i>Structural Engineer.</i> Responsible for developing preliminary alignments for various work orders. The first work order includes 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 Interstate 49 to Highway 412. The second work order includes the design of a new alignment for Highway 612 Section 2. The design includes 3 miles of mainline design and 18 bridges.
05/20 - 03/22	ARDOT Holman Creek Bridge Replacement • Madison County, AR. <i>Structural Engineer.</i> Responsible for bridge and approach improvements replacing Structure Number 03420 on Highway 74 along Section 3 at Log Mile 12.20. The scope of services included roadway design and plans, bridge design and plans, and hydraulic modeling of Holman 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 116-ft continuous W-beam girder unit (35'-46'-35' spans) to replace the existing 114-ft concrete channel beam structure.
01/19 - 01/21	City of Conroe, Polok Road and Farrell Road • Conroe, TX. <i>Structural Engineer.</i> Responsible for a proposed 4-span bridge structure. Project consists of 11,200 linear foot extension of Conroe Park West Drive and 2,100 linear foot widening of Farrell Road, including a 450 linear foot pre-cast concrete beamed bridge over Crystal Creek. The 52 feet wide roadway will utilize a system of roadside ditches and cross culverts for drainage. The roadway improvements included widening the existing two-lane roadway into a four-lane roadway and an 800-foot-long bridge across a creek.
12/13 - 04/17	North Texas Tollway Authority, Dallas North Tollway 4th Lane Expansion • Dallas, TX. <i>Structural Engineer.</i> Responsible for design and construction documents for the widening of four existing bridges along a 2.5-mile distance of Dallas North Tollway (DNT). Design uses TxDOT Prestressed Girders and Aesthetic Inverted T Bents. Widening also include flaring deck edges, site visibility constraints, and vertical clearance limitations. Rapid growth in the North Dallas area over several years created significant congestion on DNT. Halff provided engineering services for a capacity improvement for 3.4 miles of the DNT in Plano, Texas. Services includes preparing PS&E for modifications of the main lanes and ramps along the DNT, widening of the existing DNT main lanes, design of electronic tolling gantries, addition of an electronically tolled entrance and exit ramp, relocation of existing fiber optic cable trunk lines and laterals, ITS elements, and maintenance of ITS and tolling elements.
01/11 - 01/17	TxDOT Dallas District IH 35E HOV Lanes and IH 35W Frontage Roads • Dallas, TX. <i>Structural Engineer.</i> Responsible for the design of four bridges and three additional bridge layouts. The project is replacing several bridges with wider and longer structures. This 1.5-mile IH 35E project involved widening the existing facility including 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.
03/15 - 04/17	TxDOT Dallas District FM 2499 Section 5 • Denton County, TX. <i>Structural Engineer.</i> Responsible for the design and construction documents for a four-span precast TxGirder bridge over Bryant Branch. Design elements included hydraulic loads, horizontal curve, and special coordination with the geotech engineer about the existing soil conditions as the bridge crossed wetlands. The bridge was necessary due to the large amount of soil replacement required to place the roadway in this area. The bridge was 48,400 square feet and used TxDOT aesthetics. Special coordination was required with the standards for an application of a T551 noise wall barrier combination required on a portion of the bridge.

Firm Employed By	NTB Associates, Inc.		
Name	Bryan T. Bunch, PLS	Years of Relevant Experience with this Employer	15
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 / Louisiana / 03/31/2026		
Year Registered	LA 09	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	MPR 4 and Assistant Project Manager		
Bio: Mr. Bryan Bunch, PLS will serve as Assistant Project Manager during this contract. Bryan will assist in the management of survey crews, processing, drafting, and submittals for topographic surveys, property surveys, right of way mapping, and title take-offs.			
01/23 – 05/24	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 Jimmie Davis Bridge across the Red River.		
09/20 – 05/24	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 BKI.		
09/20 – 05/24	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 Sigma.		
07/23 – 05/24	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 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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 the 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 the 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.		
05/15 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) • Bossier Parish, LA (City Proj. No. 8-15). <i>Quality Control Surveyor.</i> Responsible for supervising south LA field crews and technicians for Static GPS Control surveys, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating.		

Firm Employed By	NTB Associates, Inc.		
Name	Mike King, PLS	Years of Relevant Experience with this Employer	17.5
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 / Louisiana / 09/30/2025		
Year Registered	LA 15	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	MPR 4 and Project Surveyor		
Bio: Mr. Mike King, PLS will serve as NTBA Project Surveyor for topographic surveying services during this contract. He will work towards managing the staff effectively and maintaining the quality standards and specifications.			
01/23 – 05/24	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 – 05/24	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 – 05/24	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 Sigma.		
08/22 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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>Assistant Project Manager.</i> Responsible for 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.		
01/20 – 03/21	UPRR Big Sandy Siding Survey • Upshur and Wood Counties, TX (29543/90502). <i>Quality Control Surveyor.</i> Responsible for reviewing 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. 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.		
05/15 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) • Bossier Parish, LA (City Proj. 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	Patrick Staiano, PLS	Years of Relevant Experience with this Employer	3.5
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	5130 / Louisiana / 09/30/2025		
Year Registered	LA 15	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	MPR 5 and Survey Project Manager		
Bio: Mr. Patrick Staiano, PLS will serve as NTBA Project Manager for property surveying services, right of way mapping, and title take-offs during this contract. He will manage field crews, data processing, drafting, review and certification of maps and surveys, and submittals.			
01/23 – 05/24	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 sub-consultant to James Construction.		
07/23 – 05/24	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 – 05/24	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 BKI.		
09/22 – 05/24	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 Sigma.		
09/22 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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 – 05/24 03/18 – 02/21	Apache Corporation, Infrastructure Improvements • Permian Basin, Reeves Counties, TX (Agency Proj. 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 – 05/24 03/18 – 02/21	Targa Pipeline, Natural Gas Gathering System • Howard and Martin Counties, TX (Agency Proj. 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 managed 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 performed 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.		

Firm Employed By	NTB Associates, Inc.		
Name	Paul Rossini, PLS	Years of Relevant Experience with this Employer	37
Title	CEO / Principal	Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	High School Diploma, 1980		
Active Registration Number / State / Expiration Date	4731 / Louisiana / 09/30/2024		
Year Registered	LA 94	Discipline	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Professional Surveyor		
Bio: Mr. Paul Rossini, PLS will serve as NTBA Contract Administrator/ Principal-in-Charge during this contract. He will sign all contracts and assist in staffing, logistics, and QA/QC for all LADOTD services.			
01/23 – 05/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build • Bossier & Caddo Parishes, LA (H.001779). <i>Principal-in-Charge.</i> Responsible for contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, 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.		
08/22 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. Nos.). <i>Principal-in-Charge.</i> Responsible for contract administration, fee negotiations, scope of work, 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.		
05/15 – 05/24	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) • Bossier Parish, LA (City Proj. No. 8-15). <i>Principal-in-Charge.</i> Responsible for contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys, property surveys, hydrographic surveying services, QL A, B, C, and D subsurface utility designation/locating. Currently, in the construction management support phase and addressing RFI's as needed.		
09/20 – 05/24	LADOTD Rural Bridge Replacement Initiative Phase II • Districts 05, 08, & 58 (4400019337). <i>Principal-in-Charge.</i> Responsible for contract administration, staffing, coordination, and QA/QC for Static 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 34 bridge and culvert replacements as a sub-consultant to BKI.		
09/20 – 05/24	LADOTD Rural Bridge Replacement Initiative Phase II • Districts 02, 03, 07, 61, & 62 (4400019338). <i>Principal-in-Charge.</i> Responsible for contract administration, staffing, logistics, and QA/QC for Static 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 as a sub-consultant to Sigma.		
07/23 – 05/24	LADOTD IJJA Off-System Bridge Program • District 62 (4400025041). <i>Principal-in-Charge.</i> Responsible for contract administration, staffing, logistics, 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.		
09/14 – 05/24	USDA/NRCS Property Surveying Services • LA (AG-7217-C-14-0010, AG-2B46-S-16-0004, & 12FPC319D0016). <i>Principal-in-Charge.</i> Responsible for contract administration, staffing, logistics, and QA/QC 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>Principal-in-Charge.</i> Responsible for contract administration, staffing, coordination, and QA/QC 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.		
11/15 – 05/17	Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) • Bossier Parish, LA. <i>Principal-in-Charge.</i> Responsible for fee negotiations, scope of work, staffing, logistics, and QC/QA 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).		

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	Field Operations Manager and Survey Party Chief		
Bio: Mr. Will Wales will serve as Field Operations Manager/ Survey Party Chief during this contract. He will supervise field operations, lead a field crew, and download data for topographic surveys and property surveys in support of right-of way mapping.			
01/23 – 05/24	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 – 05/24	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 sub-surface utility services for 34 bridge and culvert replacements as a sub to BKI.		
04/21 – 05/24	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 Sigma.		
04/22 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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 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.		
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 in support of QL A, B, C, and D subsurface utility designating/locating, and QL A, B, C, and D sub-surface utility designating/locating for road rehabilitation and bridge replacement.		

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 / 05/09/2030 – 40073 / ND / 08/15/2024		
Year Registered	TX 22; NV 24	Discipline	SIT / LS
Contract Role(s) / Brief Description of Responsibilities	Field Coordinator		
Bio: Mr. William Offer will serve as Field Coordinator during this contract. He will oversee field operations and data transfers for topographic surveys and property surveys in support of right-of way mapping.			
01/23 – 05/24	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 – 05/24	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 re-placements as a sub to BKI.		
04/21 – 05/24	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 Sigma.		
01/23 – 05/24	CenterPoint Energy Surveying Services • LA (Various Agency Proj. 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 – 05/24	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 Proj. 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 Proj. 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 Proj. 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 Proj. No. Unknown). <i>Survey Party Chief.</i> Responsible for running a survey crew for topographic surveys for sewer rehabilitation.		

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 (Staking University)		
Year Registered	2018	Discipline	Certificate of Locating Competency/Staking University
Contract Role(s) / Brief Description of Responsibilities	Survey Field Staff		
Bio: Mr. Iniko Jack will serve as an NTBA Technician during this contract. He will process data, perform calculations, and draft files for topographic surveys, property surveys, and right-of-way maps. Iniko has been trained in Bentley InRoads, AutoCAD, and MicroStation Software to produce maps.			
01/23 – 05/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build • Bossier & Caddo Parishes, LA (H.001779). <i>Party Chief.</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 – 05/24	LADOTD IJJA Off-System Bridge Program • District 62 (4400025041). <i>Party Chief.</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 – 05/24	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 BKL.		
04/21 – 05/24	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 Sigma.		
09/22 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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 supervising field staff, processing data, performing 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 supervising field staff, processing data, and performing 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 Proj. No. 8-15). <i>Field Operations Manager/ Technician.</i> Responsible for supervising field staff, downloading / processing data, and performing 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	TJ Sitton	Years of Relevant Experience with this Employer	13.5
Title	Technician	Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization	A.S. / 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 Data Technician		
Bio: Ms. TJ Sitton will serve as an NTBA Technician during this contract. She will process data for topographic surveys and property surveys and draft base and final right-of-way maps. TJ has been trained in Bentley InRoads, AutoCAD, and MicroStation Software to produce maps.			
01/23 – 05/24	LADOTD Jimmie Davis Bridge (LA 511) Design-Build • Bossier & Caddo Parishes, LA (H.001779). <i>Data Technician.</i> Responsible 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 – 05/24	LADOTD Rural Bridge Replacement Initiative Phase II • Districts 05, 08, & 58 (4400019337). <i>Data Technician.</i> Technician 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 BKI.		
04/21 – 05/24	LADOTD Rural Bridge Replacement Initiative Phase II • Districts 02, 03, 07, 61, & 62 (4400019338). <i>Data 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 Sigma.		
08/22 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. Nos.). <i>Data 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>Data Technician.</i> Responsible for processing 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.		
08/21 – 08/21	Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign • Bossier Parish, LA (BPPJ 2021-126). <i>Data Technician.</i> Responsible for processing field data for control surveys, topographic surveys, property surveys, and QL C subsurface utility services to produce the preliminary design for a new intersection.		
05/15 – 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) • Bossier Parish, LA (City Proj. No. 8-15). <i>Data Technician.</i> Responsible for processing 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 Proj. No. Unknown) <i>Technician</i> 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> 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	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		
Bio: Mr. Chip LeCoq will serve as Survey Party Chief during this contract. He will lead a field crew and download data for topographic surveys and property surveys in support of right-of-way mapping.			
01/23 – 05/24	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 – 05/24	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 BKI.		
04/21 – 05/24	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 Sigma.		
08/23 – 05/24	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 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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.		
12/21 – 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.		
01/21 – 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		
Bio: Mr. Captayn Chapman will serve as Survey Party Chief during this contract. He will lead a field crew and download data for topographic surveys and property surveys in support of right-of-way mapping.			
01/23 – 05/24	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 – 05/24	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 BKI.		
04/21 – 05/24	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 Sigma.		
02/23 – 05/24	CenterPoint Surveying Services • Various Parishes, LA (Various Agency Proj. 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.		
01/22 – 01/22	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.		
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 unning 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 assisting with 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	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 / 09-30-2024		
Year Registered	LA 13	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Project Engineer		
<p>Bio: Mr. Jewell serves as the manager of our Baton Rouge office and as project manager for various geotechnical engineering projects including pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. For two years, he served as an on-site engineer for the LA Hwy. 1, Phase 1 project, where he conducted PDA testing and pile monitoring during construction. Mr. Jewell also achieved Advanced Level Certification for High Strain Dynamic Testing issued by the Pile Driving Contractors Association for Dynamic Measurement and Analysis Proficiency.</p>			
08/22-Ongoing	<p>12-CS-HC-0017 / MOVEBR Ardenwood-Lobdell • East Baton Rouge Parish, LA. <i>Project Engineer.</i> This project includes a subsurface exploration and geotechnical evaluation for the construction of the Ardenwood-Lobdell Connector for the MOVEBR program. The field exploration program included 8 soil borings, with associated laboratory testing. The engineering analyses included pavement design recommendations in accordance with LADOTD specifications.</p>		
07/15-Ongoing	<p>SP NO. H.004273.5 / I-49 Connector (Lafayette Regional Airport to 1-10/1-49/US167 Interchange) • Lafayette Parish, LA. <i>Project Manager.</i> Manages 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, including 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.</p>		
07/21-Ongoing	<p>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> Leads all aspects of engineering analyses pertaining to the 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.</p>		
06/20-11/22	<p>SP. NO. H.002825 / Nicholson Drive (LA HWY 30) Segment 1 • East Baton Rouge Parish, LA. <i>Project Engineer.</i> This project consisted of reconstructing and widening 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.</p>		
10/18-06/21	<p>SP NO. H.000263.5-1 / Chef Menteur Pass Bridge & 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.</p>		
10/18-01/19	<p>SP NO. H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road • Bossier Parish, LA. <i>Project Engineer.</i> Assisted 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.</p>		

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 / 03-31-2026		
Year Registered	LA 11	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Project Manager		
<p>Bio: Ms. Bourgeois has more than 14 years of experience with shallow foundations, embankment settlement, pile and drilled shaft foundations, LRFD design, slope stability (embankment and excavation), pipeline and pump station recommendations, geotechnical instrumentation, and construction monitoring. She has managed numerous geotechnical investigations and design evaluations, managed laboratory testing programs, while also serving as Ardaman's program manager for many LADOTD projects for bridges and roadways throughout Louisiana. Ms. Bourgeois also serves as the director of our geotechnical engineering laboratory in Baton Rouge. In this role, she supervises the laboratory manager, oversees testing, provides guidance to laboratory staff, and sees appropriate protocol is followed and deadlines are met in addition to provide training material and maintaining AASHTO certifications.</p>			
08/22-Ongoing	<p>12-CS-HC-0017 / MOVEBR Ardenwood-Lobdell • East Baton Rouge Parish, LA. <i>Project Engineer.</i> This project includes a subsurface exploration and geotechnical evaluation for the construction of the Ardenwood-Lobdell Connector for the MOVEBR program. The field exploration program included 8 soil borings with associated laboratory testing. The engineering analyses included pavement design recommendations in accordance with LADOTD specifications.</p>		
07/15-Ongoing	<p>SP NO. H.004273.5 / I-49 Connector (Lafayette Regional Airport to 1-10/I-49/US167 Interchange) • Lafayette Parish, LA. <i>Project Engineer.</i> Assisting the Program Manager in overseeing the geotechnical investigation and design of the 5 miles of freeway consisting of 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 for developing the Geotechnical Investigation and Design Report.</p>		
07/21-Ongoing	<p>SSP 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> Leads technical reviews pertaining to the 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.</p>		
10/18-06/21	<p>SP NO. H.000263.5-1 / Chef Menteur Pass Bridge & Approach • Orleans Parish, LA. <i>Project Manager.</i> Managed and oversaw all aspects of an extensive field investigation program, including 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 a laboratory testing program to provide geotechnical characterization data for use in the design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.</p>		
10/18-01/19	<p>P NO. H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road • Bossier Parish, LA. <i>Project Engineer.</i> Provided construction engineering CQA to implement the project's CQA Program by leading the technical review of any submittals and overseeing the construction testing program, including the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring for this Design Build, 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.</p>		
10/14-12/16	<p>SP NO. H.010601.5 / I-10 Widening (E. JCT. I-49 TO LA 328) • St. Martin Parish, LA. <i>Project Engineer.</i> Managed and provided 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 and LA 328 spanning approximately 7 miles.</p>		

Firm Employed By	Ardaman & Associates, Inc.		
Name	Chandler Willis	Years of Relevant Experience with this Employer	12
Title	Laboratory Manager	Years of Relevant Experience with Other Employer(s)	4
Degree(s) / Years / Specialization	BS / 2004 / Marketing		
Active Registration Number / State / Expiration Date	NICET / Generalist, Laboratory No. 135280 / 11-01-2024		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Testing		
<p>Bio:Mr. Willis serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. He supervises and manages operations of our AMRL Certified and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises four full-time laboratory technicians. Mr. Willis is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size, Sieve Testing, Organic Matter tests, Moisture Content, and Strength testing (Unconfined and Unconsolidated-Undrained Triaxial (UU)). Prior to working for Ardaman, Mr. Willis served as laboratory manager at another geotechnical laboratory for two years.</p>			
10/09-Ongoing	<p>SP NO. H.004646.5 / Mississippi River Bridge Review • Vicksburg, MS. <i>Laboratory Manager</i>. Supervised and assisted 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.</p>		
04/14-03/22	<p>SP NO. H.004435 / I-12 to Bush Segment 2, LA 3241: St. • Tammany Parish, LA. <i>Laboratory Manager</i> Supervised and assisted 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.</p>		
10/18-06/21	<p>SP NO. H.000263.5-1 / Chef Menteur Pass Bridge & Approach • Orleans Parish, LA. <i>Laboratory Manager</i>. Supervised and assisted 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. Assisted in performing field resistivity testing along the alignment.</p>		
11/15-01/21	<p>SP NO. H.011309 / Macarthur Interchange Completion, Phase 2, Route US 90-Z • Jefferson Parish, LA. <i>Laboratory Manager</i>. Supervised and assisted 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.</p>		
04/14-05/18	<p>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 Manager</i>. Supervised and assisted 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. Assisted in performing field resistivity testing along the alignment.</p>		
05/12-03/13	<p>SP NO. H.002260.5 / Goose Bayou Bridge Geotechnical Investigation, Route LA 45 G • St. Tammany Parish, LA. <i>Laboratory Manager</i>. Project subconsultant to T. Baker Smith, the third segment, LA 435 – LA 40/LA 41 included 26 soil borings, sampling, and laboratory testing along with engineering analyses along an alignment that includes one bridge LA 435 over Talisheek Creek.</p>		

Firm Employed By	Ardaman & Associates, Inc.		
Name	Robert Rousset, PE	Years of Relevant Experience with this Employer	18
Title	Project Manager, Vice President, Regional Manager	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	Bachelor of Science / 2008 / Civil Engineering		
Active Registration Number / State / Expiration Date	#38637 / LA / 09-30-2024		
Year Registered	LA 2014	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Engineer		
Bio: Mr. Rousset serves as the manager of Ardaman's New Orleans office and as project manager for various geotechnical engineering projects as well as contract administrator of several major contracts. He has managed projects that have included pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. For two years, he served as an on-site engineer for the LA Hwy. 1, Phase 1 project, where he conducted PDA testing and pile monitoring during construction. Mr. Rousset also achieved Intermediate Level Certification for High Strain Dynamic Testing issued by the Pile Driving Contractors Association for Dynamic Measurement and Analysis Proficiency.			
07/16-Ongoing	SP NO. H.004113 / I-12 (US 190 TO LA 59): • East Baton Rouge Parish, LA. <i>Project Manager.</i> Oversaw and coordinated 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> Oversaw and coordinated 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> Managed 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> Served 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> Mr. Rousset planned 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> Performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.		

Firm Employed By	Ardaman & Associates, Inc.		
Name	Ross McGillivray	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 / 02-28-2023		
Year Registered	FL 1998	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Engineer		
<p>Bio: As a principal engineer working from the Tampa office of Ardaman, Mr. McGillivray provides technical review and consultation on projects involving building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, groundwater hydrology, and sinkhole evaluation and remediation. He has provided engineering reviews or designs on projects with Ardaman offices in Florida and for offices in Baton Rouge and New Orleans, Louisiana.</p> <p>Mr. McGillivray managed the operations of the soil mechanics laboratory as a Research Engineer at MIT from 1968 to 1970 and conducted research into the behavior of soil and soil-like industrial waste products while at MIT. He worked as a staff engineer on projects in North Carolina, Florida, Alaska, and Venezuela for Lambe & Associates, Inc. of Cambridge, Massachusetts, including the evaluation of soil stability and anchor capacity for a large retaining wall for the Parque Central' project in Caracas, Venezuela and the development of a permafrost and soil mechanics laboratory in Anchorage, Alaska. Mr. McGillivray was the branch geotechnical and materials engineer for Pittsburgh Testing Laboratory's Tampa, Florida branch office, where he supervised the completion of site exploration programs for building foundations and designed earthen dams to contain waste clay tailings from phosphate processing from 1972 to 1974. He founded ARMAC Engineers, Inc. in 1975, working on building foundations, sinkhole evaluation and remediation, mine slope stability, and earthen dam projects. He joined Ardaman & Associates, Inc. in 1996 as a Senior Engineer, working on mining, building foundation, and bridge foundation projects.</p>			
7/15 –Ongoing	<p>I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) • Lafayette Parish, LA, SP No. H.004273.5. <i>Principal Engineer.</i> Mr. McGillivray helped review all of the geotechnical design including deep foundations, lateral load analyses, earth retaining structures in support of 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, advanced load test programs, and earth retaining structures. Mr. McGillivray will help with review and preparation of the Phase 1 preliminary Geotechnical Design Report.</p>		
07/21-Ongoing	<p>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> Leads technical reviews of 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.</p>		
11/15-01/21	<p>MacArthur Interchange Completion Phase II Route US 90-Z • Jefferson Parish, SP No. H.011309. <i>Principal Engineer.</i> Mr. McGillivray reviewed 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.</p>		
10/18-12/18	<p>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>Principal Engineer.</i> Mr. McGillivray helped 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, Louisiana.</p>		

Firm Employed By	Ardaman & Associates, Inc.		
Name	Jarmon King, EI	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		
Active Registration Number / State / Expiration Date	EI 34348 / LA / 03-31-2026		
Year Registered	LA 2019	Discipline	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Geotechnical Engineer		
<p>Bio: Jarmon King serves as an assistant project engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding, data, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during construction projects. Mr. King also serves as the Office Safety Coordinator and has experience assessing safety of employees on the job site in accordance with OSHA where he is responsible for carrying out company safety standards and making any changes to produce a safe and productive environment.</p>			
07/21-Ongoing	<p>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> Assists 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.</p>		
10/18-06/21	<p>SP NO. H.000263 / Chef Menteur Pass Bridge & Approach • Orleans Parish, LA. <i>Assistant Project Engineer.</i> Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report.</p>		
10/18-12/18	<p>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> Assisted 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.</p>		
06/20-11/22	<p>SP. NO. H.002825 / Nicholson Drive (LA HWY 30) Segment 1 • East Baton Rouge Parish, LA. <i>Assistant Project Engineer.</i> This project consisted of 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.</p>		

Firm Employed By	Ardaman & Associates, Inc.		
Name	Donald Anthony	Years of Relevant Experience with this Employer	21
Title	Senior Driller	Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	High School Diploma		
Active Registration Number / State / Expiration Date	#WWC-212 / Louisiana Water Well Driller's License		
Year Registered	2023	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	Drilling Supervisor		
Bio: Mr. Anthony has over 15 years of experience drilling in the Louisiana Gulf Coast Region. This experience has included soil borings (on land and over water), CPT, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. He has drilled in very soft organic rich soils, very stiff clays, sands and gravels. Mr. Anthony served as Ardaman's driller for the LA-1 new elevated highway project in Lafourche Parish where he conducted soil borings and CPTs via airboat to depths of 200 feet.			
07/15-Ongoing	SP NO. H.004273.5 / I-49 Connector, Geotechnical Investigation • Lafayette Parish, LA. <i>Drilling Supervisor.</i> Supervised the completion of preliminary field investigation consisting of 120 deep borings, 19 CPT soundings, and 26 shallow borings.		
07/18-Ongoing	Mid-Breton Sediment Diversion • Plaquemines Parish, LA. <i>Senior Driller.</i> Mr. Anthony serves 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.		
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 Segent 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 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.		

17 Firm Experience

Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	1 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 construct 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	2 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 construct 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



- City of Shreveport
- Coordination with LADOTD

Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	3 LA3 Plain Dealing, LA Geometric Roadway Design		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	EnDeCo Engineers, Inc.	
Project Location	Shreveport, Louisiana		Owner's Project Manager	Jon Bowlin
Owner's Address, Phone, Email	PO Box 6319 Shreveport, LA 71136, 903.935.9369, jbowlin@endeco.net			
Services commenced by this firm (mm/yy)	10/22	Total consultant construct cost (\$1,000s)	\$1,000	
Services completed by this firm (mm/yy)	07/23	Cost of consultant services provided by this firm (\$1,000s)	\$73.5	

Staff Involved: Brandon Aillet, Marcus Taylor

Description

Halff undertook a complex engineering design project, involving geometric improvements along LA 3 at the entrance to a proposed sawmill development in Bossier Parish, LA. The scope of our services encompassed surveying, geotechnical, roadway, drainage, and traffic aspects. The existing roadway of LA 3, a two-lane, 55 mph, asphaltic concrete roadway, was transformed through our design, which included proposed roadway widening, lane shifts, left and right turn lanes, roadside ditch realignments, a concrete culvert headwall, restriping, and the design of a concrete pavement entrance to the site.

Our design was meticulously crafted to adhere to the stringent standards and specifications set by LADOTD. This required thorough permitting and reviews. As the designer, Halff took on the responsibility of coordinating with LADOTD on behalf of the developer and provided valuable assistance in the construction administration throughout the project's life.

In conclusion, Halff's unwavering commitment to a comprehensive approach, spanning from design to coordination and administration, underscores their dedication to delivering a high-quality roadway project. This project, designed with precision and executed with care, not only benefits the businesses involved but also enhances the quality of life for the residents in the area.

Project Highlights

- City of Shreveport
- Coordination with LADOTD

Directly Reviewed by LADOTD District 4

Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	4 Kennedy Lane and Westlawn Drive Roadway Improvements		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Texarkana	
Project Location	Texarkana, Texas		Owner's Project Manager	Jonathan Wade, PE, CFM
Owner's Address, Phone, Email	PO Box 1967 Texarkana, TX, 903.798.3948, jonathan.wade@txkusa.org			
Services commenced by this firm (mm/yy)	10/23	Total consultant construct cost (\$1,000s)	\$1,586	
Services completed by this firm (mm/yy)	07/24	Cost of consultant services provided by this firm (\$1,000s)	\$138	

Staff Involved: Brandon Aillet, Marcus Taylor

Description

Halff is currently providing extensive engineering design services to rehabilitate and improve approximately 4,600 linear feet of Kennedy Ln. from N. Robison Rd. to Summerhill Rd. and 3,400 linear feet of Westlawn Dr. from Madison Dr. to Arlington St. in Texarkana, TX. The existing roadways of Kennedy Ln. and Westlawn Dr. are both four-lane roadways composed of asphaltic concrete pavement. The existing roads were severely cracked and failing. The City desired to mill and overlay some sections of the road, perform full-depth roadway reconstruction in other areas that were in poor condition, and replace them with new asphalt pavement.

Implementing daytime work hours is a key aspect of this project, designed to prioritize the convenience and comfort of our stakeholders. Daytime work hours allow construction activities to occur during regular business hours, minimizing disruption to commercial operations. The noise levels during daytime construction activities are generally more tolerable for residents living along the roadway.

Firm Name	Halff		Past Performance Evaluation Discipline(s)*	Road
Project Name	5 Cleveland Gibbs Roadway Improvements		Firm Responsibility	Prime
Project Number	N/A	Owner's Name	Town 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)	10/16	Total consultant construct cost (\$1,000s)		\$4,000
Services completed by this firm (mm/yy)	11/18	Cost of consultant services provided by this firm (\$1,000s)		\$400

Staff Involved: Brandon Aillet, Marcus Taylor

Description

Halff provided survey, platting, subsurface utility engineering, hydrologic and hydraulic modeling, and roadway engineering design to construct Cleveland-Gibbs Road, a four-lane divided thoroughfare 5,400 linear feet long. The project, including grading for the entire roadbed, the ultimate roadway pavement design and the 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, designed in accordance with the Town of Northlake and TxDOT standards, included 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 plans and profiles, culvert plan and profiles, pavement marking and signage, erosion control plans, illumination plans, cross-sections, and standard details. Construction was efficiently completed in November 2018, just six months after the construction plans were finalized, demonstrating our strong project management and execution.



Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*	Survey
Project Name	1 Walter O. Bigby Carriageway (N. Pkwy Ext.)		Firm Responsibility	Prime
Project Number	City Proj. No. 8-15	Owner's Name	City of Bossier City	
Project Location	Bossier Parish, LA		Owner's Project Manager	Mark B. Hudson, PE
Owner's Address, Phone, Email	P.O. Box 5337, Bossier City, LA 71171 (318) 465-5801 engineering@bossiercity.org			
Services commenced by this firm (mm/yy)	05/15	Total consultant construct cost (\$1,000s)		\$4,960.6
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm (\$1,000s)		\$4,248.1

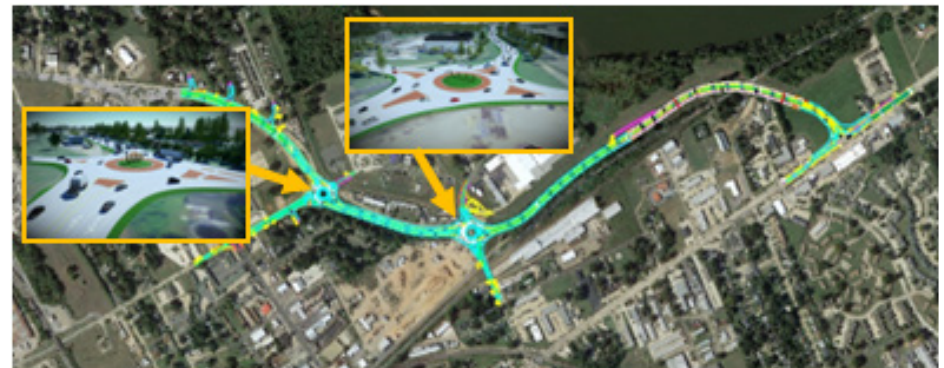
Staff Involved: P. Rossini, M. King, A. King, B. Bunch, G. Gilleon, I. Jack, T. Sitton, W. Offer

Description

NTBA provided control, topographic, property, and bathymetric surveying services, subsurface utility designation locating services, as well as surveys in support of subsurface utility engineering, right of way acquisition plats/maps, and legal description preparation for approximately 2 miles of roadway right of way for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge in Bossier City, LA. The project contains two multi-lane traffic circles with an estimated construction cost of \$42.3 million. The area included a major thoroughfare, local streets, riverbanks, levee crossings, and railroad right of way.

This project consists of designing the Walter O. Bigby Carriageway from north of Eatman Street to Benton Road. Walter O. Bigby follows an existing roadway for a portion of the alignment, then continues northward on a new alignment between the Red River Levee and Union Pacific Railroad. A bridge structure crosses existing Union Pacific Railroad tracks, and the carriageway connects to Benton Road at a new signalized intersection. The total project length includes approximately 5,300 feet of reconstructed city streets and 3,600 feet of new four-lane streets, which includes a 1,470-foot bridge structure.

NTBA is also responsible for the environmental assessment, public hearings, and conceptual design and is currently performing Construction Management Support Services. This project is being completed in accordance with the Louisiana Location and Survey Manual, CI/ASCE Standard 38-02, and the City of Bossier standards.

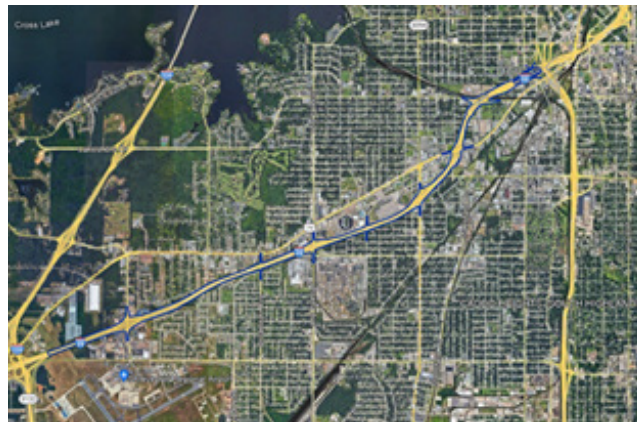
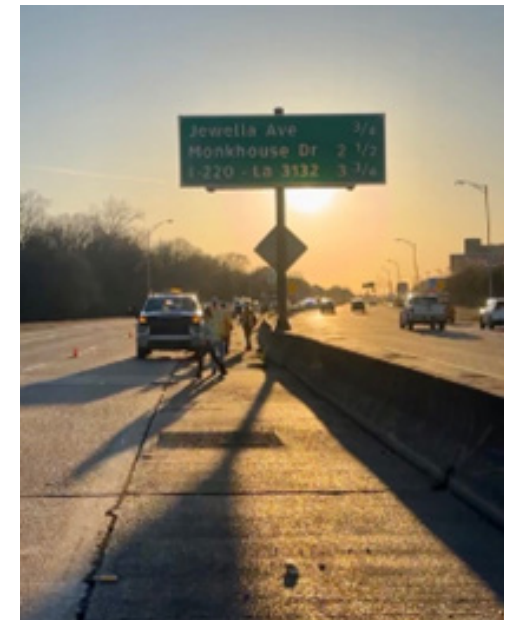


Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*	Survey & Other (SUE)
Project Name	2 I-20: Monkhouse to I-49, Route I-20		Firm Responsibility	Prime
Project Number	4400017713/ H.010468.5	Owner's Name	LADOTD Baton Rouge	
Project Location	Caddo Parish, LA	Owner's Project Manager	Mr. Barrett Smith, PLS	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 (225) 379-1133 barrett.smith@la.gov			
Services commenced by this firm (mm/yy)	04/22	Total consultant construct cost (\$1,000s)	\$1,355	
Services completed by this firm (mm/yy)	04/23	Cost of consultant services provided by this firm (\$1,000s)	\$1,355	
Staff Involved: P. Rossini, M. King, A. King, C. LeCoq, B. Bunch, G. Gilleon, I. Jack, C. Chapman, P. Staiano, T. Sitton, W. Wales, W. Offer				

Description

NTBA performed Static GPS Control, topographic surveying services utilizing RTK and conventional surveying and HDS 3D Terrestrial Laser Scanning, Traffic Control, and QL C & D subsurface utility investigation for interstate rehabilitation. NTBA also prepared a drainage map. This project was one of the largest topographic surveys NTBA has ever participated in. It consisted of 4.89 miles of interstate, 2.35 miles of side streets, and a drainage area of approximately 990 acres. Surveys and utility investigations were performed along I-20 beginning approximately 4,200 ft. southwest of Monkhouse Dr. and I-20 intersection and proceeding in a northeasterly direction along I-20 ending at the westerly end of the I-20/I-49 interchange. Areas included Monkhouse Drive, Jewella Avenue, Hearne Avenue, Greenwood Road, Texas Avenue, and Lakeshore Drive.

NTBA managed our sub-consultant, E.S.P. Associates, P.A., for Mobile Laser Scanning Services of hard surfaces along the route. NTBA performed data extraction of mobile scan data for incorporation into Inroads and Point Cloud delivery. LADOTD's project schedule had an allowable duration of 365 days, but NTBA completed it in 359 days with one minor comment. This effort took 3,999 field crew hours, 3,448 CADD hours, and 2,250 PLS hours. There were over 70,000 points for the topographic survey and over 1,500 drainage structures surveyed for the drainage map. The areas included major thoroughfares, surface streets, railroad rights-of-way, and drainage canals. MicroStation files were the deliverables for the project. All services are completed in accordance with the Location and Survey Manual and all currently accepted Location and Survey Automated procedures.



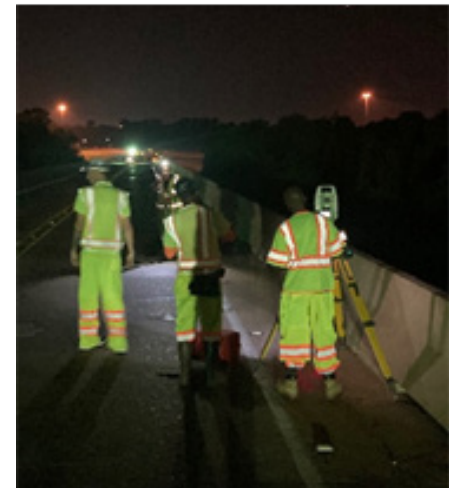
Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*	Survey, Other (SUE), Right of Way
Project Name	3 Jimmie Davis Bridge (LA 511) Design-Build		Firm Responsibility	Sub Consultant
Project Number	H.001779	Owner's Name	LADOTD Baton Rouge/ James Construction/ Huval & Associates, Inc.	
Project Location	Bossier & Caddo Parishes, LA		Owner's Project Manager	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)	01/23	Total consultant construct cost (\$1,000s)	\$1,140	
Services completed by this firm (mm/yy)	On-going	Cost of consultant services provided by this firm (\$1,000s)	\$1,140	

Staff Involved: P. Rossini, M. King, A. King, C. LeCoq, B. Bunch, G. Gilleon, I. Jack, C. Chapman, P. Staiano, T. Sitton, W. Wales, W. Offer

Description

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, repurposing the existing Jimmie Davis Bridge as a Linear Park to provide bicycle and pedestrian facilities, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of 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 the project's bridge closure, completed during night shifts to assist with safety measures and avoid travel disruptions.

NTBA verified 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. For property surveys, title take-offs were attained for approximately 50 properties adjacent to the route, and a property survey submittal was prepared with apparent right of way shown. NTBA prepared and submitted preliminary and final right of way maps for LADOTD review & approval. NTBA identifies all utilities in conflict with the construction and coordinates any required utility adjustments with the utility owner. NTBA is utilizing the Louisiana Department of Transportation Survey and Design Manual Addendum A as well as CI/ASCE Standard 38-02.



Firm Name	Ardaman & Associates		Past Performance Evaluation Discipline(s)*	Geotech
Project Name	1 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	LADOTD (Client: Stantec)	
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 construct 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

Description

The overall project includes 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 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.



Firm Name	Ardaman & Associates		Past Performance Evaluation Discipline(s)*	Geotech
Project Name	2 Nicholson Drive (LA HWY 30) Segment 1		Firm Responsibility	Sub Consultant
Project Number	SP. No. H.002825	Owner's Name	LADOTD	
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 construct cost (\$1,000s)	\$9	
Services completed by this firm (mm/yy)	10/20	Cost of consultant services provided by this firm (\$1,000s)	\$9	

Staff Involved: Robert Jewell, Megan Bourgeois, Robert Rousset, Jarmon King

Description

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 13 shallow soil borings and two deep soil borings. The shallow soil borings were drilled to a depth of six 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.



Firm Name	Ardaman & Associates		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	3 SP No. H.004435	Owner's Name	LADOTD (Client: Shread-Kuyrkendall)	
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)	04/14	Total consultant construct cost (\$1,000s)	\$3,197	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000s)	\$460	

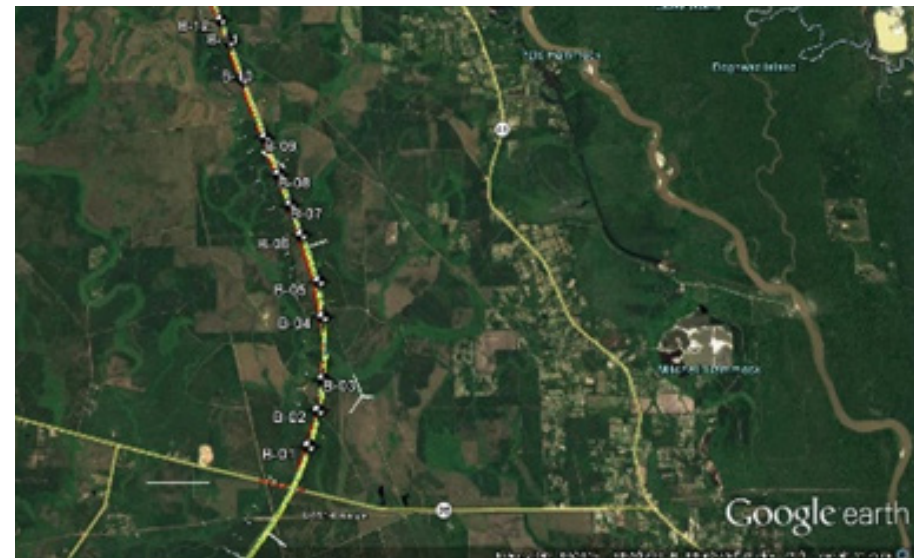
Staff Involved: Robert Jewell, Megan Bourgeois, Robert Rousset, Chandler Willis

Description

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, the City of Shreveport (City) and the engineering and construction community have worked together to plan, design, and construct multiple roadway improvement projects. LADOTD and the City are looking to acquire the services of professional engineering consultant(s) to help rehabilitate seven existing asphalt roadways within the city. The Halff Team, with its deep-rooted local expertise and experience, is intimately familiar with these roadways, their daily use, and the infrastructure concerns they pose.

We see our city's successes and increases in quality of life as mutually beneficial for Halff's long-term growth and success in Northwest Louisiana. We are in this with you.

The Halff Team can provide all the services expected under the Scope of Work. These services include but are not limited to, topographical & boundary surveys, utility coordination, geotechnical studies, permitting, plat preparation and property acquisition, 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 City and LADOTD. We also understand that roadway improvement projects include but are not limited to roadway maintenance crack sealing and the milling and overlay of existing asphalt pavements.

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 of the City of Shreveport and LADOTD, working with both to achieve their goals and contribute to their long-term growth and success in Northwest Louisiana.

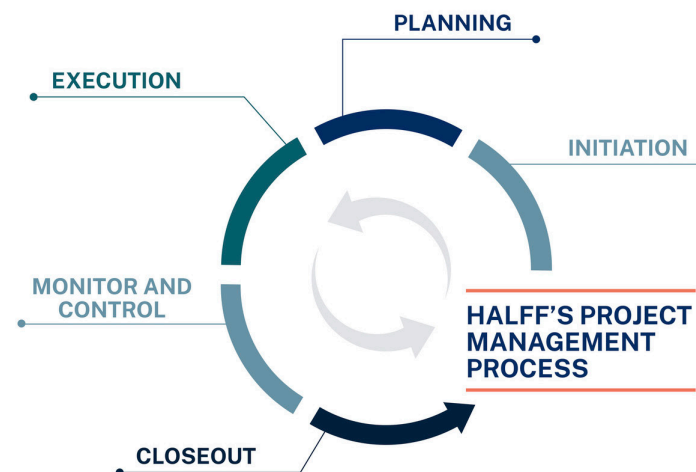
The Approach to Complete the Project

Halff has assembled a team of design professionals who have worked together on several successful projects throughout Northwest Louisiana. We understand that the City and LADOTD desire to smoothly, methodically, and quickly accomplish any project that may arise. The Halff Team, with its varied disciplines and depth, is configured to assist with multiple design Tasks at once – we are a service provider with the capacity and experience to provide service to all design services related to the City's roadway restoration effort. Our project management and design approach is comprehensive and well-structured, resulting in an efficient process.

The advantage of having Halff as your engineering firm is that you get the experience and expertise of these professionals across Louisiana, as well as the cultural understanding and ownership that come with a local firm and presence.

Halff Project Management Approach: Halff's approach to managing and completing a project takes advantage of our robust and local planning and engineering design expertise with transportation infrastructure projects.

Our approach to managing and completing the project is a testament to our commitment to transparency and efficiency. We will work closely with the city's engineering staff to accurately scope the services required for developing the PS&E upon contract approval. A kickoff meeting with the City and State 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 with essential details for our approach to achieving a comprehensive roadway design.



PRELIMINARY PHASE



Pre-Design Study and Condition Assessment: Project Manager Marcus Taylor, PE, will kick off the project by meeting City and State staff. At this meeting, we will understand the City's specific project objectives, scope, limitations, design criteria, requirements, goals, and budget. Understanding the limitations, possible conflicts, and potential design configurations provides the basis for a successful design and construction project. We will collect and carefully review all existing data (surveys, geotechnical reports, city foresight plans, as-builts, etc.), 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 prove 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 and follow the latest version of the LADOTD Location and Survey Manual. 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 are significant. 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 solve all boundaries to create the existing property map. Our advanced technology and geospatial solutions facilitate precise and creative outcomes.

Halff will prepare temporary and permanent servitudes, right of way acquisition documents, and legal descriptions as required to allow the City to operate, maintain, and replace its assets. The Halff Team understands the process of preparing and submitting plat and easement documents that meet the City of Shreveport Survey standards and all state and federal survey design practice standards. Halff will coordinate with a local property acquisition consultant to assist in the execution and recordation of needed property documents on schedule so as not to cause delays in construction activity.



Geotechnical Investigation & Recommendations: If needed, the geotechnical analysis will be initiated based on the project scope. If available, existing boring data will be reviewed, and additional soil borings will be obtained where appropriate. The Halff Team will conduct a geotechnical investigation to determine pavement and subgrade conditions and provide appropriate pavement design considerations. The team will evaluate alternate pavement sections and offer recommendations for sections that will meet strength requirements and optimize factors such as cost and construction time.



Utility Coordination: Halff will resolve all potential utility conflicts discovered during the preliminary engineering phase through design refinement or by coordination with private energy and communication companies to relocate their utilities. Halff will work closely with the City and the utility companies to

identify potential utility relocations and make sure they are relocated in a timely manner before the construction of the project begins.



Preliminary Design: Halff will focus preliminary design efforts on establishing roadway and utility geometric design and profiles, structure dimensions, complex hydraulics, project disturbance limits, and aesthetic options when appropriate. Emphasis will be placed on minimizing structural costs and utility disruptions/ relocations, as these will impact project budgets the most. Key elements of the preliminary design are described below:

- 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 LADODT for any requirements that involve connections to or utility improvements within the "onsystem" 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 accurate and comprehensive construction cost estimates in the preliminary phase are crucial in maximizing the use of available funds and achieving the City's goals for the final design.

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 Constructibility Review Form, Design Report, QA/QC Checklist, Contract time Worksheet, and Storm Water Pollution Prevention Plan (SWPPP).

Drainage Design: Halff will complete the hydraulic analysis of the proposed storm sewer systems, including analysis of all contributing drainage areas, weighted runoff coefficients, pipe velocities, and hydraulic grade lines following the LADOTD design criteria. We have been successful on recent projects, including Audrey Lane Roadway Improvements and the Cleveland-Gibbs Road projects, using AutoCAD's pipe networks and Hydraflow Storm Sewer program to determine the hydraulics of the pipe system.

The Halff Shreveport office 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, specifically the 6 HUC-8 watersheds of northwest Louisiana. 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.

Utilizing comments and direction received from the City's and LADOTD's review of the preliminary plans, we will prepare a detailed submittal set, including plans with standard details, general notes, draft bid documents, special specifications, and construction cost estimate.

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 award of the construction contract, Halff will provide construction administration services as required. In addition to the construction phase services in the standard scope, Halff's previous experience in the design and construction administration of multidisciplinary projects will provide value to the City of Shreveport's potentially 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 to the City for payment on items involving schedules of values and/or material on hand.
- Assist the City 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.



Landscape Design: Halff’s in-house capabilities enable us to seamlessly integrate project landscape and hardscape plans, perfectly aligned with the project scope. Our team’s expertise in selecting and positioning plant materials guarantees ease of maintenance and efficient irrigation. We also excel in the design, detailing, and coordination of hardscape items such as decorative paving, railing, and gateway monument features. This comprehensive approach provides quality and allows for construction under a single contract, relieving the City of the burden of managing multiple contracts and promoting a smooth execution of the project.

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 C 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. Halff has locally based design and technical resources that are second to none in the city. 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 is 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	Other (Water Modeling)	Contract No. 440020960 Task Order No. 9	COMS SOW	\$22,440
	Other (Water Modeling)	Contract No. 440020960 Task Order No. 15	Phase 1 Discovery Northwest Louisiana	\$13,543
	Planning	Contract No. 440020960 Task Order No. 16	CTP PM Statement of Work	\$11,070
	Other (Water Modeling)	Contract No. 440020960 Task Order No. 20	Phase 2 Rapides Parish Part 2	\$6,314
	Other (Water Modeling)	Contract No. 4400017090 Task Order No. 2	Louisiana Watershed Initiative: Region 4 Modeling	\$183,323
	Other (Water Modeling)	Contract No. 4400017090 Task Order No. 3	Louisiana Watershed Initiative: Region 4 Modeling	\$15,837
NTB Associates, Inc.	Survey	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	\$12,467
	Right of way	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Sigma)	\$74,893
	Survey	4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	\$1,994
	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)	\$80,850
	Survey	4400017067 LWI Task Order 3	Louisiana Watershed Initiative (LWI) Modeling Contract – Region 1 (Sub to Atkins)	\$3,481
	Survey	4400019715 H.008768.5	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 11 – Spring Bridges	\$17,214
	Right of way	4400025041	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program	\$27,226
	Survey	4400026587 H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	N/A
	Other (SUE)	4400026587 H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	\$145,000
	Right of way	4400026587 H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	N/A

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
Ardaman & Associates, Inc.	Geotech	H.004273	I-49 Connector, Lafayette	\$497,533
	Geotech	H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$171,809
	Geotech	H.004100	I-10: CMAR 30% Segment 1 Design	\$51,392
	Geotech	H.013897	I-10 / I-12 College Drive Flyover	\$234,721
	Geotech	H.004100.5-2	I-10: LA 415 to Essen Lane on I-10 & I-12	\$10,652
	Geotech	H.04435	I-12 to Bush LA 3241 (LA36-LA 435) Construction Phase	\$47,956
	Geotech	H.009266	I-10 (LA 73 to LA 30) Route I-10 Ascension Parish	\$59,553
	Geotech	H.002244.5	Boudreaux Canal Bridge (LA 56)	\$160,589
	Geotech	H.013284	MRB GBR LA 1 to LA 30 Connector	\$414,135
	Geotech	H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$22,708
	Geotech	H.015337, H.015452-63, H.015489-92, H.015341	Rural Bridge Replacement	\$471,667
	Geotech	H.012842.5	LA 124 Ext. Near Larto Lake	\$61,539
	Geotech	H.014265.5	N River Road Irving Branch	\$20,447
	Geotech	H.012533.5	LA 1252 Bayou Pt Brule Bridge	\$36,674

20 Certifications/Licenses



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

Mr. Brant Bennett Richard

License/Certificate Type - Number	Expiration Date
PE.0028567	09/30/2025

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Robert Brandon Aillet

License/Certificate Type - Number	Expiration Date
PE.0033402	03/31/2026

Status: **Active**



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

Mr. Marcus Debrot Taylor

License/Certificate Type - Number	Expiration Date
PE.0040539	09/30/2024

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Morgan Adam Harris

License/Certificate Type - Number	Expiration Date
PE.0045310	09/30/2025

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Lesley Vance Short

License/Certificate Type - Number	Expiration Date
PE.0026026	03/31/2026

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. James L. Barr

License/Certificate Type - Number	Expiration Date
PE.0030858	03/31/2026

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Eric Steven Christiansen

License/Certificate Type - Number	Expiration Date
PE.0040671	09/30/2024

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. James Peterson Miller

License/Certificate Type - Number	Expiration Date
PE.0043786	03/31/2026

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Paul Brian Rossini

License/Certificate Type - Number	Expiration Date
PLS.0004731	09/30/2024

Status: **Active**



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

Mr. Patrick Carl Staiano

License/Certificate Type - Number	Expiration Date
PLS.0005130	09/30/2025

Status: **Active**



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ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
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Mr. Michael Joseph King

License/Certificate Type - Number	Expiration Date
PLS.0005127	09/30/2025

Status: **Active**




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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Bryan Turner Bunch

License/Certificate Type - Number	Expiration Date
PLS.0005014	03/31/2026

Status: **Active**




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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Robert Edwin Jewell

License/Certificate Type - Number	Expiration Date
PE.0038579	09/30/2024

Status: **Active**




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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Ms. Megan G. Bourgeois

License/Certificate Type - Number	Expiration Date
PE.0036725	03/31/2026

Status: **Active**



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(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Robert Egli Rousset

License/Certificate Type - Number	Expiration Date
PE.0038637	09/30/2024

Status: **Active**



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

Mr. Jarmon Everett King II

License/Certificate Type - Number	Expiration Date
EI.0034348	03/31/2026

Status: **Active**



Marcus Taylor
has attended
Louisiana Traffic Control Supervisor

Completed: 22-FEB-2024
CEU (If Applicable): 1.5

ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.



American Traffic Safety Services Association
ATSSA.com



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Patrick Staiano
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/29/2022 to 4/29/2026
Training Valid Through

Baton Rouge, LA
Location

James Taylor
Director of Training

John Traylor
President, CEO

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



American Traffic Safety Services Association ATSSA.com




PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Iniko T Jack
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through


Vice President of Education and Technical Services

Baton Rouge, LA
Location


President, CEO

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




PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

William Wales
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through


Vice President of Education and Technical Services

Baton Rouge, LA
Location


President, CEO

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



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Captayn Chapman
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/8/2023 to 2/8/2027
Training Valid Through


Vice President of Education and Technical Services

Baton Rouge, LA
Location


President, CEO

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



21 QA/QC Plan

Not Required According to RFQ

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
NTB Associates, Inc.	Corporate Headquarters: 525 Louisiana Ave., Shreveport, LA 71101 Branch Office: 8643 Main St., Zachary, LA 70791	Bryan T. Bunch, PLS bbunch@ntbainc.com	225.751.4002
Ardaman & Associates, Inc.	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell RJewell@ardaman.com	225.666.4598

23 Location

Not Required: Shreveport Office
was Established in 2014.