LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

November 21, 2024

Statement of Qualifications

Contract No. 4400030630

Kings Hwy: Healthcare & Dev. Corridor, Caddo Parish

halff

November 21, 2024

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

RE: Contract No. 4400030630
Kings HWY: Healthcare & Dev. Corridor, Caddo Parish

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

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

Neel-Schaffer, Inc. (Neel-Schaffer) will provide roadway design, traffic analysis, traffic forecasting, and traffic infrastructure design, including Intelligent Transportation System considerations. They provide redundancy in design services and will allow the team to meet and/or exceed the project schedule.

NTB Associates (NTBA), will perform 100% of the surveying that is required for this contract. Established in Louisiana in 1986, with offices in Shreveport and Zachary, NTB has served DOTD with many successful survey projects. They have the experience necessary, the capacity and the local availability of surveying crews in Shreveport. The topographic surveys and any additional services performed for this project will be in accordance with the current edition of DOTD Location and Survey Manual.

Ardaman & Associates, Inc. (Ardaman) will perform 100% of the geotechnical services for this contract as needed. Ardaman was founded in 1959 and has 14 branch offices throughout Louisiana, Florida, and Texas. With a local office in Shreveport and their vast experience with DOTD, 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 Healthcare & Dev. Corridor.

Vectura Consulting Services, LLC (Vectura) will collaborate with Neel-Schaffer to provide comprehensive traffic management and engineering analysis support for this project, aiding Halff and DOTD in transportation systems management (TSM), and related tasks for this project. As a Disadvantaged Business Enterprise (DBE) recognized by the DOTD, Vectura is both a Certified Women-Owned Business and a Certified Small and Emerging Business Enterprise with a focus on transportation engineering.

Marrero, Couvillon, & Associates, LLC (MCA) will provide electrical engineering support to round out our team. MCA is a Minority Business Enterprise (MBE) as well as a DBE, and their previous work covers a large and diverse range of public, commercial, and industrial projects.

The Halff Team has been hand-selected to provide you with a team with decades of experience from multiple offices across Louisiana, and we look forward to working with you on this Contract. We are in receipt of one addendum and two responses to questions.

Brant B. Richard, PE | Principal-in-Charge | brichard@halff.com

Halff Associates, Inc.
Brandon Aillet, PE, CFM | Project Manager | baillet@halff.com

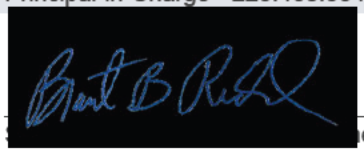
DOTD FORM: 24-102

(Revised September 17, 2024)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1.	Contract Name as shown in the advertisement	KINGS HWY: HEALTHCARE & DEV. CORRIDOR, CADDO PARISH
2.	Contract Number(s) as shown in the advertisement	4400030630
3.	State Project Number(s), if shown in the advertisement	H.015724.5
4.	Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Halff Associates, Inc.
5.	Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.003207
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	Brandon Aillet, PE, CFM • Operations Manager, Shreveport | Project Manager • 318.716.6130 • baillet@halff.com
9.	Name, title, phone number, and email address of the official with signing authority for this proposal	Brant B. Richard, PE • Operations Manager, Baton Rouge | Principal-in-Charge • 225.468.5341 • brichard@halff.com
10.	This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.	 e person listed in Section 9: November 21, 2024 Date
11.	If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Vectura / MCA Firm(s)' %: 11.1 / 2

12 Past Performance Evaluation Discipline Table

Past Performance Evaluation Disciplines	% of Overall Contract	Halff	Ardaman	NTBA	MCA	Neel-Schaffer	Vectura	Each Discipline Must Total to 100%
Data Collection	5	80				10	10	100%
Geotech	6		100					100%
ITS	6	80				10	10	100%
Other (Transit)	13	100						100%
Planning	10	90				5	5	100%
Road	40	65			5	25	5	100%
Survey	10			100				100%
Traffic	10					25	75	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%**	**56.8**	**6.0**	**10.0**	**2.0**	**14.1**	**11.1**	**100.0**

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	1	216
	CADD Technician		86
	Computer Analyst		41
	Designer		95
	Engineer	17	550
	Engineer Intern		121
	Environmental Professional		46
	Geologist		6
	GIS Analyst	5	48
	Graphics		5
	Inspector		47
	ITS Technician		5
	Landscape Architect		54
	Planner	4	35
	Surveyor		150
	Total	27	1,505
Ardaman & Associates, Inc.	Administrative	1	1
	Clerical	1	2
	Engineer	2	4
	Engineer Intern	3	6
	Principal	2	2
	Senior Technician	7	9
	Supervisor - Eng.	3	3
	Supervisor - Other	2	2
	Technician	10	14
	Total	31	43

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (If Needed)
MCA	Supervisor - Eng.	1	1
	Engineer	1	5
	Total	2	6
Neel-Schaffer	Engineer	5	25
	Engineer Intern	1	7
	Total	6	32
NTB Associates, Inc.	Principal	1	1
	Engineer	0	1
	Surveyor	5	7
	Supervisor - Other	1	3
	Senior Technician	0	1
	CADD Technician	1	6
	Technician	1	2
	CADD Drafter	2	6
	Party Chief	4	19
	Instrument Man	4	7
	Rodman	4	7
	Total	23	60
Vectura Consulting Services, LLC	Supervisor - Eng.	2	2
	Engineer	3	3
	Engineer Intern	0	2
	Senior Technician	0	2
	Supervisor - Other	0	1
	Technician	0	1
	Clerical	0	1
	Total	5	12

14 Organizational Chart

Brant B. Richard, PE[1]
Principal-in-Charge (MPR 1, 2, 3)

Brandon Aillet, PE, CFM[1]
Project Manager (MPR 2)

Marcus Taylor, PE[1]
Deputy Project Manager (MPR 3)

James Barr, PE[1]
QA/QC Manager

The Halff Team

1	Halff	4	NTBA
2	Neel-Schaffer	5	Ardaman
3	Vectura	6	MCA

Services

Roadway Design/Engineering
German Velazquez, PE[1] (Lead)
Morgan Harris, PE[1]
Jared Boogaerts, PE, LSI[1]

Hydrologic and Hydraulic Design
Scott Rushing, PE, CFM[1]
Victor Bivens, PE, CFM[1]

Transit/Transportation Planning
Lee Nichols[1]

Support Services (as needed)
Brad Johnson (Transit-Oriented Development)[1]
Javier Argüello, Assoc. AIA, CNU-A (Transit Facilities)[1]
Marc Zak, PLA, LI, RAS (ADA/Pedestrian Facilities)[1]
Jordan Evans, AICP, CNU-A (Active Transportation)[1]

Traffic Management
Ellen Burke Howard, PE, PTOE[2]
Jonathan Duhe, PE, PTOE, RSP[2]
Clark Chauvin, PE, PTOE, PMP[2]
Charles Adams, PE, PTOE[2]
Ronald Kirk Gallien, PE, PTOE[2]
Katie Odenthal, PE, PTOE[2]
Seth Popay, EI[2]
Sheelagh Brin Ferlito, PE, PTOE (MPR 6)[3]
Laurence Lucius Lambert II, PE, PTOE, PTP (MPR 6)[3]
Reece Rodrigue, PE, PTOE, RSP1 (MPR 6)[3]
Kristen Farrington, PE, PTOE, RSP1 (MPR 6)[3]

Survey Services/ROW Support
Patrick C. Staiano, PLS (MPR 4)[4]
Bryan T. Bunch, PLS (MPR 5)[4]
Mike King, PLS[4]
Chris Harland, Jr., PLS[4]
Grant Gilleon, PLS[4]

Structural Design/Engineering
Eric Christiansen, PE, LEED AP (MPR 8)[1]
Brian LaFoy, PE, ENV SP[1]

Mechanical, Electrical, Lighting Design Services
Gabriel Benavides, Jr., PE[1]
Lizbeth Guerra, PE[1]
Christian Schade, PE[6]
M. Kimball Schlafly, PE (MPR 7)[6]

Intelligent Transportation Systems (ITS)
Tracy Forester[1]

Geotechnical Engineering/Testing
Megan Bourgeois, PE[5]
Robert Jewell, PE[5]
Robert Rousset, PE[5]
Ross McGillivray, PE[5]
Jamon King, PE[5]
Jessica N. Litt[5]
Donald Anthony[5]

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	Marcus Taylor, PE	Halff Associates, Inc.	PE #40539 - Civil PE #16932 - Civil	Louisiana Arkansas	9/30/26
2	Brandon Aillet, PE, CFM	Halff Associates, Inc.	PE #33402 - Civil PE #90842 - Civil PE #E-20724 - Civil	Louisiana Texas Nebraska	3/31/26 12/31/24 12/31/25
3	Brant B. Richard, PE	Halff Associates, Inc.	PE #28567 - Civil PE #17661 - Civil	Louisiana Mississippi	9/30/25 12/31/24
4	Patrick Staiano, PLS	NTB Associates, Inc.	PLS #5130 - Survey	Louisiana	9/30/25
5	Bryan Bunch, PLS	NTB Associates, Inc.	PLS #5014 - Survey	Louisiana	3/31/26
6	Sheelagh Brin Ferlito, PE, PTOE	Vectura Consulting Services, LLC	PE #0025383 - Civil	Louisiana	9/30/25
6	Laurence Lucius Lambert II, PE, PTOE, PTP	Vectura Consulting Services, LLC	PE #0029901 - Civil	Louisiana	3/31/26
6	Reece Rodrigue, PE, PTOE, RSP1	Vectura Consulting Services, LLC	PE #0042074 - Civil	Louisiana	3/31/26
6	Kristen Farrington, PE, PTOE, RSP1	Vectura Consulting Services, LLC	PE #0042785 - Civil	Louisiana	3/31/25
7	M. Kibmall Schlafly, PE	Marrero, Couvillon & Associates, L.L.C.	PE #27699 - Electrical Engineer	Louisiana	9/30/26
7	Christian Schade, PE	Marrero, Couvillon & Associates, L.L.C.	PE #32483 - Electrical Engineer	Louisiana	9/30/26
8	Eric Christiansen, PE, LEED AP	Halff Associates, Inc.	PE #40671 - Civil PE #85412 - Civil PE #88405 - Civil PE #31523 - Civil PE #19188 - Civil PE #18862 - Civil	Louisiana Texas Florida Oklahoma Arkansas New Mexico	9/30/26 6/30/25 2/28/25 10/31/25 12/31/24 12/31/24

16 Staff Experience

Firm Employed By	Halff		
Name	Brandon Aillet, PE, CFM	**Years of Relevant Experience with this Employer**	13
Title	Vice President | Operations Manager | Shreveport	**Years of Relevant Experience with Other Employer(s)**	13
Degree(s) / Years / Specialization	BS / 1998 / Civil Engineering		
Active Registration Number / State / Expiration Date	#33402 / LA / 03/31/26; #90842 / TX / 12/31/24; #E-20724 / NE / 12/31/25		
Year Registered	LA 07; TX 03; NE 24	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 2 and 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.

2013 - 2015	**Kings Highway Corridor Roadway Improvements | Shreveport, LA.** *Design Engineer.* This project was designed to 100% Final PS&E documents but was not constructed. Brandon was responsible for engineering design and plan production for the reconstruction of Linwood Avenue from Tulane Street to Kings Hwy, and Samford Avenue from St. Vincent Ave. to Kings Hwy. This project included pavement replacement of approximately 3,700 linear feet of 5-lane undivided and 4-lane divided roadway in the developed medical district surrounding Ochsner LSU Health Shreveport – Academic Medical Center. Project design sheets included: Roadway Typical Sections, Existing Conditions and Demolition, Pavement Plan & Profile, Enlarged Intersection Grading, Utility Relocation, Permanent Signage and Striping, Driveway Plan and Profile, Curb and Concrete Paver Details, and Cross-Sections.
2011 - 2012	**Jennings Street Roadway Replacement | Shreveport, LA.** *Design Engineer.* Responsible for the design and plan production of PS&E documents for the removal of an existing 2-lane roadway and the reconstruction of a 2-lane avenue with grassed median and storm drainage improvements. This project occurred within the Ochsner LSU Health Shreveport – Academic Medical Center campus, and included the location and design of security controlled drive-ways with gated access at three locations, and a new 8" water main, valves, and fire hydrants meeting City of Shreveport requirements. Brandon coordinat-ed the design with local subconsultants for survey, geotechnical, and electrical design services.
2007 - 2009	**Swan Lake Road Roadway Improvements | Bossier City, LA.** *Design Engineer.* Responsible for the design and plan production of PS&E documents for 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 sta-tion. Brandon prepared detailed sequence of construction plans that allowed two-way traffic to remain open during the life of the construction project
2018 - 2019	**Cleveland-Gibbs Road Cleveland-Gibb Road | Northlake, TX.** *Project Manager.* Responsible for managing the design of construction plans for the con-struction of Cleveland-Gibbs Road from FM 407 to Mulkey Lane, a four-lane divided thoroughfare approximately 5,400 linear feet in length. Only the north-bound two lanes were constructed with this segment, however the full design was required for confirmation of storm sewer, utility relocation, and grading elements. Brandon coordinated with the Towns of Corral City, Northlake, and TxDOT to satisfy all roadway design standards.
2016 - 2019	**City of Texarkana Forest Lake Estates | Texarkana, TX.** *Project Manager.* Responsible for overseeing the design of approximately 2 miles of concrete roadway in the Forest Lake Estates subdivision. Construction plans and specifications created for bid and construction included geometric layout, erosion control, paving typical sections, paving plan and profiles, drainage area maps and calculations, culvert design, signage and striping, and traffic sequencing. Halff prepared an opinion of probable construction costs, bid documents, and assisted the City throughout construction.

Firm Employed By	Halff		
Name	Brant B. Richard, PE	**Years of Relevant Experience with this Employer**	1
Title	Operations Manager | Baton Rouge	**Years of Relevant Experience with Other Employer(s)**	35
Degree(s) / Years / Specialization	BS / 1988 / Civil Engineering		
Active Registration Number / State / Expiration Date	#28567 / LA / 09/30/2025; #17661 / MS / 12/31/24		
Year Registered	LA 99; MS 06	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 1, 2, 3 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 (DOTD), is a testament to his wealth of expertise. His proven history, particularly in DOTD roadway design projects, is a vital qualification for his role as the principal in charge, overseeing every aspect of this pavement preservation project from conception to completion. He can oversee successful project development and has a track record of exceeding expectations regarding quality, integrity, and timeliness of deliverables. Client satisfaction is a key trait to his success, and he strives for the opportunity to prove with every project. His experience spans the design of transportation-related projects, from roadway design to overseeing and mentoring young engineers to managing a team of professional engineers. His comprehensive understanding of all the policies and procedures of DOTD enables him to bring the expertise needed to make this pavement preservation project a success.

3/13 - 8/13	**DOTD LA 520, Jct US 79 Widening | Claiborne Parish, LA H.010297.5.** *Project Principal.* 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	**DOTD LA 675 & LA 87 Improvements | Iberia Parish,New Iberia, LA H.011781.5.** *Project Principal.* Responsible for the roadway rehabilitation design and plan preparation for approximately 2.3 miles of urban roadways under a task order from the DOTD 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	**DOTD LA 64 & LA 1209 Overlay | East Baton Rouge Parish, Zachary, LA H.011703.5.** *Project Principal.* Responsible for the roadway rehabilitation design and plan preparation for approximately 6.7 miles of urban roadways under a task order from the DOTD 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	**DOTD Paths to Progress Program Groups 21, 24, 29 and 33 | New Orleans, LA H.009718 and H.009695.** *Project Principal.* Responsible for the roadway rehabilitation design and plan preparation for 10.8 miles of urban roadways in Jeff erson 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	**DOTD CMAR Alternative Delivery Support Services | Statewide, LA.** *Project Principal.* Responsible for assisting DOTD. Responsible for the development, preparation, and presentation/coordination with Stakeholders for the implementation of Construction Manager at Risk (CMAR) policies, proce-dures, and guidelines for use by DOTD.
01/23 - 04/24	**Hooper Road (LA 408) Improvements | East Baton Rouge Parish, LA (H.002316 / CP No 12-CS-HC-0017).** *Project Manager and Senior Engineer.* 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 DOTD guidelines. The project scope includes the widening of an existing 2-lane roadway to a 4-lane boulevard to increase capacity from Blackwater Road to Joor Road.

Firm Employed By	Halff		
Name	James Barr, PE	**Years of Relevant Experience with this Employer**	6
Title	Vice President | Director of Transportation	**Years of Relevant Experience with Other Employer(s)**	24
Degree(s) / Years / Specialization	BS / 1994 / Civil Engineering		
Active Registration Number / State / Expiration Date	#30858 / LA / 03/31/26; #9808 / AR / 12/31/24		
Year Registered	LA 2003 / AR 1999	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	QA/QC Manager		

Bio: James brings a wealth of transportation design experience to the team, encompassing all aspects of highway design. His expertise includes the design of horizontal and vertical geometry, roadway sections, interchange layouts, permanent pavement marking, pavement design, erosion control devices, and drainage structures. Additionally, James is skilled in traffic signal design, hydraulics, right of way and construction plan preparation, as well as project coordination and management.

03/21 - current	**Arkansas Department of Transportation (ARDOT) On-Call Design Springdale Bypass | Springdale, AR.** *Lead Engineer.* 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.** *Project Manager.* 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.** *Project Manager and Lead Engineer.* 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 60-ft concrete T-beam structure.
11/21 - 1/24	**ARDOT On-Call Design TO 038 (Pavement Preservation) | Statewide, AR.** *Principal-in-Charge.* 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.** *Lead Engineer.* Responsible for designing schematics 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 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.** *Lead Engineer.* 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.** *Project Manager.* Responsible for the on-call services contract for construction engineering and inspection services for utility and roadway improvement projects statewide. Work orders were issued for three supplemental services projects and two full-service construction management projects.

Firm Employed By	Halff		
Name	Marcus Taylor, PE	**Years of Relevant Experience with this Employer**	3
Title	Public Works Senior Team Lead	**Years of Relevant Experience with Other Employer(s)**	18
Degree(s) / Years / Specialization	BS / 2004 / Civil Engineering		
Active Registration Number / State / Expiration Date	#40539 / LA / 9/30/2026; #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 Deputy Project Manager		

Bio: Marcus is a civil engineer specializing in transportation and municipal public works project management. He has broad knowledge of roadway design, traffic control plans, drainage, and stormwater runoff. As a deputy project manager, Marcus helps oversee 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.** *Project Manager.* 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, traffic signal and intersection design, and roadway rehabilitation.
06/23 - Ongoing	**David Raines Road Rehabilitation | Shreveport, LA.** *Project Manager.* 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, Marcus was also responsible for coordinating with the relevant utility providers, managing the bidding process, and overseeing all aspects of the construction administration services.
05/23 - Ongoing	**Audrey Lane Road Rehabilitation | Shreveport, LA.** *Project Manager.* 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 the utility coordination and construction administration services.
05/22 – Ongoing	**Linwood Avenue Reconstruction, Phase 3 | Shreveport, LA.** *Project Manager.* Responsible for roadway improvements to replace concrete panels with sidewalks and incorporate ADA-accessible ramps at each intersection along Linwood Ave. from Mount Zion Road to West 84th Street. Coordination with DOTD was necessary for this project to access LA-3132.
10/22 - 11/24	**LA Highway 3 Traffic Study and Intersection Improvements | Benton, LA.** *Project Manager.* 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.
03/17 - 08/19	**Streetscape Improvements US 71 | Bossier City, LA.** *Project Engineer.* 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 sheer, 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.
03/16 – 01/17	**Highway Lighting LA HWY 71 (Barksdale Blvd) Phase II | Bossier City, LA.** *Project Engineer.* Responsible for developing lighting design plans, summary of quantities and engineering cost estimates along LA WAY 71 (Barksdale Blvd.). Worked with electrical sub and the City of Bossier City to develop plans to plan and locate 11,600 linear feet of wiring and lighting. Worked closely to coordinate with utility companies during the design phase of the projects.

Firm Employed By	Halff		
Name	German Velazquez, PE	**Years of Relevant Experience with this Employer**	<1
Title	Project Manager	**Years of Relevant Experience with Other Employer(s)**	8
Degree(s) / Years / Specialization	BS / 2016 / Civil Engineering		
Active Registration Number / State / Expiration Date	#46472 / LA / 09/30/24		
Year Registered	LA 2022	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Roadway Design/Engineering Lead		

Bio: German is a detail-oriented and organized professional with extensive experience in AutoCAD Civil 3D, HY-8 Culvert Analysis Software, and Hydraulic Toolbox. He excels in designing and analyzing complex infrastructure projects. His proficiency with Micro-station, Autoturn, and Inroads further enhances his ability to deliver precise and efficient solutions. German's meticulous attention to detail and exceptional organizational skills facilitate the successful execution of projects from conception to completion.

04/23 - 05/24	**DOTD LA 3049 Barton Drive - Whitfield Circle | Caddo Parish, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight, which included coordination with design, survey, and geotechnical teams. This pavement preservation project encompassed 4.2 miles of medium overlay, involving minor clearing and grubbing, milling 2 inches of asphalt concrete, placement of Class II base course, 3.5 inches of asphalt concrete pavement, asphalt leveling for cross-slope correction, slope grading, replacement of existing guardrail to the latest MASH standards, and new pavement markings.
03/23 - 12/23	**DOTD LA 3049, LA 3049 Cowhide Bayou to LA 530 | Caddo Parish, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight, which included coordination with design, survey, and geotechnical teams. This pavement preservation project encompassed 1.1 miles of thin overlay that included: milling asphalt concrete at tie in points, pavement patching, 2 inches of asphalt concrete pavement, slope grading, new pavement markings, guardrail replacement along 1 bridge to latest mash standards.
11/22 - 01/24	**DOTD LA 173, Left Turn Lanes at Russel Road | Caddo Parish, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight over the design team on this capacity improvement project. The project encompassed the need for left turn lanes at a signalized intersection. The project consisted of milling 2 inches of asphalt concrete, asphalt leveling course for superelevation corrections, placing 2 inches of asphalt concrete, new pavement marking configuration for left turn lanes.
12/22 - 12/23	**DOTD District 04 Chipseals, Western Parishes | Caddo, Bossier, Desoto Parishes, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight, which included coordination with design, survey, and geotechnical teams. This was a multiparish chipseal project that included 18.1 miles of chipseals, along with new pavement markings
10/22 - 06/23	**DOTD LA 159 Country Club Dr to Benson Rd | Webster Parish, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight, which included coordination with design team only. This pavement preservation project encompassed 6.4 miles of medium overlay. The project involved: milling 2 inches of asphalt concrete, placing 3.5 inches of asphalt concrete pavement, asphalt leveling for cross-slope correction, asphalt concrete patching, slope grading, guardrail replacement along 1 bridge to latest mash standards, and new pavement markings.
09/22 - 06/23	**DOTD LA 509 Desoto PL to LA 1 | Red River Parish, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight, which included coordination with design team only. This pavement preservation project encompassed 2.1 miles of thin overlay. The project involved: milling 2 inches of asphalt concrete, placing 2 inches of asphalt concrete pavement, asphalt concrete patching, slope grading, guardrail replacement along 3 bridge, and new pavement markings, and replacement of a failed drainage pipe with a precast concrete box culvert
04/23 - 02/24	**DOTD LA 3248 Naborton Loop | Red River Parish, LA.** *Program Delivery / Design Engineer.* Responsible for engineering oversight, which included coordination with design, survey, and geotechnical teams. This pavement preservation project encompassed 3.67 miles of in-place stabilization of the existing road. The project involved: milling asphalt concrete pavement, cement stabilization of the base, 5 inches of asphalt concrete pavement, slope grading, new pavement markings.

Firm Employed By	Halff		
Name	Morgan Harris, PE	**Years of Relevant Experience with this Employer**	2
Title	Project Manager	**Years of Relevant Experience with Other Employer(s)**	7
Degree(s) / Years / Specialization	BS / 2016 / Civil Engineering		
Active Registration Number / State / Expiration Date	#45310 / LA / 09/30/25; #21698 / AR / 12/31/24		
Year Registered	LA 2021 / AR 2023	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Roadway Design/Engineering		

Bio: Morgan is a skilled engineer with proficiency in inspecting various work items, managing teams of construction observers, completing daily work reports, paying contractors, and designing overlays using MicroStation. With a solid background in civil engineering, working primarily on DOTD projects, Morgan consistently provides the highest quality, efficiency, and safety standards for roadway construction projects. He possesses excellent leadership and communication skills, fostering a collaborative work environment and keeping his team on task. Morgan's expertise in MicroStation enables him to design overlays that enhance the functionality and aesthetics of transportation infrastructure. With a proven track record of delivering exceptional results, Morgan is dedicated to upholding the highest standards of professionalism and contributing to successful project outcomes.

01/17 - 03/23	**DOTD, LA 616 2-to-5 Lane Expansion from LA 143 to Caldwell Road | District 05, LA.** *Project Engineer.* Responsible for providing engineering oversight on a 3.5-mile project, including a two-to-five-lane expansion and four roundabouts. Harris wrote and approved change orders, analyzed elevations, reviewed and approved material tests, DWRs, and pay estimates, and recommended solutions to problems that arose on-site.
02/21 - 03/23	**DOTD, LA 3033 Cheniere Lake Spillway and Bridge Replacement | District 05, LA.** *Project Engineer.* Responsible for providing engineering oversight on the replacement of an existing bridge and spillway for a 3,200-acre lake. This project included the construction of four earthen cofferdams, a well-point system, a spillway, and a slab span bridge. Harris wrote and approved change orders, reviewed and approved pay estimates and project schedules, facilitated responses to RFIs, held bi-weekly meetings, and routinely spoke with elected officials to keep them updated on the status of the project.
12/22 - 03/23	**DOTD, LA 15 Chip Seal from US 425 to US 165 | District 05, LA.** *Project Engineer.* Responsible for providing engineering oversight on a 14-mile chip seal project that also included the removal and replacement of guard rails at four bridges. Harris wrote and approved change orders and pay estimates, responded to RFIs from the contractor, and effectively worked with the contractor to mitigate project delays and inconvenience for the traveling public caused by weather limitations.
04/22 - 9/22	**DOTD, LA 135 Rehab from LA 15 to Antioch Road | District 05, LA.** *Project Engineer.* Responsible for providing engineering oversight on a full rehabilitation of a 5-mile section of LA 135, including milling, a cement-stabilized base, and two lifts of asphalt. Harris wrote and approved change orders and pay estimates, reviewed and approved DWRs, material tests, and project schedules, and effectively communicated with the contractor.
03/22 - 07/22	**DOTD, Herman Dickerson Road Bridge over Antioch Creek Tributary | District 05, LA.** *Assistant Project Engineer.* Responsible for providing engineering oversight on the replacement of an off-system timber bridge with a slab span bridge. Mr. Harris wrote and approved change orders and pay estimates, reviewed and approved estimates, material tests, and project schedules, and communicated effectively with the contractor.
01/22 - 03/22	**DOTD, US 165 Lighting from Charleston Street to LA 15 | District 05, LA.** *Project Engineer.* Responsible for providing engineering oversight on the installation of streetlights in the median of US 165 to improve pedestrian safety. Mr. Harris wrote and approved change orders and pay estimates, reviewed and approved DWRs, material tests, and project schedules, responded to RFI's, and worked with the project manager and utility coordinator to resolve utility conflicts.
11/20 - 11/21	**DOTD, US 80 Bridge Replacement over I-20 | District 05, LA.** *Assistant Project Engineer.* 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.

Firm Employed By	Halff		
Name	Jared Boogaerts, PE, LSI	**Years of Relevant Experience with this Employer**	<1
Title	Senior Project Manager	**Years of Relevant Experience with Other Employer(s)**	12
Degree(s) / Years / Specialization	BS / 2012 / Civil Engineering		
Active Registration Number / State / Expiration Date	#41026 / LA / 03/31/25		
Year Registered	LA 2016	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Roadway Design/Engineering		

Bio: Jared is a senior project manager with extensive expertise in drainage and street design. He has successfully managed numerous projects across north Louisiana, specializing in hydrologic and hydraulic analyses, including watershed delineation, runoff routing investigations, adverse impact studies, detention design, and general site drainage design. Jared excels in creating comprehensive paving plans and effective erosion control measures, overseeing the development of sanitary sewer systems, and utility planning for both commercial and residential sites. Recognized for his authoritative knowledge, Jared has served as an expert witness in drainage-related lawsuits and is skilled in gage frequency analyses, runoff calculations using rational and SCS methods, and regional regression analysis, making him a valuable asset in the field of hydrologic and hydraulic engineering.

09/24 - current	**City of Shreveport Millennium Drainage Improvements | Shreveport, LA.** *Project Manager.* Responsible for evaluating the existing roadway drainage system to decide on modifications or replacements necessary to properly convey runoff for the new developments within this recent rehabilitation area of Shreveport. Currently leading a team of engineers to design drainage improvements and develop construction plans for the City of Shreveport to correct the issues.
10/22 - 04/23	**Dos Hermanos Road | Cotulla, TX.** *Project Manager.* Responsible for overseeing the surveying of the existing conditions, performing hydrologic and hydraulic analyses, designing the roadway (including typical section, vertical and horizontal alignment, low water crossings, and culvert crossings), developing an extensive phasing plan to minimize traffic congestion, and drafting construction documents conveying the design for this 3-mile stretch of road which is an extension of Briscoe Road (see below).
09/18 - 07/22	**Hummingbird Lane, Hills of Eastwood Subdivision | Bossier Parish, LA.** *Project Engineer.* Responsible for the design and creation of construction documents for a 0.8-mile asphalt road, including concrete curbs and gutters with concrete intersections. The natural landscape posed significant design challenges but collaborating with the Bossier Parish Police Jury (BPPJ) allowed for the development of typical sections, vertical and horizontal alignments, and subsurface drainage solutions to meet their standards. This roadway has now been built and approved by the BPPJ as a Parish Road.
10/16 - 04/18	**Briscoe Road | Cotulla, TX.** *Project Engineer.* Responsible for surveying the existing conditions, performing hydrologic and hydraulic analyses, designing the roadway (including typical section, vertical and horizontal alignment, low water crossings, and culvert crossings), developing an extensive phasing plan to minimize traffic congestion, and drafting construction documents conveying the design for a new 3-mile long well road.
08/13 - 02/14	**Woodmont Place Roadway Rehabilitation | Shreveport, LA.** *Project Designer.* Responsible for the survey and documentation of the existing conditions, development of a typical section, and preparation of construction plans. The plans included roadway alignment, joint details, demolition plans, and estimated quantities for the roadway rehabilitation in a residential neighborhood.

Firm Employed By	Halff		
Name	Eric Christiansen, PE, LEED AP	**Years of Relevant Experience with this Employer**	31
Title	Structural Team Leader	**Years of Relevant Experience with Other Employer(s)**	1
Degree(s) / Years / Specialization	MS / 1993 / Civil Engineering; BS / 1992 / Civil Engineering		
Active Registration Number / State / Expiration Date	#40671 / LA / 09/30/26; #85412 / TX / 06/30/25		
Year Registered	LA 2016 / TX 1999	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 8 and Structural Design/Engineering		

Bio: Eric has designed bridges, parking garages, light pole foundations, retaining walls of many varieties, and drainage elements such as junction boxes, culverts, and detention structures. His experience includes the design of structures in concrete (cast-in-place, post-tensioned, precast elements, composite members, pre-stressed elements), structural steel (braced frames, moment frames, horizontally curved bridge girders), light-gage metal studs, timber, and reinforced masonry. He also has an extensive background in the application of computer methods, including finite element techniques for the design and analysis of structures.

03/21 - current	**Arkansas Department of Transportation On-Call Design Springdale Bypass | Springdale, AR.** *Structural Task Lead.* Responsible for the design of 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.** *Structural QA/QC Manager.* 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.** *Structural Task Lead.* Responsible for the bridge structures and retaining walls associated with the construction of a new mainlane tollway facility between existing frontage roads from West of Frontier Parkway to FM 428.
10/18 - 08/23	**Frisco/Dallas Parkway Improvements | Frisco, TX.** *Structural Task Lead.* 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.** *Structural Task Lead.* 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.** *QA/QC Manager.* 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.** *QA/QC Manager.* Responsible for providing QA/QC and overseeing design services for the removal of three load-rated off-system bridges with new DOTD standard bridges and box culverts. Woolworth Road is vital to the Parish, as a middle school and solid waste landfill site are located on the road. Halff determined the existing 100-year runoff rates, determined the grading, bridge spans, and culvert sizes, and determined potential water level rise.
11/04 - 03/06	**TxDOT Dallas District IH 35E HOV Lanes and IH 35W Frontage Roads | Dallas, TX.** *Lead Bridge Engineer.* Responsible for the design of four bridges and retailing walls associated with the construction of a 1.5-mile IH 35E project involved widening the existing facility to include four bridges, traffic control, retaining walls, signage, striping, and related work. The IH 35W Frontage Roads included preparation of two EAs, two schematics, access justification study, bridge design, paving, grading and drainage design, and other related items.

Firm Employed By	Halff		
Name	Brian LaFoy, PE, ENV SP	**Years of Relevant Experience with this Employer**	<1
Title	North Texas Market Leader	**Years of Relevant Experience with Other Employer(s)**	31
Degree(s) / Years / Specialization	Master of Engineering / 2008 / Structures and Applied Science; BS / 1993 / Civil Engineering		
Active Registration Number / State / Expiration Date	#PE.0031965 / LA / 03/31/26; #89363/ TX / 12/31/24		
Year Registered	LA 2005 / TX 2000	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Structural Design/Engineering		

Bio: Brian's structural expertise spans feasibility, programming, planning, design, rehabilitation, demolition, and forensics. Notable projects he has led include the Lake Pontchartrain Causeway Bridge rehabilitation post-Hurricane Katrina, the GEXA Energy Entertainment Pavilion at the State Fair of Texas, the Houston Street Viaduct Historic Bridge in Dallas, the Old Iron Bridge over the Colorado River in Bastrop, and planning for the Tesla Gigafactory near Austin. He is experienced with Accelerated Bridge Construction (ABC) methods and holds U.S. patents for his structural rehabilitation designs.

02/13 - 10/23	**DOTD, Bert Kouns Overpass Bridge Repair | Caddo Parish, LA.** *Structural Engineer.* Responsible for designing the tub girder repair method after a tractor-trailer hauling construction equipment hit the bridge, damaging the girder. Brian designed the accelerated bridge construction method to hydro blast the deck, cut the tub girder, and install a counterbalance to dampen the rebound effects of the remaining span.
7/20 - 4/23	**TxDOT SH 130 Toll Concessions Company | SH 130, Buda, TX.** *Program Manager / Structural Engineer.* Responsible for Segments 5 and 6 of the SH 130 high-speed toll road between Highway 71 in Austin and IH 10 (47 miles and 105 bridge structures under TxDOT oversight). Tasks included bridge inspection and condition assessment, repair/rehabilitation/maintenance prioritization, conceptual cost development, design, procurement assistance, development of contract documents, scheduling, development of maintenance of traffic plans and protocols, life cycle analysis, construction phase support including inspection, and programming support for development, and facilitation of a capital program.
9/13 - 4/15	**TxDOT Houston Street Viaduct Rehabilitation | Dallas, TX.** *Project Manager / Structural Engineer.* Responsible for the evaluation and rehabilitation of Phases II and III of this nearly mile-long, 40-span open spandrel concrete arch historic bridge in downtown Dallas across the Trinity River, IH 35, UPRR, Riverfront Drive, and the Pavaho Pump Station. Brian not only led the evaluation and design for this $10 million rehabilitation effort, but he also developed maintenance traffic plans and phasing for work over IH 35, UPRR, and Riverfront Drive during the construction of the downtown Horseshoe Project, as well as designed innovative design concepts to improve load ratings and accelerate construction. Also developed metrics for the owner for future planning, budgeting, and maintenance of the structure.
08/14 - 10/14	**DOTD, Ouachita River Bridge | Ouachita Parish, LA.** *Structural Engineer.* Responsible for designing the jacking plans for all the bridge structure main lanes and ramp structures.
04/13 - 07/14	**DOTD, Lake Pontchartrain Causeway Bridge | Metairie, LA.** *Structural Engineer.* Responsible for the rehabilitation methods and span movement of the bridge turnarounds following Hurricane Katrina. The project involved designing methods to repair the damaged bridge spans as well as design methods to move them back into place.
03/10 - 06/10	**DOTD, Well Road Bridge Replacement | West Monroe, LA.** *Structural Engineer.* Responsible for the design of the movement plan and temporary bridge structure to replace the four-span bridge across IH-20. Brian designed the accelerated bridge construction methods using SPMTs (self-propelled mobile transports) to precast the spans and move them into place. The entire project only took several days and was the first of its kind in Louisiana.
04/09 - 06/09	**DOTD, Jimmie Davis (Route LA 511) Bridge Repairs | Caddo Parrish and Bossier Parish, LA.** *Structural Engineer.* Responsible for designing the jacking plans to raise the existing bridge structures.
07/07 - 10/07	**DOTD, Sawmill Girder Replacement | Caddo Parish, LA.** *Structural Engineer.* Responsible for designing the accelerated bridge construction method to remove a single prestressed concrete beam (and connected deck/diaphragm section) that had been hit and damaged by a tractor-trailer.
05/04 - 10/05	**TxDOT IH 30 / IH 45 Bridge Rehabilitations | Dallas, TX.** *Project Manager / Structural Engineer.* Responsible for the rehabilitation of Interstate 30 and Interstate 45 bridges in Downtown Dallas. The key tasks included developing systems to be able to perform the repairs under live load so the interstates didn't need to shut down or lanes closed for repairs.

Firm Employed By	Halff		
Name	Scott Rushing, PE, CFM	**Years of Relevant Experience with this Employer**	16
Title	Water Resources Team Leader	**Years of Relevant Experience with Other Employer(s)**	N/A
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering		
Active Registration Number / State / Expiration Date	#114519 / TX / 03/31/25		
Year Registered	TX 2013	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Hydrologic and Hydraulic Design		

Bio: Scott has performed on/off system bridge hydraulic designs in 9 districts across Texas and has 16 years of experience modeling FEMA Zone AE streams for TxDOT and municipal/federal clients. He is proficient in using HEC-HMS, HEC-RAS, and 2D modeling packages such as XPSWMM and InfoWorks ICM. He has experience using numerous hydrologic methods, including stream gage analysis to compute and validate design flows for hydraulic bridge design. Scott will work directly with the roadway and bridge design leads to simulate the proposed bridge geometry in HEC-RAS to confirm compliance with design criteria and mitigate potential adverse impacts to water surface elevations and channel velocities to adjacent property owners.

08/15 - 01/25 (est.)	**TxDOT Dallas District (SEP) FM 148 | Kaufman County, TX.** *Hydraulic Task Leader.* Responsible for aiding in the design of the roadway profile and determining appropriate bridge class culvert sizes to handle the design frequency storm along a FEMA Zone A stream. Developed a hydrologic model utilizing HEC-HMS, which incorporated simulation and routing through a substantial upstream NRCS reservoir to precisely establish design discharges at the project site. Additionally, coordinated with the local floodplain administrator to comply with regional criteria and aimed to reduce drainage easement stipulations to alleviate hydraulic and erosion impacts.
01/21 - 01/25 (est.)	**TxDOT Fort Worth District (PS&E) North White Chapel Road | Southlake, TX.** *Bridge Hydraulic Design Lead.* Responsible for overseeing hydraulic model development and alternative design analysis for an off-system bridge replacement along the Kirkwood Branch at North White Chapel Road. Project included limited ROW and multiple utility crossings, including a sanitary sewer main and lift station. Local officials frequently closed the road due to flooding, and a previous high-water rescue occurred at the crossing. A FEMA Conditional Letter of Map Revision (CLOMR) was submitted and approved due to encroachment on the effective Zone AE Floodway.
05/23 - 12/24 (est.)	**TxDOT Fort Worth District (PS&E) CR 4668 | Wise County, TX.** *Hydraulic Task Leader.* Responsible for overseeing hydraulic model development and alternative design analysis for an off-system bridge replacement along the West Fork Trinity River at County Road 4668. The current effective mapping was FEMA Zone A with no available FEMA models. Hydrology was leveraged from the USACE Trinity River Watershed Hydrology Assessment. A new HEC-RAS hydraulic model was developed using 2019 TNRIS Lidar data, as-built plans, and surveys. A 2D hydraulic model was developed to understand existing flow patterns, support scour analysis, and inform a 1D HEC-RAS model for design. The alternative analysis included coordination with multiple entities including TxDOT, North Central Texas Council of Governments, Tarrant Regional Water District, and Wise County, and an evaluation of ROW and environmental impacts.
07/17 - 01/24	**TxDOT Yoakum District (PS&E) FM 109 | Colorado and Austin Counties, TX.** *Hydraulic Task Leader.* Responsible for H&H analysis/design for the widening, rehabilitation, and resurfacing of the existing 2-lane rural section of FM 109. The corridor required evaluation of three separate bridges along designated Zone A streams and needed to be completed within a very tight schedule. Scott developed HEC-HMS and HEC-RAS models to confirm no adverse impact outside TxDOT ROW per TxDOT, FEMA, and local drainage criteria. He performed multiple hydrologic methods using Atlas 14 rainfall depths and verified final discharges with available stream gauge data. The drainage reports were all approved with no comments, meeting the project design schedule.
05/19 -12/19	**TxDOT Atlanta District (PS&E) Gibson Lane | Texarkana, TX.** *Hydraulic Task Leader.* Responsible for hydraulic analysis and erosion design for a new off-system bridge over a Zone AE floodplain in Texarkana, TX. Leveraged existing FEMA models and coordinated with the roadway and bridge design leads to ensure TxDOT and local standards were met for freeboard and design storm frequency. The design minimized the required mitigation, drainage easement acquisition, and environmental impact to meet NWP 14 for linear transportation projects. Erosion countermeasures were designed per HEC-23 guidance, and a no-rise memo for FEMA documentation was provided.

Firm Employed By	Halff		
Name	Victor Bivens, PE, CFM	**Years of Relevant Experience with this Employer**	6
Title	Water Resources Team Leader	**Years of Relevant Experience with Other Employer(s)**	N/A
Degree(s) / Years / Specialization	MS / 2020 / Civil Engineering; BS / 2018 / Civil Engineering		
Active Registration Number / State / Expiration Date	#PE.0047761 / LA / 09/30/25; CFM #US-24-13061 / LA		
Year Registered	LA 2023	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Hydrologic and Hydraulic Design		

Bio: Victor is a skilled professional with vast experience in Base Level Engineering modeling and management using both 1D and 2D HEC-RAS modeling approaches. He has effectively led a team of modelers to improve 2D models, providing a more detailed assessment of alternative mitigation strategies. Prior to his extensive work in watershed modeling, Victor focused on public works and site development projects, including roadway improvements, residential subdivision developments, and storm drain infrastructure designs.

04/20 - 03/21	**Royston Lane | Pflugerville, TX.** *Design Engineer.* Responsible for the H&H analysis, engineering, and drainage design for a 2,000-foot storm sewer system with twenty-five curb inlets and triple box culverts, which was installed to efficiently manage stormwater and mitigate creek flooding for 3,200 linear feet of a new three-lane concrete curbed roadway.
08/22 - 01-24	**Rapides Area Planning Commission Transportation Resiliency Project, Phase II | Alexandria, LA.** *Project Manager.* Responsible for leading the team in 2D model enhancement through improving land use, terrain, precipitation, and other base file incorporation, and surveyed structure implementation within the model at hydraulically significant structures. Also led stakeholder coordination and outreach efforts to gain local knowledge of flood risk and historic damages caused by flooding. The project objectives were to create a detailed 2D model and utilize it to assess stormwater mitigation alternatives for transportation resiliency improvements within the Metropolitan Planning Area. These alternatives will be analyzed and submitted for grant pursuit soon.
6/18 - 1/24	**Pecan Plantation Miscellaneous Drainage | Granbury, TX.** *Engineer.* Responsible for designing and planning production for two separate drainage improvement projects within the Pecan Plantation HOA subdivision. Drainage improvements range from ditch re-grading, ditch concrete paving and widening, and culvert upsizing and installation. The project design included analyzing existing drainage conditions, determining drainage areas, and using CulvertMaster, Flowmaster, and AutoCAD Storm Sewer Design to model proposed drainage improvements.
10/16 - 1/24	**Cleveland-Gibbs Road Reconstruction | Northlake, TX.** *Engineer.* Responsible for the design of construction plans for the construction of Cleveland-Gibbs Road, a four-lane divided thoroughfare approximately 5,400 linear feet in length. Cleveland-Gibbs Road begins at FM 407 and extends south approximately 4,300 linear feet to just north of Mulkey Lane. Only the northbound two lanes will be constructed with this segment. The project also includes Cleveland-Gibbs Road starting at FM 1171 and extends north approximately 1,100 linear feet. Only the two southbound lanes will be constructed with this segment. The design includes paving and drainage improvements. Other key elements include coordination with the Town of Corral City and TxDOT.
11/16 - 1/24	**Forest Lake Estates | Texarkana, TX.** *Engineer.* Responsible for the roadway design of approximately two miles of concrete roadway in the Forest Lake Estates subdivision. The design consisted of Portland cement with lime-treated sub-bas and asphalt overlay alternatives. Construction plans and specifications were created for bid and construction including geometric layout, erosion control, paving typical sections, paving plan and profiles, stormwater drainage design and drainage area maps and calculations, culvert design, signage and striping, and traffic sequencing.
10/21 - 09/23	**DOTD, Rapides Parish Pilot Project | Alexandria, LA.** *Engineer.* Responsible for survey area prioritization by comparing available effective mapping, historic flooding data, and approximate density of structures collected per mile driven then led mobile lidar dispatch coordination based on initial findings. Guided staff on heat map creation for future planning use and reporting of all findings.
08/16 - 11/17	**Woolworth Road Bridge Replacement | Caddo Parish, LA.** *Designer.* As an engineering intern, assisted in the plan preparation, and bid document preparation for the replacement of three off-system bridges located in Caddo Parish. The proposed bridges were 7-span, 9-span, and three 8'x8' box culverts. The bridges span sections of Brushy Bayou, and the bayou cross sections were modeled with HEC-RAS for design stormwater elevation and scour protection.

Firm Employed By	Halff		
Name	Lee Nichols	**Years of Relevant Experience with this Employer**	4
Title	Senior Transportation Planner	**Years of Relevant Experience with Other Employer(s)**	22
Degree(s) / Years / Specialization	Master of City & Regional Planning / 2004 / City & Regional Planning; BS / 1998 / Forest Management		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	**Discipline**	Planner
Contract Role(s) / Brief Description of Responsibilities	Transit/Transportation Planning		

Bio: Lee is a Project Manager/Senior Transportation Planner with over two decades of experience in transportation planning, including corridor studies, parking studies, transit systems planning, alternatives analysis, and FTA New/Small Starts process. Lee has served as a project manager, deputy project manager, task leader, and senior planner on several regional transportation plans and corridor studies within Minnesota, Texas, and Oklahoma. Activities have included development of evaluation criteria, preparation of documents, public presentations, and recommendations.

09/24 - Ongoing	**McCart Avenue Corridor Design | Fort Worth, TX.** *Deputy Project Manager.* Responsible for the 10-mile southern section of McCart Avenue in Fort Worth. The plan will develop a set of context-sensitive corridor projects and policies to address future cross-sections, access management, multi-modal transportation elements (including transit), safety improvements, operational improvements, and recommendations for a private realm built-form that supports different modes of transportation and a sense of place. The study will advance economic and community development concepts and strategies for a mixed-use corridor with nodes of varying scales. The City is envisioning the corridor to be a "Hot Corridor" that includes the advanced technological infrastructure, including fiber conduit vaults, E/V charging, premium transit amenities, wifi, next generation traffic signals, and other smart city improvements.
05/23 - Ongoing	**CapMetro General Planning Consultant (GPC) Services | Austin, TX.** *Deputy Project Manager.Through this task order-based contract, Lee is working with the Project Manager to lead a multidisciplinary team of planners, engineers, and modelers to develop comprehensive solutions to elevate public transportation in the CapMetro service area.* Our team is working with CapMetro to implement components of Project Connect, in conjunction with ATP. To date our GPC team has completed the following task orders: • Organizational Assessment and Staffing Model • Analysis and Evaluation of Existing and Proposed Pickup Zones and Resources • MetroBike Strategic Expansion Plan Phase II
06/17 - 10/17	**United and Children's Hospital Transportation Planning and Engineering Services for the Riverview Corridor | Saint Paul, MN.** *Project Manager.* Project Manager for a Planning and Engineering Services Study for United Hospital, part of Allina Health, and Children's Hospital. to obtain impact information related to the potential implementation of an Arterial Bus Rapid Transit (ABRT) or Modern Streetcar along Smith Avenue and/or West 7th Street within the Riverview Corridor. The proposed ABRT and/or Streetcar alignment ran adjacent to the Hospital where highly sensitive equipment and neonatal operating rooms were present. Provided a technical overview of the project that included a noise and vibration analysis, traffic study, utility analysis, structural analysis, bicycle and pedestrian access analysis and agency engagement.
06/04 - 12/05	**Oklahoma Fixed Guideway Study | Oklahoma City, OK.** *Senior Planner.* The Fixed Guideway Study (FGS) provided a unique opportunity to identify futuristic guideway transportation systems like bus rapid transit, light rail transit, highway occupancy vehicle lanes, and other potential transportation solutions that would improve connections among greater Oklahoma City's growth centers, help spur economic development opportunities, improve mobility, expand transportation options, and improve air quality. The Study created a 25-year Transit System Plan that identified future Commuter Rail, Bus Rapid Transit, and a Modern Streetcar route with an underlying bus network to support the high-capacity transit network. Completed in 2005, the FGS is still relevant nearly 20 years later. Each corridor in the FGS has undergone an Alternatives Analysis with two corridors in operation – the downtown Modern Streetcar (opened in 2018), and the Northwest BRT, RAPID (opened in 2023).
09/12 - 03/16	**MAPS 3 Modern Streetcar | Oklahoma City, OK.** *Project Manager.* Provided professional planning and engineering for the implementation of a 5.6-mile Modern Streetcar in downtown Oklahoma City. Was Project Manager for final route selection, storage and maintenance facility site selection, conceptual engineering, station location and vehicle and rail procurement. Managed multiple task orders along with multiple subconsultants. Led the community engagement effort which included coordination with City Council, MAPS 3 Board and Transit Subcommittee, downtown stakeholders, and general public.

Firm Employed By	Halff		
Name	Javier Argüello, Assoc. AIA, CNU-A	**Years of Relevant Experience with this Employer**	3
Title	Transportation Deputy Practice Leader, Transit	**Years of Relevant Experience with Other Employer(s)**	38
Degree(s) / Years / Specialization	Master of Planning / 1997 / Planning; Master of Architecture / 1997 / Architecture; Bachelor of Architecture / 1985 / Architecture		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	**Discipline**	Planner
Contract Role(s) / Brief Description of Responsibilities	Transit Facilities		

Bio: Javier is responsible for developing market strategies to place Half as a trusted Planning and Engineering Consultant to Transit Agencies in Arkansas, Florida, Texas, Louisiana, and Oklahoma. Javier is seeking to increase the participation of Halff's professionals in the Transit Industry by providing a multidisciplinary approach to planning, design, and implementation of Transit Facilities. As a public servant and a member of the Capital Metropolitan Transportation Authority's family, (Capital Metro), Javier served as Director of Long-Range Planning and Transit-Oriented Development.

09/20 - Ongoing	**CapMetro General Planning Contract | Austin, TX.** *Program Manager.* Responsible for leading a multidisciplinary team of planners, engineers, and modelers to develop comprehensive solutions to elevate public transportation in the CapMetro service area. The Halff Team is working with CapMetro to implement components of Project Connect in conjunction with Austin Transit Partnership (ATP). To date, the Halff GPC team has completed the following task orders: Organizational Assessment and Staffing Model: Responsible for analyzing the current staffing levels at CapMetro to guarantee resources with the appropriate skill sets are aligned with the Authority's strategic priorities, and for developing a sustainable and efficient plan for future growth. Analysis and Evaluation of Existing and Proposed Pickup Zones and Resources: The Halff Team was assigned four tasks: reviewing and analyzing existing and proposed pickup zones, inventorying existing pickup resources, reviewing and analyzing future pickup resources, and creating a ten-year implementation plan for the pickup service. MetroBike Strategic Expansion Plan Phase II (currently ongoing): Responsible for validating the strategic prioritization framework established in Phase I and applying it to Phase II. This includes formulating strategic recommendations to optimize operational and financial impacts while aligning with ongoing regional multi-modal planning processes. Halff is overseeing public engagement efforts, collaborating with Community Connectors, CapMetro, and City of Austin staff to gather valuable feedback to make the expansion plan inclusive and reflective of community priorities and visions, ultimately driving the success of the MetroBike system expansion.
05/14 - 09/18	**CapMetro Project Connect | Austin, TX.** *Program Manager.* While employed at CapMetro as the Director of Long-Range Planning and Transit-Oriented Development, Javier led the team (staff and consultants) responsible for developing the 2018 Project Connect Vision Plan supported by the community, a long-range transit system plan. The 2018 Project Connect plan was the basis for creating a system of high-capacity transit options that will connect people, places, and opportunities in an affordable, efficient, and sustainable way. The Project Connect Vision Plan focused on identifying and evaluating potential transit projects. Under the direction of Javier, CapMetro worked with local agencies, stakeholders, and the public to identify high-capacity transit solutions that will offer options for travel into, out of, and around Central Austin
08/23 - 10/16	**CapMetro Downtown Station | Austin, TX.** *Director of Long-Range Planning.* Developed an initiative to secure funding and renovate the existing Downtown Station serving as the terminal station for the existing MetroRail Red Line. The station is conveniently located outside the Austin Convention Center and was designed and constructed as a temporary station due to time and resource constraints within the original MetroRail Red Line Project. The MetroRail Red Line, Capital Metro's 32-mile commuter rail service from downtown Austin to Leander, is at capacity. The success of the MetroRail Red Line reflects the growing desire for transit in Central Texas. This project has aimed to develop a multimodal station that can accommodate current and future MetroRail services, connect that service with other modes, and create a great public space that builds upon and further improves the downtown Austin community.
1/21 - 11/21	**CapMetro Orange Line | Austin, TX.** *Project Manager.* Led the development of the 30% Preliminary Engineering efforts in support of the NEPA process for the Orange Line Light Rail project. The team was responsible for horizontal and vertical profiles for track and road design as well as stormwater and structural design of 9.75 miles of the alignment. Provided multi-agency design coordination and supported public involvement for the alignment of Segment 1 and Segment 2.

Firm Employed By	Halff		
Name	Marc Zak, PLA, LI, RAS	**Years of Relevant Experience with this Employer**	3
Title	Landscape Architect Senior Project Manager	**Years of Relevant Experience with Other Employer(s)**	20
Degree(s) / Years / Specialization	Bachelor of Landscape Architecture / 2002 / Landscape Architecture		
Active Registration Number / State / Expiration Date	Professional Landscape Architect #2339 / TX / 6/30/25; Licensed Irrigator #24532 / TX / 11/30/24; Registered Accessibility Specialist #1540 / TX / 1/21/25		
Year Registered	PLA 2006; LI 2018; RAS 2018	**Discipline**	Planner
Contract Role(s) / Brief Description of Responsibilities	ADA / Pedestrian Facilities		

Bio: Marc has provided professional services for a variety of public work projects including park and recreation design, trail planning and design, and commercial and residential developments. His professional focus has been the detailed design of many park projects and every aspect of park design. Marc has led the production of high-quality park and trail plans and has been responsible for project coordination between all team members to make sure that schedules are met. His responsibilities have included construction cost estimations to develop bid packages that are within construction budget, along with providing extensive construction oversight to confirm construction meets the client's vision.

06/22 - 10/24	**Childsafe Trail Construction | San Antonio, TX.** *Project Manager.* Responsible for construction observation for trail connection to the Salado Creek Greenway. Trail connection is length 0.50 mile. Construction observation included the accurate installation per the construction documents, so that strict archeological requirements were met.
08/22 - 10/22	**Caracol Creek Park Trail Master Plan | San Antonio, TX.** *Project Manager.* This project involved developing the Trails Master Plan for Caracol Park. Services included identifying trailheads, trail nodes, low water crossings, and trail routes.
11/22 - 03/24	**Salado Trail SE Military Construction | San Antonio, TX.** *Project Manager.* Responsible for construction observation and inspections of the trail installation. This project is 0.70 miles long and includes two pedestrian bridges, a trail head with porous pavement parking, and trail signage. The trail was placed to ease impacts to the existing terrain while meeting the slope requirements for ADA accessibility. The number of existing heritage trees also required careful oversight to avoid impacts.
11/22 - 04/23	**Brook Hollow Library Parking Lot | San Antonio, TX.** *Project Manager.* This project involved the development of the new parking lot for the Brook Hollow Library. Services included design of the parking layout (47 spaces), landscape, irrigation, lighting, wifi and infrastructure.
04/23 - 10/24	**McAllister Park | San Antonio, TX.** *Project Manager.* Responsible for the oversight of park improvements. The improvements for this project include the expansion of the existing bicycle facility for intermediate and advanced riders and additional improvements include exercise nodes and wildlife troughs.
02/23 - 10/24	**New Regional Park Phase 1, District 6 | San Antonio, TX.** *Project Manager.* Responsible for the oversight of this new City of San Antonio Park, which includes concept master planning, public engagement, and design services through construction. This project is currently in the concept master planning and public engagement phases.
10/22 - 08/23	**Brownsville Public Utility Board Town Resaca Improvements | Brownsville, TX.** *Planner.* Project includes structural and eco-friendly resaca bank improvements, replacement of two weir control structures, replacement of gate vale flow control structure, and the installation of twelve (12) stormwater interceptor units.
11/22 - 04/23	**City of San Antonio Semmes Library Modifications | San Antonio, TX.** *Planner.* This project involved site investigation of settlement and cracking at the Semmes Library north patio area.
06/24 - 10/24	**City of San Antonio District 4 Solar Walk at Pearsall Park | San Antonio, TX.** *Planner.* Responsible for collaborating with a project artist to provide structural engineering and details to the design submitted through a contest. The project included developing structural details for the 9 planets and sun of different scales and complexities to sit on an existing landfill park site. Halff collaborated closely with the artist to ensure the vision stayed true to his design as well as an anticipated fabricator to ensure the components of each structure were constructable and connected for easy field installation while still maintaining the structural integrity.

Firm Employed By	Halff		
Name	Jordan Evans, AICP, CNU-A	**Years of Relevant Experience with this Employer**	2
Title	Associate Planner	**Years of Relevant Experience with Other Employer(s)**	7
Degree(s) / Years / Specialization	MPA / 2018 / Public and Nonprofit Management; BA / 2016 / History		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	**Discipline**	Planner
Contract Role(s) / Brief Description of Responsibilities	Active Transportation		

Bio: . Jordan has public-sector planning and public engagement experience. He has served as a transportation planner for Central Oklahoma's MPO, providing multimodal planning guidance to area communities, engaging the public on active transportation programs, and providing mapping and technical support for regional planning efforts. As an Associate Planner with Halff's Planning and Landscape Architecture practice, Jordan is responsible for aiding in the firm's parks and recreation, active transportation, and comprehensive planning initiatives.

01/23 - 01/23	**City of Richardson Active Transportation Master Plan | Richardson, TX.** *Planner.* Responsible for planning support for the active transportation master plan update. Building on the City's recognized success in investing in bicycle and pedestrian infrastructure, the updated plan provides Richardson with a retooled work program for eliminating barriers to biking, walking and rolling in the city. The active transportation planning process included multiple online and in-person tools to identify residents most pressing bicycling and walking needs and includes "catalytic" design concepts for overcoming active mobility challenges that can be applied throughout Richardson. The new active transportation plan serves as the City's blueprint for creating a walking, biking and rolling culture throughout the community.
01/23 - 05/24	**City of Cabot Active Transportation Trail Plan | Cabot, TX.** *Planner.* Responsible for conducting the transportation network analysis and providing recommendations for new trail and bikeway facilities for the City of Cabot. The Plan included reviewing existing conditions, performing a network opportunity analysis, and providing recommendations for new facility design and placement across the City. The Plan considered the recreational benefits of the trail and bikeway network in addition to the transportation needs of residents.
01/23 - 08/23	**City of Pauls Valley Parks Master Plan | Pauls Valley, OK.** *Planner.* Responsible for the City's first parks and recreation master plan. The final master plan will provide a prioritized list of investments and activities to support the City's provision of recreational services to the community. The plan also included a conceptual site plan for public recreational facilities at municipally-owned lakes.
10/23 - 11/24	**City of Bartlesville Comprehensive Plan | Bartlesville, TX.** *Planner.* Halff is leading the comprehensive planning process for the City of Bartlesville, the twelfth largest community in Oklahoma with more than 37,000 residents within 22.5 square miles. The Comprehensive Plan will provide guidance for the physical, economic, and social development of the City. This effort is working to further identify what makes the City unique, establishing the vision of what Bartlesville wants to become in the future, and determining how the City achieves that vision through ongoing execution of a multi-year work program.
02/23 - 02/23	**City of Lawton Lakes Master Plan | Lawton, OK.** *Planner.* This project involved a master plan for both Lake Lawtonka and Lake Ellsworth in Lawton, Oklahoma. The purpose of this master plan was to develop a vision for the lakes, identify options for enhancements and provide residents an opportunity to provide input. The plan was intended to be a guide for the City to fund and develop the lakes over several decades.
08/23 - 09/23	**Corpus Christi Metropolitan Planning Organization Regional Safety | Corpus Christi, TX.** *Planner.* Halff led the development of a Regional Safety Action Plan that met the components established by the Safe Streets and Roads for All. The Study Area encompassed the MPO boundary along with the two-county area of San Patricio and Nueces. The goal of this study was to identify a set of projects, strategies, and programs that could address crash safety concerns at intersections and along corridors.
01/23 - 04/23	**City of Shawnee Twin Lakes Master Plan | Shawnee, OK.** *Planner.* This project involved the master plan for Shawnee Twin Lakes will augment the City of Shawnee 2040 Comprehensive Plan. The purpose of the planning process and resulting plan document was to guide the future of Shawnee Twin Lakes development over the next 10-20 years. The plan was expected to state guiding principles and the city's vision for the lake areas. The plan addressed land use, natural resources, transportation and utility infrastructure, community facilities, telecommunications and technology, housing, economic development, community design, and emergency services.

Firm Employed By	Halff		
Name	Brad Johnson	**Years of Relevant Experience with this Employer**	1
Title	Planning/Landscape Architecture Team Leader	**Years of Relevant Experience with Other Employer(s)**	17
Degree(s) / Years / Specialization	MA / 2005 / Urban and Regional Planning; BS / 2002 / Geography		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	**Discipline**	Planner
Contract Role(s) / Brief Description of Responsibilities	Transit-Oriented Development		

Bio: Brad Johnson has an extensive background in planning and urban design in the private and public sectors with experience working on special area plans, citywide plans, site planning, public realm design, zoning, urban design guidelines, development review, design review systems, environmental review and historic preservation. Brad's versatile skillset uniquely qualifies him to oversee complex, multi-disciplinary planning and design projects. Prior to joining Halff, Brad served as Principal Planner for the City and County of Denver, Colorado. His experience working for a municipality and his efforts on complex code amendments give Brad an understanding of the challenges in balancing the objectives of stakeholders, city councils, and internal partners within this intricate planning process.

08/23 - 06/24	**City of Liberty Hill Downtown Masterplan | Liberty Hill, TX.** *QA/QC Manager and Team Leader.* Responsible for the QA/QC for a downtown master plan for the City of Liberty Hill, Texas. The master plan provides a 10-year outlook for revitalization of the downtown area with a focus on Main Street that includes outlines for land use and urban design framework, concepts for improved mobility and placemaking strategies and an implementation action plan.
11/23 - 11/24	**City of Richland Hills 2023 Comprehensive Plan Update | Richland Hills, TX.** *QA/QC Manager.* Responsible for the strategic oversight related to urban design on this project to update Richland Hills' comprehensive plan in a manner that shifts focus to redevelopment. With the City largely built out, decision makers and staff wished to amend the comprehensive plan to speak more to redevelopment scenarios. The effort will focus around providing clear guidance for regulatory changes that result in design excellence, sensitivity to context, and economic benefit. The effort includes analysis of two catalyst sites to test and inform policies under consideration in the process. Given the small size of Richland Hills and focus on redevelopment, Halff is taking an context-based, area plan approach to this citywide plan. This includes developing tailored land use, design and mobility recommendations for varying corridors and residential neighborhoods.
10/23 - 05/24	**TxDOT SH 16 (Bandera Road) | San Antonio, TX.** *QA/QC Manager.* The SH 16 (Bandera Road) Project extends from I-410 to Loop 1604, a distance of 6.5 miles. This divided urban 4- to 6-lane signalized arterial is the 8th most congested road in the San Antonio region and one of the top 100 congested roadways in Texas. The proposed project will improve mobility, safety, and connectivity while reducing congestion
08/23 - 11/24	**City of Azle Comprehensive Plan | Azle, TX.** *Project Manager.* Responsible for policies, design recommendations, and implementation tasks to collectively chart a path for the City of Azle over the next 20 years. This project updates the City's comprehensive plan through a thoughtful community engagement process. This effort will result in a new land use plan, throughfare plan, downtown-specific plan element and a parks and recreation master plan update.
12/23 - 11/24	**City of DeSoto Hampton Road Design Standards | DeSoto, TX.** *Project Manager.* Responsible for creating character-driven zoning districts for properties along and nearby a one-mile stretch road. Five new zoning districts prioritize placemaking and pedestrian-oriented streets. The resulting development of this area established a new walkable, mixed-use corridor that served as destination for DeSoto residents and others around the region. Paired with creation of a tax increment reinvestment zone and a road diet to make Hampton Road a more walkable corridor, the character code ensures that private development contributes meaningfully to this exciting and unique new district.
02/24 - 09/24	**City of Hurst Vision Plan and Code Support | Hurst, TX.** *Project Manager.* Responsible for assessing the City's zoning code to provide decision makers with clear documentation of strengths and weaknesses of the current regulations. This effort will serve as an initial step in a broader effort to comprehensively update the City's zoning code to improve clarity, usability, alignment with market demand, and outcomes on the ground.
09/23 - 03/24	**City of Fredericksburg Comprehensive and Park Plan | Fredericksburg, TX.** *Planner.* Project involved simultaneous development of a comprehensive plan and a park masterplan for the City of Fredericksburg. This includes identifying what makes the city unique, establishing the vision of how Fredericksburg will continue to grow, and determining how to achieve that vision through ongoing execution of the implementation action plan.

Firm Employed By	Halff		
Name	Gabriel Benavides, Jr., PE	**Years of Relevant Experience with this Employer**	17
Title	Director of MEP	**Years of Relevant Experience with Other Employer(s)**	N/A
Degree(s) / Years / Specialization	BS / 2011 / Electrical Engineering		
Active Registration Number / State / Expiration Date	49222 / LA / 7/16/24; 119255 / TX / 12/31/24; 97009 / FL / 2/28/25; 22038 / AR / 12/31/24; 34337 / OK / 8/31/25		
Year Registered	LA 2024; TX 2015; FL 2023; AR 2023; OK 2023	**Discipline**	Professional Engineer, Electrical
Contract Role(s) / Brief Description of Responsibilities	Mechanical, Electrical, Lighting Design Services		

Bio: Gabriel Benavides, Jr. is the Director of MEP at Halff and has been involved in electrical engineering design, construction management and project management for municipalities, government and commercial facilities. He has acquired extensive experience in power system design and construction administration for K-12 and higher education renovation projects. Gabriel is also responsible for managing the QA/QC program for the Halff MEP practice. Gabriel has a proven track record of verifying compliance with industry standards and incorporating considerations of reliability, redundancy, energy efficiency and climate consciousness in his designs.

08/21 - 09/23	**Water Treatment Plant Upgrade | Pharr, TX.** *Task Leader.* Responsible for demolishing an existing MCC and replacing it with two new MCCs located in a new structure for the Digester Area. A new structure and MCC was added to the oxidation ditch. The MCC at the Oxidation ditch is designed to provide power to three new RAS pumps along with three 150-hp blowers and mixers to be located within the oxidation ditch. The power was also modified for the Headworks area. The existing power distribution vendor control panel was demolished and replaced with a new panel.
02/16 - 12/17	**South Belton Sanitary Sewer | Belton, TX.** *Task Leader.* Responsible for electrical tasks, including developing a radio frequency signal propagation study. The study consists of analyzing adequate signal strength at existing receiver by studying signal path terrain, vegetation, building obstructers and earth curvature. Based on these parameters, made recommendations to site antenna performance and height. Halff was selected for design services on 11,400 lf of new gravity sewer lines and manholes, 9,100 lf of new force main line, an access road along the alignment of the wastewater facilities, and a regional 5.2-mgd lift station.
02/18 - 09/21	**Hidalgo County New Courthouse | Hidalgo County, TX.** *QA/QC Manager.* Responsible for MEP design and electrical and informational technology systems. This new high-rise building consisted of a 7-story, 368,000-sf building designed to accommodate district and County courtrooms, one court of appeals, district and County clerks, jury services, public defender and indigent defense, Hidalgo County Bar Association, detention spaces and holding area, and a shell space for six additional future courts. The complex includes a central utility plant with a separate building on site, a single security screening area, secure parking for judges and elected officials, a loading dock area, and a food court for the public and staff.
04/19 - 11/21	**Wastewater Treatment Plant | Pharr, TX.** *Project Manager.* This project consisted of demoing an existing MCC and replacing it with two new MCC located in a new structure for the Digester Area. A new structure and MCC was added to the oxidation ditch. The MCC at the Oxidation ditch is designed to provide power to three new RAS pumps along with three 150hp blowers and mixers to be located within the oxidation ditch. The power was also modified for the Headworks area. The existing power distribution vendor control panel was demoed and replaced with a new panel.
10/23 - 07/24	**Electric Vehicle Charging Stations | Tarrant County College District, TX.** *Project Manager.* This project involved the content development and review of a district-wide assessment to recommend quantities of EV parking spaces based on current regulations and projected trends. Similar institutions and existing infrastructure at each site were analyzed to provide a detailed summary of recommendations that would best fit each site's capacity and demand. In the report, background information providing details and comparisons over the different aspects of EV charging was included to provide a greater understanding of the systems involved. As a final result, a detailed report along with a double-sided graphical supplement document was provided for all nine campuses in the district, presenting recommended quantities and cost estimates supported by background information and research conducted.
1/16 - 08/16	**McAllen Parking Lot Improvements | McAllen, TX.** *Engineer of Record.* Responsible for for the design and construction administration for the expanded parking lot lighting portion of the project. Project consisted of demolishing an existing Texaco Gas Station adjacent to the property and making that added property as expanded retail parking. New lighting included high output LED fixtures that provided an average of 50-foot candles on the perimeter of the parking lot.

Firm Employed By	Halff		
Name	Lizbeth Guerra, PE	**Years of Relevant Experience with this Employer**	4
Title	Electrical Engineering Team Leader	**Years of Relevant Experience with Other Employer(s)**	18
Degree(s) / Years / Specialization	BS / 2002 / Electrical Engineering		
Active Registration Number / State / Expiration Date	48404 / LA / 3/31/26; 103534 / TX / 3/31/25; 22018 / AR / 12/31/24; 34493 / OK / 2/28/26; 99346 / FL / 2/28/25		
Year Registered	LA 2009; TX 2009; AR 2023; OK 2023; FL 2024	**Discipline**	Professional Engineer, Electrical
Contract Role(s) / Brief Description of Responsibilities	Mechanical, Electrical, Lighting Design Services		

Bio: Lizbeth Guerra is an electrical engineering team leader with over two decades of overall engineering experience. She has worked as both an RF and Digital Electrical Engineer and has worked on design plans that included electrical distribution, lighting, special systems design, and business management as well as the development of project specifications.

07/24 - 10/24	**Palmview Emergency Medical Center | Hidalgo County, TX.** *Project Manager.* The project consisted of the electrical design for a 13,000 square-foot urgent care medical center. Electrical design included the design of a Type II Essential Electrical System (EES) to provide emergency back-up to life safety and equipment loads and consisted of a generator design including docking station connection and two automatic transfer switches with bypass isolation capabilities for life safety and equipment branches.
08/22 - 05/24	**Brownsville Public Utilites Board Backup Power Study | Brownsville, TX.** *Project Manager.* This study consisted of evaluating electrical loads for water and wastewater treatment plants. The project also consisted of sizing the generators for the facilities and developing the probable construction costs.
04/24 - 10/24	**City of Springdale Albright Road Extension | Springdale, AR.** *Engineer.* This project includes the illumination design of one roundabout and approximately 1/2-mile of roadway lighting. The electrical design includes photometric analysis and illumination layout, power distribution and circuit design, voltage drop calculations, luminaire schedules, details, one line diagram and summary of quantities
09/23 - 10/24	**ARDOT On-Call Task Order 154 | Little Rock, AR.** *Engineer.* Responsible for this project that includes the illumination design of one roundabout and approximately 400 feet of approach roadway to the roundabout. The electrical design includes photometric analysis and illumination layout, power distribution and circuit design, voltage drop calculations, luminaire schedules, details, one line diagram, and summary of quantities
09/23 - 10/24	**ARDOT On-Call Task Order 155 | Little Rock, AR.** *Engineer.* Responsible for this project that includes the illumination design of one roundabout and approximately 400 feet of approach roadway to the roundabout. The electrical design includes photometric analysis and illumination layout, power distribution and circuit design, voltage drop calculations, luminaire schedules, details, one line diagram, and summary of quantities.
01/23 - 11/24	**Harris County Toll Road Authority Electronic Toll Conversion | Harris County, TX.** *Engineer.* This project involved developing Segment 3 of the BFH Project along Sam Houston Toll Road from IH 10 to US 59/IH 69 in Harris County, Texas. The project includes the design of safety improvements, capacity improvements, and PS&E to provide additional toll lanes and conversion of the toll road to an all-electronic toll (AET) collection facility. The Tollways to Trailways (T2T) Program is part of the BFH project with the goal of providing 236 miles of active transportation projects across Harris County. Halff is leading the design of five T2T projects, including Project 41 along BFH Segment 3, and Project 58 along Hillcroft Ave.
01/23 - 11/24	**City of Austin Airport Boulevard C4 Bridge Replacement | Austin, TX.** *Engineer.* This project involved developing Segment 3 of the BFH Project along Sam Houston Toll Road from IH 10 to US 59/IH 69 in Harris County, Texas. The project includes the design of safety improvements, capacity improvements, and PS&E to provide additional toll lanes and conversion of the toll road to an all-electronic toll (AET) collection facility. The Tollways to Trailways (T2T) Program is part of the BFH project with the goal of providing 236 miles of active transportation projects across Harris County. Halff is leading the design of five T2T projects, including Project 41 along BFH Segment 3, and Project 58 along Hillcroft Ave.

Firm Employed By	Halff		
Name	Tracy Forester	**Years of Relevant Experience with this Employer**	20
Title	Transportation Deputy Practice Leader, ITS	**Years of Relevant Experience with Other Employer(s)**	17
Degree(s) / Years / Specialization	Associate of Science / 1982 / Computer Engineering		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	**Discipline**	Transportation
Contract Role(s) / Brief Description of Responsibilities	Intelligent Transportation Systems		

Bio: Tracy has experience in traffic operations, including fiber optic network and Intelligent Transportation Systems (ITS) design, construction, inspection, project management, maintenance, and all aspects of advanced traffic signal equipment. He has extensive experience in the highly technical and specialized areas of ITS, Transportation Management Center (TMC) design, and Advanced Transportation Management Systems (ATMS) spanning Texas, Alabama, Georgia, and Florida. Tracy has also served as the Traffic Signal Systems Manager for the City of Tallahassee while designing and overseeing the implementation of fiber optic communication for traffic signals throughout the City. Tracy's experience designing fiber optic networks for multiple municipalities and state transportation departments spans thousands of miles across states and jurisdictions.

11/22 - 10/24	**ARDOT I-40 ITS | Little Rock, AR.** *Principal-in-Charge.* Responsible for providing oversight to the design and construction plans to implement ITS improvements along various interstates through a Wrong Way Traffic Detection program. This system will notify wrong way drivers with flash warning signs in addition to sending a notification to the nearest Traffic Management Center.
12/16 - 11/21	**FDOT Traffic Engineering Research Lab | Tallahassee, FL.** *Technical Advisor.* Responsible for providing updates to the FDOT Standard Specifications for Road and Bridge Construction for fiber optic cables and ITS conduit. Tasks included performing research on current industry capabilities and availabilities for quality of fiber optic cable to reduce attenuation and dispersion. The requirements of fiber optic connectors, splicing, and testing were also updated in anticipation of future higher bandwidth networks. This continuing service task also provided support to the FDOT Traffic Engineering Research Lab for writing testing manuals for traffic signal equipment and traffic signal controller units to be used statewide and provided testing support for connected vehicle installation/testing on Mahan Dr.
09/19 - 04/21	**TxDOT IH-35 from SH 80 to RM 12 | Austin, TX.** *Task Leader.* Responsible for the design and layout of ITS devices and fiber optic networks IH 35 to connect devices within the project limits and transmit data via wireless radio signal outside of the project limits for communication with the TxDOT Traffic Management Center. The project also included new radar vehicle detection systems, wrong way driver detection systems, LED wrong way driver alert signs, CCTV cameras, and roadway weather information systems in conjunction with existing ITS devices along IH 35. This project involved the preparation and development of PS&E for ITS, roadway, lighting, drainage, and traffic signal design for IH 35 Mobility from north of RM 12 (Wonder World Drive) to SH 80 (Hopkins Street) in Hays County, Texas. The proposed project covered 2.5 miles of frontage road improvements and selective ramp and mainlane improvements. (Size: 2.5 miles. Design Cost: $1.73M)
12/11 - 07/12	**City of Tallahassee ITS | Tallahassee, FL.** *Project Manager.* Responsible for developing the construction plans for the project, along with providing construction project management. This project involved a fiber optic network and video monitoring system, which included the installation of 25 miles of fiber optic, cameras, and other ITS devices throughout I-10 in Gadsden and Leon Counties. This project included design and construction of a network-wide system sensor deployment to collect continuous volume, speed, and occupancy data, as well as the design and installation of a new Regional Transportation Management Center and a 2-story LED cube video wall.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Ellen Burke Howard, PE, PTOE	**Years of Relevant Experience with this Employer**	9
Title	Senior Project Engineer	**Years of Relevant Experience with Other Employer(s)**	5
Degree(s) / Years / Specialization	BS / 2009 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE No. 38207/ LA / 03-31-2026; PTOE No. 3735		
Year Registered	2013	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic Study		

Bio: Mrs. Howard joined Neel-Schaffer, Inc. in January 2014. Before joining Neel-Schaffer, Mrs. Howard worked as a Traffic Engineer for DOTD District 62. She also worked as a Traffic Engineer Intern for DOTD's Traffic Engineering Management Section in Headquarters. She worked on a variety of projects involving Traffic Engineering Studies, Signal Timing and Coordination, Corridor Studies, traffic modeling using VISSIM and Transportation Management Studies. During her employment at DOTD, she also reviewed numerous Corridor Studies, Intersection Studies, Safety Studies, Traffic Impact Studies, and Temporary Traffic Control Plans. She is proficient in Traffic Engineering software such as HCS, Synchro, SIDRA, SimTraffic, VISSIM as well as DOTD's CAT Scan safety tool. She also attended Highway Safety Manual (HSM) workshop, Highway Capacity Analysis Seminar, Roundabout Design Workshop, Traffic Signal Workshop, Synchro Training, Vissim Training, Access Management Location and Design Course, Alternative Intersections / Interchanges Workshop, and Crash Reconstruction for Traffic Engineers Course. With Neel-Schaffer, Mrs. Howard has served as a project engineer for the noted traffic-related DOTD projects. Mrs. Howard is a certified Professional Traffic Operations Engineer (PTOE), a certified Road Safety Professional Level 1, and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

04/23 - Present	**Jimmie Davis Design Build | Shreveport, LA.** *Project Engineer.* This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems. Project Engineer for traffic analysis, TMP, traffic signal design and safety analysis
08/20 – Present	**I-10/I-12 @ College Drive Flyover Ramp Design Build | Baton Rouge, LA.** *Project Engineer.* The proposed project realigns the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment and replaces the I-10 WB Overpass Bridge with a new structure. In addition, the project physically separates College Drive NB from the free flow lane which connects the I-10 WB exit ramp to Corporate Boulevard. Project Engineer for traffic analysis, TMP, traffic signal design and safety analysis.
02/20 – Present	**I-20 at LA 544 Overpass Replacement | Lincoln Parish, LA.** *Project Engineer.* This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes a new bridge with a sidewalk over I-20. The entire project limits are complete street complaint which means it provides facilities for all users. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. QA/QC TMP, and signal design.
03/23 - Present	**IDIQ for Road Design Projects | LA.** *Project Engineer.* This contract includes three separate Task Order projects which include traffic services, road design, preliminary and final plan development. The projects include pavement preservation, constructing new roads, extend existing roads, construction of roundabouts, turn lanes and drainage improvements. 1.) US 90: Roundabout t LA 101 (Calcasieu) (SPN. H.015226); Traffic Services. This project includes the design for a roundabout with high-speed approaches. The design avoids impacts to a gas station, and other development at the intersection. It includes minimum right of way taking and detention pond design. 2.) LA 621: Realignment @ LA 73 (Ascension) (SPN. H.014366); Traffic Services. This project will widening LA 73 and realign LA 621 to near its existing intersection with LA 73 to relieve congestion and improve safety. This project includes the design of a multilane roundabout to provide connectivity for local roadways, traffic analysis, Transportation Management Plan, and 1 mile of mill and overlay for LA 621. 3.) LA 16: N 2nd Street to LA 445 (Tangipahoa Parish) SPN. H.009425.5; Traffic Services. Project includes the mill and overlay of LA 16 from N 2nd Street to east of Duncan Avenue, the in-place base rehabilitation and overlay of LA 16 from east of Duncan Avenue to LA 445. The scope of work will also include the hydraulic analysis and development of construction plans for the rehabilitation of the existing subsurface drainage system to improve drainage along LA 16 from US 51 to approximately 1000'east of Duncan Avenue.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Jonathan Duhe, PE, PTOE, RSP	**Years of Relevant Experience with this Employer**	13
Title	Project Engineer	**Years of Relevant Experience with Other Employer(s)**	1
Degree(s) / Years / Specialization	BS / 2011 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE No. 41047 / LA / 03-31-2025; PTOE No. 4418; RSP No. 282		
Year Registered	2016	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Signal Design and Traffic Study		

Bio: Jonathan joined Neel-Schaffer in 2013 and has nearly a decade of experience working on a wide range of traffic and transportation projects. He has worked on many intersection/corridor signal timing studies and signal design projects and other traffic engineering related projects for both public and private projects. He is experienced with numerous traffic engineering software packages including HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Jonathan has completed training and has experience using DOTD's CAT Scan safety tool. He is a certified Professional Traffic Operations Engineer (PTOE), a Road Safety Professional (RSP1) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training..

04/23 - Present	**Jimmie Davis Design Build | Shreveport, LA.** *Project Engineer.* This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems. Project Engineer for signal design and safety analysis.
06/20 – Present	**I-10/12 College Drive Flyover Design Build | Baton Rouge, LA.** *Traffic Engineer.* Performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. Assisted with uncalibrated VISSIM model. Assisted with safety analysis and signal design.
02/20 – Present	**I-20 at LA 544 Overpass Replacement | Lincoln Parish, LA.** *Task Leader.* This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes a new bridge with a sidewalk over I-20. The entire project limits are complete street complaint which means it provides facilities for all users. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Mr. Duhe provided signal design review. Preliminary and final plans.
08/22 – Present	**LRSP Ardenwood Dr Road Diet | Baton Rouge, LA.** *Project Engineer.* Responsible for Data Collection (Traffic Counts and Peak Hour Observations), Traffic Forecasting, Safety Analyses, Corridor Operational Analyses (HCS, Sidra), Safety Analyses, Traffic Report Preparation
07/21 – Present	**FYA Signal Improvement (LCG) | Lafayette, LA.** *Project Engineer.* Oversaw development of signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.
09/21 – Present	**Harding Blvd at I-110 | Baton Rouge, LA.** *Traffic Engineer.* Performing a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive including the I-110 Ramps in an effort to improve capacity. Assisted with data collection and Initial Data Collection Report.
09/20 – Present	**College Drive Enhancement Project | Baton Rouge, LA.** *Traffic Engineer.* Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including peak period observations and travel time runs. Also performed safety analysis along the College Drive corridor.
04/20 – 06/21	**District 05 Safety Investment Plan | District 05, LA.** *Traffic Engineer.* Assisted with safety analysis including reviewing crashes utilizing DOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
02/19 – 03/20	**District 07 Safety Investment Plan | District 07, LA.** *Traffic Engineer.* Assisted with safety analysis including reviewing crashes utilizing DOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.
11/17 – 04/19	**District 08 Safety Investment Plan | District 08, LA.** *Traffic Engineer.* Assisted with safety analysis including reviewing crashes utilizing DOTD's CATScan tool and performing benefit-cost analysis of potential safety improvements. Also assisted with report preparation.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Clarke Chauvin, PE, PTOE, PMP	**Years of Relevant Experience with this Employer**	1
Title	Transportation Project Manager	**Years of Relevant Experience with Other Employer(s)**	10
Degree(s) / Years / Specialization	BS / 2013 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE No. 41770 / LA / 09-30-2025		
Year Registered	2017	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Signal Design		

Bio: Mr. Chauvin joined Neel-Schaffer in 2024 and serves as a Senior Project Manager based in the firm's Baton Rouge, LA office, focused on Intelligent Transportation Systems (ITS), traffic signals, and traffic studies. Clarke brought more than a decade of transportation and over 20 years of electrical experience when he joined the firm. He has extensive experience working on projects for DOTD, performing services including: feasibility studies, SEAs, ITS and communications design, integration, installation, and maintenance, deploying new technologies, and technical support. Clarke holds specialty certifications in PTOE, PMP, TCT/TCS, TEP&R, NFPA 70E, IMSA Signal Technician Level 1, 2, & Inspector, ESA Networking 101-106, RCNA/RCNP, various ITS hardwares, and completed qualifications for LASFM Security Qualifier and Statewide Electrical Contractor.

05/24 – Present	**Lake Charles Regional ITS Architecture Update | Lake Charles, LA.** *Project Manager.* Clarke is managing this ITS Regional Architecture Update on an expedited schedule. This update includes the evaluation of the existing ITS inventory and stakeholder engagement. Based on the findings of the existing ITS inventory and stakeholder needs, the updated ITS Architecture Report provides recommended ITS projects with cost, ITS services, interfaces, and architecture for the region
05/24 – Present	**Shreveport-Bossier Regional ITS Architecture Update | Shreveport, LA.** *Project Manager.* Clarke is managing this ITS Regional Architecture Update on an expedited schedule. This update includes the evaluation of the existing ITS inventory and stakeholder engagement. Based on the findings of the existing ITS inventory and stakeholder needs, the updated ITS Architecture Report provides recommended ITS projects with cost, ITS services, interfaces, and architecture for the region.
05/24 – Present	**Houma Regional ITS Architecture Update | Houma, LA.** *Project Manager.* Clarke is managing this ITS Regional Architecture Update on an expedited schedule. This update includes the evaluation of the existing ITS inventory and stakeholder engagement. Based on the findings of the existing ITS inventory and stakeholder needs, the updated ITS Architecture Report provides recommended ITS projects with cost, ITS services, interfaces, and architecture for the region.
10/20 – Present	**I-10 ITS Scott to Lake Charles | Lafayette, Acadia, and Jefferson Davis Parishes, LA.** *Project Manager.* Clarke served as Project Manager to develop construction plans for 15 CCTV sites along I-10. With his background in hands-on ITS work, Clarke was able to provide unique insights into the project after it moves past construction and into preventative maintenance. Additionally, his experience with DOTD's network allowed him to perform communications design which bring existing isolated sites into the project and to create network redundancy through fiber optic rings to better serve DOTD's long term needs. The design of this project is completed, and Clarke continues to serve this project as the point of contact for technical support during construction.
07/23 – Present	**Northshore Regional ITS Architecture Update | Mandeville, LA.** *Project Manager.* Initially serving in a role to provide technical support to architecture updates through RAD-IT, Clarke is now project manager and has worked to update all aspects of the ITS Architecture including operational concepts, functional requirements, interface requirements, ITS standards, proposed project costs and sequence, as well as the ITS Architecture Report.
09/22 – 06/24	**Alexandria ITS Phase 2 Design | Alexandria, LA.** *Project Manager.* Initially serving as a subconsultant, providing expertise in ITS network and communications design, Clarke now provides oversight over the entire project. In addition to providing traditional fiber communications design, Clarke performed a wireless analysis for a point-to-point backhaul link, comparing alternative radio equipment with varying frequencies, to identify feasibility and reliability of communications which would bridge both sides of the Red River, in Alexandria.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Charles Adams, PE, PTOE	**Years of Relevant Experience with this Employer**	17
Title	Senior Project Engineer	**Years of Relevant Experience with Other Employer(s)**	13.5
Degree(s) / Years / Specialization	BS / 1992 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE No. 27440 / LA / 9-30-2025; PTOE No. 878		
Year Registered	1997	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Signal Design and Traffic Study		

Bio: Charles has over 30 years of experience working on projects that include Traffic Data Collection, Traffic Signal Timing, Traffic Signal design, Traffic Operations, Traffic Safety, ITS and Transportation Engineering. He manages a wide range of local and regional projects that vary in complexity from developing traffic control plans for major construction projects and traffic signal timing plans to performing roundabout feasibility studies and other traffic related studies for both public and private clients. He has extensive experience with managing and developing plans for traffic signals, traffic controls, and intersection improvements as well as performing roundabout analyses and Stage 0 Traffic Studies. Prior to joining NSI, he was employed by DOTD, where he served as the State Traffic Engineer. Charles is a certified Professional Traffic Operations Engineer and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

04/23 – Present	**Jimmie Davis Design Bridge | Shreveport, LA.** *Project Engineer.* This project will construct a new 4-lane bridge over the Red River, convert LA 511 from a five-lane roadway to a 4-lane median divided roadway with turn lanes, and construct full-access interchange connections with LA 511 at both Arthur Ray Teague Parkway and Clyde Fant Memorial Parkway and provide associated roadway drainage systems.
08/20 – Present	**I-10 & I-12 College Dr Flyover Ramp | Baton Rouge, LA.** *Project Engineer.* NSI is performing IMR, TMP, preliminary design, final design, review of TTC plans, and signal design. Charles is reviewing all TTC plans and developing preliminary signal plans.
07/16 – Present	**I-49 at Verot School Rd | Lafayette, LA.** *Project Engineer.* NSI is preparing design plans and reviewing the TTC plans and the TMP. Mr. Adams is reviewing the TTC plans and developing the TMP for the project.
01/23 – Present	**Wemple Road & Innovation Drive Study | Bossier, LA.** *Project Manager.* NSI performing a traffic evaluation to determine whether a new N/S road would be justified between Wemple Road and Innovation Drive. Mr. Adams is performing the study and analyzing the impact on the surrounding intersections.
10/22 – Present	**East-West Connector (Winfield Road Congestion Relief) | Bossier, LA.** *Project Engineer.* NSI Performing a Traffic Study and Line and Grade for a new east-west corridor through Bossier Parish. Charles is overseeing the Traffic Study portion of the project and all intersection analyses for the four major intersections.
02/18 – Present	**Kansas Lane-Garrett Road Connector | Monroe, LA.** *Project Manager.* NSI performing TMP for project as well as developing temporary signal design plans, developing permanent signal design plans, and developing fiber plans to relocate impacted fiber. Charles is preparing the TMP and all signal design plans.
12/17 – Present	**South City Parkway Extension | Lafayette, LA.** *Project Engineer.* This project will construct a new 1.7 – mile, 4 lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design are being completed in conformance with DOTD guidelines. Includes 5 multilane roundabouts. Charles is providing the Traffic Control Plans.
08/12 – 03/19	**LA 1026 (Juban Rd) Widening | Livingston Parish, LA.** *Project Engineer.* Highway widening project with roundabouts. Prepared TCP
08/08 – 08/12	**LA 33 Roundabout Study | Ruston, LA.** *Senior Project Manager.* NSI provided a completed Traffic Study related to the proposed roundabouts at LA 33 and I-20 WB off-ramp and I-20 at the I-20 EB off-ramp in Ruston, LA.
02/22 – Present	**W Broussard Roundabout at Duhon Rd (LA 724) | Broussard, LA.** *Project Engineer.* This project will construct a roundabout and required drainage improvements. Includes roundabout. Completed the horizontal and vertical alignments (line and grade).
11/21 – 12/21	**Swan Lake Road Speed Study | Bossier City, LA.** *Project Manager.* NSI performed speed studies along Swan Lake Road from US 80 to Modica Lott Road. Mr. Adams oversaw the analyses and prepared the report of findings.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Ronald Kirk Gallien, PE, PTOE	**Years of Relevant Experience with this Employer**	4
Title	Senior Project Manager	**Years of Relevant Experience with Other Employer(s)**	36
Degree(s) / Years / Specialization	BS / 1984 / Civil Engineering		
Active Registration Number / State / Expiration Date	PE 0023428 / LA / 09-30-2025; PTOE No. 1288		
Year Registered	1989	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Signal Design and Traffic Study		

02/20 – Present	**I-20 at LA 544 Overpass Replacement | Lincoln Parish, LA.** *Project Engineer.* This project will replace the existing LA 544 bridge crossing and interchange with a new bridge and roundabouts. This project includes four multilane roundabouts located in a tight project area with many constraints and large grade changes. The roundabouts will connect ramps and service roads with adjacent businesses. The project includes new bridge with sidewalk over I-20. The entire project limits are complete street compliant which means it provides facilities for all users. Tasks similar to Line and Grade completed: Established design criteria, typical roadway sections, horizontal and vertical geometry, ID structure locations and more. Mr. Gallien provided TMP review
08/20 – Present	**I-10 & I-12 College Drive Flyover Ramp Design Build | Baton Rouge, LA.** *Project Engineer.* Responsible for Interchange Modification Report, Transportation Management Plan and ITR of MOT Plans for the proposed College Drive Ramp improvements. The IMR was prepared in accordance with DOTD's TEPR and FHWA Policy Points. The IMR analysis was performed using Vissim software. In addition, the TMP was prepared for the various maintenance of traffic phases. Analysis used in the TMP included HCS analysis for detour evaluations and Dynameq (Mesoscopic Modeling) for evaluating various MOT strategies. The project also includes signal design.
6/22 – Present	**Jimmie Davis Bridge (LA 511) (HBI) Design Build | Shreveport, LA.** *Project Engineer.* This project will replace the existing five-lane roadway with a four-lane median divided roadway with turn lanes. It will provide a new bridge crossing for LA 511 at the Red River and will also modify the existing bridge crossing for use as a linear park and provide a multiuse path. NSI is providing the traffic analysis, signal design, striping and signing plans, road design support and Bridge H&H and Scour for the river crossing. This preliminary design is being completed in support of the Design Build Proposal document. Traffic and road design support.
1994 – 2007	**DOTD District 05 – District Traffic Operations Engineer | LA.** • Performed numerous traffic studies and composed numerous traffic engineering reports regarding traffic control such as traffic signal installations and modifications, signing, pavement markings, and establishing speed limits. • Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement and recommended and implemented modifications to improve traffic flow and safety at these locations. • Coordinated and supervised upgrading all traffic signals (approximately 275) in District 05 from electromechanical to electronic controller operations. • Worked closely with private developers and public entities regarding access to proposed developments to verify conformance with DOTD standards • Completed construction lay-out of pavement markings on numerous highway construction projects, including centerline passing/no passing zone markings on overlay projects. • Served as the legal expert in traffic engineering for District 05, and responded to interrogatories and requests for production, gave depositions, and testified in court PROJECTS • Computerized Traffic Signal System in District 05: Provided technical assistance to the consultant during design of the project as well as construction personnel during installation of the field equipment. After completion of the project, implemented and used the computerized traffic signal system to manage traffic operations on US 165. • I-20 Elevated Section Rehabilitation Ouachita Parish: Provided technical assistance regarding interstate lane closures and traffic control during design and construction of the project. • I-20 Mississippi River Bridge Modifications: Provided technical assistance regarding interstate lane closures and traffic control during design and construction of the project.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Katie Odenthal, PE, PTOE	**Years of Relevant Experience with this Employer**	12
Title	Traffic / Transportation Engineer	**Years of Relevant Experience with Other Employer(s)**	0
Degree(s) / Years / Specialization	BS / 2012/ Civil Engineering		
Active Registration Number / State / Expiration Date	PE No. 40920 / LA / 03-31-2025		
Year Registered	2016	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic Study		

Bio: Mrs. Odenthal joined NSI as a student intern in 2010, went full time in 2012 upon her graduation, and joined the Baton Rouge office in 2014. She is a traffic/transportation engineer who works on a range of traffic and transportation projects including intersection/corridor signal timing studies, signal design projects, and other traffic engineering related projects for both public and private projects. Mrs. Odenthal is experienced with numerous traffic engineering software packages include HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Mrs. Odenthal is a certified Professional Traffic Operations Engineer (PTOE) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

06/14 – 12/18	**East Baton Rouge Computerized Traffic Signalization – Phases IV & V | Baton Rouge, LA.** *Engineer Intern.* For Phase 4, maintained data concerning installed signalization equipment, created monthly pay estimates, and checked field installation versus the plans. For Phase 5, developed the fiber optic installation drawings and reviewed signal plans and project quantities.
09/22 – Present	**LRSP Ardenwood Dr Road Diet | East Baton Rouge Parish, LA.** *Traffic Engineer.* Performed peak period determination, organized data collection sub-mittals. In the future, will preform existing and future intersection analyses, develop recommendations, and prepare report.
09/22 – Present	**Sugar House Road Extension, Intersection Control Evaluation (ICE) Study | Alexandria, LA.** *Traffic Engineer.* Performed peak period determination, organized data collection, reviewed safety analysis. In the future, will preform existing and future intersection analyses including signal warrants if neces-sary, develop recommendations, and prepare report.
10/21 – Present	**MovEBR Synchronization and Communication Signal Rebuilds – Group 3 and Group 4 | Baton Rouge, LA.** *Traffic Engineer.* Assisted with preparing signal reports. Creating signal plans.
10/21 – 05/22	**MovEBR Sherwood Forest Extension | Baton Rouge, LA.** *Traffic Engineer.* This project was concerned with extending Sherwood Forest Blvd from Greenwell Springs Rd to Joor Rd. Assisted with alternative analyses for design years and report preparation.
10/21 – 06/22	**US 190 Access Management Project | Mandeville, LA.** *Traffic Engineer.* Performing a traffic study along US 190 from East Causeway Approach to Clau-sel Street in order to improve capacity. Performed demand calculations. Determined peak periods and peak hours. Performed intersection analyses and tier 1 analyses. Prepared data collection reports and existing analysis and no build analysis report submittals.
03/16 – 04/17	**LA 22 Corridor Study (Rou Mar Nei Drive to 1st Street) | Tangipahoa Parish, LA.** *Engineer Intern.* Assisted with safety analysis and intersection opera-tional analyses for existing and proposed alternatives. Helped prepare the traffic report.
02/16 – 04/17	**LA 22 (Dalwill Dr to Rodger Storme Rd) Corridor Study | Mandeville, LA.** *Engineer Intern.* Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.
04/15 – 04/16	**US 80 Traffic Control Signal Upgrade | Shreveport, LA.** *Traffic Engineer.* Assisted with Data Collection (Traffic Counts and Travel Time Runs), Signal Warrant Analyses, Intersection Operational Analyses (Synchro), Signal Designs.
03/15 – 12/17	**US 51 (I-55 to University Avenue) Corridor Study | Hammond, LA.** *Engineer Intern.* Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Help prepare the traffic report.
03/15 – 12/17	**US 51 Business (I-12 to Coleman) Corridor Study | Hammond, LA.** *Engineer Intern.* Assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. Helped prepare the traffic report.

Firm Employed By	Neel-Schaffer, Inc.		
Name	Seth Popay, EI	**Years of Relevant Experience with this Employer**	4
Title	Project Engineer	**Years of Relevant Experience with Other Employer(s)**	0
Degree(s) / Years / Specialization	BS / 2019 / Civil Engineering		
Active Registration Number / State / Expiration Date	EI No. 34729 / LA / 3-31-25		
Year Registered	2021	**Discipline**	N/A
Contract Role(s) / Brief Description of Responsibilities	Signal Design and Traffic Study		

Bio: Mr. Popay is an Engineer Intern with experience in multiple traffic and safety engineering software packages including HCS, SYNCHRO, Vissim, SIDRA and DOTD's CAT Scan safety tool. Mr. Popay has completed DOTD's Traffic Engineering Process and Report (TEPR) training.

12/20 – Present	**College Dr Enhancement Project (MOVEBR) | Baton Rouge, LA.** *Engineer Intern.* Performing a traffic study along College Drive between Perkins Road and Bawell Street/Bankers Avenue including the I-10 Ramps in an effort to improve capacity and safety. Assisted with data collection including travel time runs and collecting crash reports. Also assisted with performing a safety analysis using DOTD's Cat Scan safety tool.
01/21 – 03/21	**District 05 Safety Investment Plan | Monroe, LA.** *Engineer Intern.* NSI evaluated crash history on the state and local highway network to identify potential roadway issues as well as potential infrastructure and operations safety countermeasures for nine parishes in DOTD District 05. Reviewed crash reports and data to be converted into one-page summaries of the segments and intersections involved in the study.
12/20 – Present	**Proposed Ouachita Middle School TIS | Statewide, LA.** *Engineer Intern.* NSI performed a Traffic Impact Study (TIS) for Ouachita Parish School Board. The proposed middle school was to be located on the corner of a proposed development. Helped with data collection of turning movement counts (TMC) and peak hour observations. HCS software was used to analyze turn lane movements and proposed driveways.
12/20 – 02/21	**Ellis Estates TIS | Denham Springs, LA.** *Engineer Intern.* NSI performed a Traffic Impact Study (TIS) for NOCO, LLC. The new development is to be located on the south side of Buddy Ellis Road in Livingston Parish, LA. This was a Threshold 2 study based off Livingston Parish's Traffic Impact Policy, which aimed at analyzing the proposed access to the proposed site. Trip generations were constructed based off existing and future condition volumes. Turn lane and intersection analysis was conducted using HCS software. Determined roundabout capacity and Level of Service (LOS) of the intersection of Buddy Ellis Ln at Juban Road using Sidra Intersections.
01/22 – Present	**N 5th St – N 6th St Traffic Study | Monroe, LA.** *Engineer Intern.* Performed a safety analysis of the two corridors as well as a safety analysis of the major intersections along both corridors using DOTD's Cat Scan safety tool.
01/21 – Present	**I-10 ITS Scott to Lake Charles | Statewide, LA.** *Engineer Intern.* NSI performed various engineering design and ITS analysis for CCTV cameras along I-10 corridor. These tasks included detailed analysis, CAD drafting, and cost estimates of materials. Developed CAD plan sheets of CCTV camera pole locations and line work for various conduits/cables. Detail sheets were created for finalized 60% plans.
10/21 – Present	**FYA Signal Improvements | Lafayette, LA.** *Engineer Intern.* NSI performed intersection inventory of requested signals in the city of Lafayette. The new signal inventory was used to develop new TSIs (Traffic Signal Inventory) as well as recommend the requested modifications to the signals that need upgrading.
03/21 – Present	**Synchronization and Communication Signal Rebuilds – Group 3 | Baton Rouge, LA.** *Engineer Intern.* MOVEBR identified six signals for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)
08/21 – Present	**Synchronization and Communication Signal Rebuilds Phase 2 – Group 4 | Baton Rouge, LA.** *Engineer Intern.* MOVEBR identified six signals for group 3 that needed improvements. NSI evaluated crash history at the project intersections to identify potential roadway issues as well as potential safety countermeasures. HCS software was used to analyze the roadway network and develop new signal timings. Developed and designed CAD sheets to upgrade the existing intersection equipment to current design standards. Engineer Intern (Synchro, Clearance Calcs, AutoTurn, MicroStation)

Firm Employed By	NTB Associates		
Name	Patrick C. Staiano, PLS	**Years of Relevant Experience with this Employer**	4
Title	Staff Surveyor	**Years of Relevant Experience with Other Employer(s)**	10
Degree(s) / Years / Specialization	BS / 2008 / Construction Management, Louisiana State University / ATSSA TCS		
Active Registration Number / State / Expiration Date	5130 / Louisiana / 09/30/2025		
Year Registered	2015	**Discipline**	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	MPR 4 and Surveying Services		

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. Patrick satisfies MPR No. 4 per the advertisement. He will manage field crews, data processing, drafting, review and certification of maps and surveys, and submittals.

01/23 – 11/24	**DOTD Jimmie Davis Bridge (LA 511) Design-Build | Bossier & Caddo Parishes, LA (H.001779).** *Assistant Project Manager.* Assisting in the management of field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, surveys in support of QL B, C, and D subsurface utility designating, 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 – 11/24	**DOTD IIJA Off-System Bridge Program | District 62, LA (4400025041).** *Project Manager.* 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 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 05, 08, & 58, LA (4400019337).** *Assistant Project Manager.* 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 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 02, 03, 07, 61, & 62, LA (4400019338).** *Assistant Project Manager.* Responsible for assisting in the management of field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final right of way mapping for 21 bridge and culvert replacements, including surveying all sub-surface drainage structures as a sub-consultant to Waggoner.
09/22 – 11/24	**CenterPoint Surveying Services | Various Parishes, LA.** *Assistant Project Manager.* Responsible for assisting in the management of field crews and technicians for topographic surveys, property surveying services, surveys in support of SUE, 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 – 11/24 03/18 – 02/21	**Apache Corporation, Infrastructure Improvements, Permian Basin | Reeves Counties, TX.** *Project Manager.* 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 – 11/24 03/18 – 02/21	**Targa Pipeline, Natural Gas Gathering System | Howard and Martin Counties, TX.** *Quality Control Surveyor.* 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).** *Project Manager.* 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).** *Assistant Project Manager.* Performed 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. Prepared eight 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	Bryan T. Bunch, PLS	**Years of Relevant Experience with this Employer**	15.5
Title	Executive Vice President	**Years of Relevant Experience with Other Employer(s)**	15
Degree(s) / Years / Specialization	BS / 1988 / Survey and Land Information Systems, University of Arkansas		
Active Registration Number / State / Expiration Date	5014 / Louisiana / 03/31/2026		
Year Registered	2009	**Discipline**	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	MPR 5 and Surveying Services		

Bio: Mr. Bryan Bunch, PLS will serve as NTBA Project Manager for topographic surveying services during this contract. Bryan will manage survey crews, processing, drafting, and submittals. Bryan satisfies MPR no. 5 per the advertisement.

12/17 – 11/24	**DOTD I-10: LA 415 to Essen Lane on I-10 and I-12 | West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs).** *Survey Project Manager.* Directed field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for additional areas.
01/23 – 11/24	**DOTD Jimmie Davis Bridge (LA 511) Design-Build | Bossier & Caddo Parishes, LA (H.001779).** *Survey Project Manager.* Directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.
09/20 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 05, 08, & 58, LA (4400019337).** *Survey Project Manager.* 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 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 02, 03, 07, 61, & 62, LA (4400019338).** *Survey Project Manager.* Directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.
07/23 – 11/24	**DOTD IIJA Off-System Bridge Program | District 62 (4400025041).** *Quality Control Surveyor.* 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 – 11/24	**CenterPoint Surveying Services | Various Parishes, LA (Various Agency Project Numbers).** *Quality Control Surveyor.* Assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, surveys in support of SUE, title take-offs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.
04/22 – 04/23	**DOTD Monkhouse to I-49 | Caddo Parish, LA (4400017713).** *Survey Project Manager.* Directed 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).** *Survey Project Manager.* Managed 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.

Firm Employed By	NTB Associates, Inc.		
Name	Mike J. King, PLS	**Years of Relevant Experience with this Employer**	18
Title	Vice President	**Years of Relevant Experience with Other Employer(s)**	2
Degree(s) / Years / Specialization	BS / 2012 / Construction Management, Louisiana State University		
Active Registration Number / State / Expiration Date	5127 / Louisiana / 09/30/2025		
Year Registered	2015	**Discipline**	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Surveying Services		

Bio: Mr. Mike King, PLS will serve as NTBA Assistant Project Manager for topographic surveying services during this contract. He will assist in the management of staff and verify verify standards and specifications are met

12/17 – 11/24	**DOTD I-10: LA 415 to Essen Lane on I-10 and I-12 | West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs).** *Assistant Project Manager.* Assisted in the management of field crews and technicians for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas
01/23 – 11/24	**DOTD Jimmie Davis Bridge (LA 511) Design-Build | Bossier & Caddo Parishes, LA (H.001779).** *Assistant Project Manager.* 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 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 05, 08, & 58, LA (4400019337).** *Assistant Project Manager.* 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 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 02, 03, 07, 61, & 62, LA (4400019338).** *Assistant Project Manager.* Assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.
08/22 – 11/24	**CenterPoint Surveying Services | Various Parishes, LA.** *Quality Control Surveyor.* Assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.
04/22 – 04/23	**DOTD Monkhouse to I-49 | Caddo Parish, LA (4400017713).** *Assistant Project Manager.* Assisted 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.
03/21 – 03/22	**Ward Creek at Siegen Lane | East Baton Rouge Parish, LA (22-DR-US-0013).** *Quality Control Surveyor.* Reviewed and processed data for control, topographic, and property surveys along with surveys in support of QL B, C, and D subsurface utility designating services.
05/15 – 12/20	**City of Bossier Walter O Bigby Carriageway (N Pkwy Ext) | Bossier Parish, LA (City Proj No 8-15).** *Quality Control Surveyor.* Reviewed 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 for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.

Firm Employed By	NTB Associates, Inc.		
Name	Chris A. Harland, Jr., PLS	**Years of Relevant Experience with this Employer**	>1
Title	Staff Surveyor / Engineer Intern	**Years of Relevant Experience with Other Employer(s)**	18
Degree(s) / Years / Specialization	BS / 2021 / Civil Engineering, Louisiana State University		
Active Registration Number / State / Expiration Date	5281 / Louisiana / 03/31/2025 – 21953 / Louisiana / 09/30/25		
Year Registered	2022 / 2005	**Discipline**	Professional Surveyor / Engineer Intern
Contract Role(s) / Brief Description of Responsibilities	Surveying Services		

Bio: Mr. Chris Harland will serve as NTBA Quality Control Surveyor for surveying services and SUE support during this contract. He will assist in the review of survey data, processing, utility coordination, and deliverable preparation.

04/24 – 11/24	**DOTD Jimmie Davis Bridge (LA 511) Design-Build | Bossier & Caddo Parishes, LA (H.001779).** *Quality Control Surveyor/ Engineering Intern.* Providing support as needed alongside Project Managers for Static GPS control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.
04/24 – 11/24	**Southline Power Transmission Line, Surveying & Engineering Services | AZ & NM.** *Quality Control Surveyor/ Engineering Intern.* Providing support as needed alongside Project Managers for topographic, boundary, and right of way surveying services, subsurface utility engineering, GIS services, and platting/mapping/permitting for transmission line and access roads.
04/24 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 05, 08, & 58, LA (4400019337).** *Quality Control Surveyor/ Engineering Intern.* Providing support as needed alongside Project Managers for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
04/24 – 04/24	**CenterPoint Surveying Services | Various Parishes, LA.** *Quality Control Surveyor.* Provided support as needed alongside Project Managers for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.
01/23 – 03/23	**Calcasieu Parish Police Jury, CPPJ Consolidation | Calcasieu Parish, LA.** *Project Surveyor.* Responsible for survey coordination, determining property boundaries, preparing the required servitude plats, and QA/QC for topographic and boundary surveying services along the roadway of a proposed route for the consolidation of multiple water districts into one waterworks district.
01/23 – 03/23	**Opelousas Street Survey | Calcasieu Parish, LA.** *Project Surveyor.* Responsible for survey coordination, assisting with LA One Call coordination, data processing, and QA/QC of deliverables for all topographic and boundary surveying services in support of the design and installation of a new waterline connecting two water districts.
12/22 – 02/23	**Comcast ALTA Surveying Services | Caddo Parish, LA.** *Project Surveyor.* Responsible for survey coordination for topographic and boundary surveying services, including coordinating with LA One Call, processing data, drafting plat and legal descriptions, and preparing FEMA Flood certificate for a property transfer in Shreveport, LA.
11/22 – 12/22	**Grogan Street Water Tower Survey | Calcasieu Parish, LA.** *Project Surveyor.* Responsible for survey coordination for topographic and boundary surveying services of a water tower, including courthouse research to locate the current conveyance records, determining the apparent boundary lines based on the records, and recovering data in the field, and drafting plats.

Firm Employed By	NTB Associates, Inc.		
Name	Grant H. Gilleon, PLS	**Years of Relevant Experience with this Employer**	16
Title	Vice President	**Years of Relevant Experience with Other Employer(s)**	20
Degree(s) / Years / Specialization	BS / 1987 / Construction Engineering Technology, University of Southern Mississippi		
Active Registration Number / State / Expiration Date	4976 / Louisiana / 03/31/2026		
Year Registered	2007	**Discipline**	Professional Surveyor
Contract Role(s) / Brief Description of Responsibilities	Surveying Services		

Bio: Mr. Grant Gilleon, PLS will serve as NTBA Quality Control Surveyor for surveying services during this contract. He will assist in the review of survey data and staffing logistics.

01/23 – 11/24	**DOTD Jimmie Davis Bridge (LA 511) Design-Build | Bossier & Caddo Parishes, LA (H.001779).** *Quality Control Surveyor.* Assisting in staffing and coordination for Static GPS control surveys, topographic surveys, property surveys, title take-offs, description preparations, and preliminary and final right of way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.
08/22 – 11/24	**CenterPoint Surveying Services | Various Parishes, LA.** *Project Manager.* Responsible for directing field crews and technicians for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and right of way calculations, CADD drawings, and plats for maintenance and construction projects.
04/21 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 02, 03, 07, 61, & 62, LA (4400019338).** *Quality Control Surveyor.* Assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub-consultant to Waggoner.
08/21 – 11/24	**DOTD Rural Bridge Replacement Initiative Phase II | Districts 05, 08, & 58, LA (4400019337).** *Quality Control Surveyor.* Assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right of way mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub-consultant to BKI.
05/15 – 11/24	**City of Bossier, Walter O Bigby Carriageway (N Pkwy Ext) | Bossier Parish, LA (City Proj No 8-15).** *Project Manager.* Responsible for directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge. Currently, in the construction management support phase and addressing RFI's as needed.
09/14 – 11/24	**USDA/NRCS Property Surveying Service | LA (AG-7217-C-14-0010, AG-2B46-S-16-0004, & 12FPC319D0016).** *Project Manager.* Responsible for directing field crews, file processing, drafting, and submittals for property surveying services and map/plat preparation for over 9,000 acres.
04/22 – 04/23	**DOTD Monkhouse to I-49 | Caddo Parish, LA (4400017713).** *Quality Control Surveyor.* Reviewing data and deliverables for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
05/21 – 12/21	**Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign | Bossier Parish, LA (BPPJ 2021-126).** *Project Manager.* Directed field crews for control surveys, topographic surveys, and property surveys in support of an evaluation to improve the intersection and produce a preliminary layout for a new intersection design.

Firm Employed By	Ardaman & Associates, Inc.		
Name	Megan Bourgeois, PE	**Years of Relevant Experience with this Employer**	18
Title	Project Engineer / Assistant Branch Manager	**Years of Relevant Experience with Other Employer(s)**	0
Degree(s) / Years / Specialization	BS / 2006 / Civil Engineering		
Active Registration Number / State / Expiration Date	36725 / LA / 03/31/26; Traffic Control Supervisor / LA / 06/21/28; DOTD Flagger / LA / 08/15/28; Dertified NHI Drilled Shaft Inspector		
Year Registered	2011	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services and Ardaman Project Manager		

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 DOTD 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 verifies appropriate protocol is followed and deadlines are met in addition to provide training material and maintaining AASHTO certifications.

10/09 - Ongoing	**SP No H.004646.5 / I-20 Missippi River Bridge Review | Vicksburg, MS.** *Project Manager.* She managed this multi-million-dollar, high risk, high technical needs, high visibility project. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologist, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing plane, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. Co-authored the geotechnical analysis and design report.
10/18 - 06/21	**SP No H.000263 / Chef Menteur Pass Bridge and Approach | Orleans Parish, LA.** *Project Manager.* Managed and oversaw all aspects of an extensive field investigation program including performing 26 deep soil borings and 12 CPT soundings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.
08/08 - 12/13	**SP Nos 700-09-0166 & H.003886.5 / I-49 North Phase II | Caddo Parish, LA.** *Laboratory Director/Assistant Project Engineer.* Closely coordinated an extensive laboratory testing program with an aggressive schedule to provide geotechnical characterization data for use in design of deep foundations, earth retaining structures and culverts.
07/15 - Ongoing	**SP No H.004273.5 / I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) | Lafayette Parish, LA.** *Project Engineer.* Assisting the Program Manager in overseeing the geotechnical investigation and design of the 5 miles of freeway consisting of a 3.5-mile elevated structures that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, pavement design, advanced pile load test programs, and earth retaining structures. Overseeing laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. Ms. Bourgeois is the project lead to develop the Geotechnical Investigation and Design Report
10/14 - 12/16	**SP No H.010601.5 / I-10 Widening (E Jct I-49 TO LA 328) | St Martin Parish, LA.** *Project Engineer.* 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 to LA 328 spanning approximately 7 miles.

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 /9/30/26; Traffic Control Supervisor / LA / 08/23/28		
Year Registered	2013	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services		

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 DOTD 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.

10/18 - 06/21	**SP No H.000263.5-1 / Chef Menteur Pass Bridge & Approach | Orleans Parish, LA.** *Project Engineer.* In conjunction with Ms. Bourgeois, Mr. Jewell oversaw the geotechnical investigation consisting of deep borings and field resistivity testing. Reviewed laboratory tests, final soil and CPT logs, and the data report.
10/18-01/19	**SP No H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road | Bossier Parish, LA.** *Project Engineer.* 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.
07/21-Ongoing	**SP No H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) | Baton Rouge Parish, LA.** *Project Manager.* Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
07/15-Ongoing	**SP No H.004273.5 / I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) | Lafayette Parish, LA.** *Project Manager.* 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 which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project.
11/15-01/21	**SP No H.011309 / McArthur Interchange Completion Phase II, US 90Z | Jefferson Parish, LA.** *Project Manager.* Oversaw the geotechnical field investigation that included deep and shallow CPT soundings, borings, laboratory testing, subsurface characterization, and engineering analyses to provide foundation design, verification of test plans and construction monitoring plans for the addition of two ramps. Design recommendations included post grouted drilled shafts.
04/14-03/22	**SP No H.004435 / I-12 to Bush Segment 2, LA 3241 (LA 36-LA435) | St Tammany Parish, LA.** *Project Engineer.* Oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts.

Firm Employed By	Ardaman & Associates, Inc.		
Name	Robert Rousset, PE	**Years of Relevant Experience with this Employer**	18
Title	Project Engineer / Vice President, Regional Manager	**Years of Relevant Experience with Other Employer(s)**	0
Degree(s) / Years / Specialization	BS / 2008 / Civil Engineering		
Active Registration Number / State / Expiration Date	38637 / LA / 09/30/26		
Year Registered	2014	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services		

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.** *Project Manager.* 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.** *Project Manager.* 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.** *Assistant Project Engineer.* 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 DOTD format.
07/09-08/11	**SP No 700-29-0112 / LA 1 – Phase 1 | Lafourche Parish, LA.** *Assistant Project Engineer.* 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.** *Assistant Project Engineer.* 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 DOTD format.
08/09-12/09	**Central Throughway | East Baton Rouge Parish, LA.** *Assistant Project Engineer.* Performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.

Firm Employed By	Ardaman & Associates, Inc.		
Name	Ross McGillivray, PE	**Years of Relevant Experience with this Employer**	25
Title	Principal Engineer	**Years of Relevant Experience with Other Employer(s)**	29
Degree(s) / Years / Specialization	BCE / 1996 / Civil Engineering; MS / 1968 / Civil Engineering (Soil Mechanics)		
Active Registration Number / State / Expiration Date	17920 / FL / 02/28/25		
Year Registered	1998	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services		

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, ground water hydrology and sinkhole evaluation and remediation. He has provided engineering review or design on projects with Ardaman offices in Florida as well as for offices in Baton Rouge and New Orleans, Louisiana.

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.

09/01 – 11/01	**I-10/12 Sound Walls, Wall 6-Design Lateral Load Test on Drilled Shafts / Sound Wall Shaft CLS Evaluation | Baton Rouge, LA.** *Principal Engineer.* Mr. McGillivray performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Mr. McGillivray also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by DOTD for the project.
10/18-12/18	**SP NO H.003370 / I-220/I-20 Interchange Improvement and Barksdale Air Force Base Access Road | Bossier Parish, LA.** *Principal Engineer.* 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.
7/15 –Ongoing	**SP No H.004273.5 I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) | Lafayette Parish, LA.** *Principal Engineer.* 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.
11/15-01/21	**SP No H.011309 MacArthur Interchange Completion Phase II Route US 90-Z | Jefferson Parish, LA.** *Principal Engineer.* 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.
07/21-Ongoing	**SP No H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) | Baton Rouge Parish, LA.** *Project Engineer.* 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.

Firm Employed By	Ardaman & Associates, Inc.		
Name	Jarmon King, PE	**Years of Relevant Experience with this Employer**	5
Title	Assistant Project Engineer	**Years of Relevant Experience with Other Employer(s)**	1
Degree(s) / Years / Specialization	BS / 2019 / Civil Engineering		
Active Registration Number / State / Expiration Date	49179 / LA / 03/31/25; Traffic Control Supervisor / LA / 11/08/27; DOTD Flagger / LA / 05/29/28		
Year Registered	2019	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services		

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 verify a safe and productive environment.

07/21-Ongoing	**SP No H.004100.5 / I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR) | Baton Rouge Parish, LA.** *Assistant Project Engineer.* 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.
10/18-06/21	**SP No H.000263 / Chef Menteur Pass Bridge and Approach | Orleans Parish, LA.** *Assistant Project Engineer.* Helped produced soil boring logs and CPT soundings in DOTD format. Assisted with development of the data report.
10/18-12/18	**SP No H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road | Bossier Parish, LA.** *Assistant Project Engineer.* 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.
06/20-11/22	**SP No H.002825 / Nicholson Drive (LA 30) Segment 1 | East Baton Rouge Parish, LA.** *Assistant Project Engineer.* 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 DOTD specifications.

Firm Employed By	Ardaman & Associates, Inc.		
Name	Jessica N. Litt	**Years of Relevant Experience with this Employer**	10
Title	Laboratory Manager	**Years of Relevant Experience with Other Employer(s)**	0
Degree(s) / Years / Specialization	BS / 2010 / Biology		
Active Registration Number / State / Expiration Date	NICET / Generalist, Laboratory No. 141243 / 10/01/27		
Year Registered		**Discipline**	Lab Manager/Testing
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services		

Bio: Ms. Litt serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. She 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. Ms. Litt is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and DOTD 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)).

10/18-06/21	**SP No H.000263.5-1 / Chef Menteur Pass Bridge and Approach | Orleans Parish, LA.** *Laboratory Technician.* 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.
11/15-01/21	**SP No H.011309 / MacArthur Interchange Completion Phase 2, Route US 90-Z | Jefferson Parish, LA.** *Laboratory Technician.* 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.
04/14-03/22	**SP No H.004435 / I-12 to Bush Segment 2, LA 3241 | St Tammany Parish, LA.** *Laboratory Technician.* 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.
04/14-05/18	**SP No H.004113 / I-12 to Bush Segment 3, LA HWY 3241 (LA 435 TO LA 40 / 41) | St Tammany Parish, LA.** *Laboratory Technician.* 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.
10/09-Ongoing	**SP No H.004646.5 / Mississippi River Bridge Review | Vicksburg, MS.** *Laboratory Technician.* 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.

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	Water Well Driller's License #WWC-212 / LA / 06/30/25		
Year Registered		**Discipline**	Driller
Contract Role(s) / Brief Description of Responsibilities	Traffic-Related Services; 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.** *Drilling Supervisor.* Supervised the completion of preliminary field investigation consisting of 120 deep borings, 19 CPT soundings, and 26 shallow borings.
04/14-03/22	**SP No H.004435 / I-12 to Bush Segment 2, LA 3241 | St Tammany Parish, LA.** *Drilling Supervisor.* Oversaw 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.** *Drilling Supervisor.* Conducted 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 DOTD standards.
02/12-11/13	**SP No H.003495.5 / I-49 SEGENT K (I-220 TO MLK) | Caddo Parish, LA.** *Drilling Supervisor.* Conducted 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 DOTD standards.
07/09-11/11	**LA 1, Phase 1 and Phase 2 | Lafourche Parish, LA.** *Senior Driller.* Mr. Anthony performed drilling and CPT services for a geotechnical investigation conducted in Louisiana coastal marshes utilizing a fleet of customized airboats. This project included over 100 boring and CPT sounding sample locations.
07/18-Ongoing	**Mid-Breton Sediment Diversion | Plaquemines Parish, LA.** *Senior Driller.* 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.

Firm Employed By	Vectura Consulting Services, LLC		
Name	Sheelagh Brin Ferlito, PE, PTOE	**Years of Relevant Experience with this Employer**	9
Title	Supervisor-Eng	**Years of Relevant Experience with Other Employer(s)**	27
Degree(s) / Years / Specialization	BS / 1988 / Civil Engineer		
Active Registration Number / State / Expiration Date	PE. 0025383 / LA 09/30/2025		
Year Registered	1993	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 6		

07/21 - current	**H.007160 - EBR Computerized Traffic Signal, Phase VB | Baton Rouge, LA.** *Task Leader.* Responsible for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 – current	**MOVEBR New Capacity Projects Program Management | Baton Rouge, LA.** *Lead Traffic Engineer.* Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 – current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP | Belle Chasse, LA.** *Project Manager.* Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by DOTD.
09/20 – 12/21	**H.010960.5 LA 30 Roundabouts at Tanger I-10 | Ascension Parish, LA.** *Project Manager.* Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 – 04/19	**LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish | Addis, LA.** *Project Engineer.* Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	**US 11 at US 190 Bus (Fremaux Ave) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design | Slidell, LA.** *Project Engineer Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements.* Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
08/15-05/17	**Enhancing Guidance for Evacuation Time Estimate Studies Nuclear Regulatory Commission | Rockville, MD.** *Project Engineer.* Brin conducted an applied research study of US Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 “Criteria for Development of Evacuation Time Estimate Studies” in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the “large” population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.

Firm Employed By	Vectura Consulting Services, LLC		
Name	Laurence Lucius Lambert, II, PE, PTOE, PTP	**Years of Relevant Experience with this Employer**	9
Title	Supervisor-Eng	**Years of Relevant Experience with Other Employer(s)**	18
Degree(s) / Years / Specialization	BS /1997/Civil Engr. MS /2006/Civil Engr. (Transportation focus) M.B.A./2010		
Active Registration Number / State / Expiration Date	PE.0029901 / LA / 3/31/2026		
Year Registered	2002	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 6 and Data Collection and Traffic Management Plan Supervisor		

01/24 – 03/24	**St Tammany Hospital Pedestrian Safety Study | Covington, LA.** *Project Manager.* Laurence was the project manager for a pedestrian enhancement plan for the St Tammany Hospital. In response to a pedestrian hit in the parking lot, Vectura was hired to evaluate previous pedestrian improvement plans, collect traffic / pedestrian counts, speed data, and lighting conditions. Based on the data collected, Vectura developed a plan that included short term and long term improvements to enhance safety on and near the hospital campus.
12/23 – 08/24	**H.972501.1 South Range Road Operations Study Stage 0 Feasibility Study | Tangipahoa Parish, LA.** *Principal in Charge.* Laurence was the Principal in Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The corridor study included traffic data collection, pedestrian / bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.
05/23 – 05/24	**US 190B/Fremaux Ave Sidewalk Feasibility Study | Slidell, LA.** *Principal in Charge.* As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the principal in charge for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
07/19 – current	**MOVEBR New Capacity Projects Program Management | Baton Rouge, LA.** *Project Engineer.* At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
06/21 – 02/22	**H.013267 Capital Area Pathways Project | Baton Rouge, LA.** *Project Manager.* Laurence was the project manager for a traffic study to evaluate trail crossings at three state routes that required DOTD approval. The traffic design study included traffic data collection, safety analysis, existing conditions analysis and alternative analysis. Laurence used the DOTD Traffic Engineering Manual, MUTCD, and FHWA guidance to develop the most effective trail crossing alternatives.
02/21 – 02/22	**St Charles Land Use Update | St Charles, LA.** *Transportation Engineer.* As a subconsultant, Laurence was the lead transport engineer for the land use update plan for the parish of St Charles. The project consisted of identifying existing conditions, public participation / visioning, existing condition analysis, scenario development, and implementation.
09/20-04/21	**MOVEBR LA 67 (Plank Road) Enhancement Project | Baton Rouge, LA.** *Project Manager.* Laurence was the project manager to enhance transit, bicycle, and pedestrian mobility on Plank Road that required both City-Parish and DOTD approval. Laurence evaluated the proposed pedestrian crossings on LA 67 using the DOTD Traffic Engineering Manual pedestrian warrants found in Section 3B.2. Laurence also developed traffic operations evaluation of the traffic study which included traffic signal timing evaluations.
01/20 – 12/20	**Southern University Mobility Study | Baton Rouge, LA.** *Lead Transportation Engineer.* As a subconsultant to CPEX, Laurence was the lead transportation engineer for the Southern Mobility Study. Laurence inventoried the bicycle and pedestrian infrastructure on the university campus. Laurence then identified gaps and areas of future needs based on the scheduled improvements on campus. Laurence also made recommendations to standardize the bicycle and pedestrian facilities for future implementation.

Firm Employed By	Vectura Consulting Services, LLC		
Name	Reece Rodrigue, PE, PTOE, RSP1	**Years of Relevant Experience with this Employer**	4
Title	Engineer	**Years of Relevant Experience with Other Employer(s)**	7
Degree(s) / Years / Specialization	BS/2013/Civil Engr.		
Active Registration Number / State / Expiration Date	PE.0042074 / LA / 3/31/2026		
Year Registered	2017	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 6 and Project Engineer		

04/21 - current	**MOVEBR Direct Select for Traffic Signal Design | Baton Rouge, LA.** *Project Engineer.* Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
06/23 - Current	**H.012845.1 Connected & Autonomous Vehicles (C/AV) Team and Working Group Support | LA.** *Consultant.* Reece is a member of the team to develop new policies and legislation related to C/AV.
06/23 - Current	**H.011507.1 Monroe Phase 3 SEA | LA.** *Consultant.* Reece visited the project site to document the controller type and detection needs at each signalized intersection within the right of way.
07/21 - Current	**H.007160 - EBR Computerized Traffic Signal, Phase VB | Baton Rouge, LA.** *Engineer.* Reece is part of the team responsible for Construction Engineering and Inspection. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
01/23 – 02/24	**H.011504 Alexandria ITS Phase 2 | LA.** *Project Engineer.* Reece was the project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan.
06/22 – 02/23	**H.012381.5 ITS Fiber Management System Data Collection | LA.** *Engineer.* Reece performed the field observations for 40 sites to verify the ITS FMS and inventory services.
04/20 - Current	**H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project | Belle Chasse, LA.** *Project Engineer.* Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Rd. for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.
01/21 – 05/21	**H.013256 - I-10 ITS Scott to Lake Charles | Lafayette, Acadia, and Jefferson Davis Parishes, LA.** *Engineer.* Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.
09/20 – 12/21	**H.011909.5-4 Roundabout: US 171 at Boone St | Vernon Parish, LA.** *Engineer.* Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.

Firm Employed By	Vectura Consulting Services, LLC		
Name	Kristen Farrington, PE, PTOE, RSP1	**Years of Relevant Experience with this Employer**	3
Title	Engineer	**Years of Relevant Experience with Other Employer(s)**	7
Degree(s) / Years / Specialization	BS/ 2014 / Civil Engr		
Active Registration Number / State / Expiration Date	PE.0042785 / LA / 3/31/2025		
Year Registered	2018	**Discipline**	Professional Engineer, Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 6 and Project Engineer		

12/23 – current	**H.972501.1 South Range Road Stage 0 | Tangipahoa Parish, LA.** *Project Manager.* Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.
05/23 – 05/24	**US 190B/Fremaux Ave Sidewalk Feasibility Study | Slidell, LA.** *Project Manager.* As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
04/22 – 11/23	**H.013267 Capital Area Pathways Project | Baton Rouge, LA.** *Lead Designer.* Kristen is the lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and DOTD on the construction plan development as PHB's are a new traffic control device for DOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, DOTD and MUTCD guidance.
09/17 – 09/18	**H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621) | Ascension Parish, LA.** *Designer.* Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
04/18 – 04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 | St Landry Parish, LA.** *Project Engineer.* Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the DOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps.
04/19 – 6/21	**H.013817.1 A 117 Improvements Stage 0 | Vernon and Natchitoches Parishes, LA.** *Project Engineer.* Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane highway. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project.
03/19 – 11/19	**H.012311 LA 429 Connector Stage 0 | Ascension Parish, LA.** *Task Leader.* Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.

Firm Employed By	Marrero, Couvillon, & Associates, LLC		
Name	Christian Schade, PE	**Years of Relevant Experience with this Employer**	6
Title	Sr. Electrical Engineer	**Years of Relevant Experience with Other Employer(s)**	24
Degree(s) / Years / Specialization	BS / 1993 / Electrical Engineering		
Active Registration Number / State / Expiration Date	PE LA License No. 32483 / Exp. 09/30/2026		
Year Registered	2006	**Discipline**	Professional Engineer - Electrical
Contract Role(s) / Brief Description of Responsibilities	Electrical Engineer		

Bio: Mr. Schade's areas of expertise include electrical engineering, power distribution, power generation, lighting, specification writing and contract administration. His experience includes Power system analysis, consisting of load flow, fault, arc flash and coordination studies using SKM Power Tools for Windows and ETAP. Proficient with incident energy level method of Arc Flash calculations per NFPA 70E, 2015 version. Electrical design support for small to medium size projects in industrial facilities, including installation of new pumps, agitators, metering equipment, lighting, and power distribution centers

07/17 – 11/20	**DOTD I-10 and 73 Widening – Design Build | Baton Rouge, LA.** *Sr Electrical Engineer.* Provided electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project
04/18 – 02/20	**Port of New Orleans France Road – North, Roadway and Drainage Improvements | New Orleans, LA.** *Sr Electrical Engineer.* MCA provided the electrical and mechanical engineering services for the roadway, lighting, and drainage improvements.
11/16 – 6/17	**City of New Orleans Louis Armstrong New Orleans Airport International Airport Pavement Remediation at Eastern Side of Runway 11-29 | Kenner, LA.** *Sr Electrical Engineer.* Electrical design services for Pavement Remediation of sag in existing runway pavement on the eastern side of Runway 11-29 near Taxiway Alpha at the airport.
04/18 – 02/19	**City of New Orleans Howard Avenue Extension (Loyola Avenue to LaSalle Street) | New Orleans, LA.** .*Sr Electrical Engineer.* Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.
01/20-06/20	**City/Parish of East Baton Rouge Bluebonnet Blvd (Picardy to Highland) Roadway Lighting | Baton Rouge, LA.** *Sr Electrical Engineer.* The scope of work includes additional lane capacity in each direction. Bluebonnet Blvd is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the corridor. The project is to add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. MCA is responsible for all activities necessary to complete a lighting plan and a photometric analysis report that contains illumination analysis of all roadways and/or interchanges within the project limits and conform to illumination criteria specified in the design guidelines are included in this scope.
09/23-Ongoing	**DOTD I-20 Widening, Wells to LA34 Electrical and Lighting Design | Baton Rouge, LA.** *Sr Electrical Engineer.* The scope of work is to provide additional traffic capacity in each direction. This was accomplished primarily by increasing the entrance/exit ramps. MCA provided design services to analyze the existing conditions of the roadway lighting, which consisted of high pressure sodium fixtures on low mast poles, and provide modifications to the existing lighting systems as necessary to accommodate the changes in roadway geometry. This includes upgrading the existing fixtures to LED, re-position select poles, and upgrading the secondary controllers to current standards.

Firm Employed By	Marrero, Couvillon, & Associates, LLC		
Name	M. Kimball Schlafly, PE	**Years of Relevant Experience with this Employer**	5
Title	Sr. Electrical Engineer	**Years of Relevant Experience with Other Employer(s)**	36
Degree(s) / Years / Specialization	BS / 1988/ Electrical Engineering		
Active Registration Number / State / Expiration Date	PE LA License No. 27699 / Exp. 09/30/2026		
Year Registered	1998	**Discipline**	Professional Engineer - Electrical
Contract Role(s) / Brief Description of Responsibilities	MPR 7 and Electrical Engineer		

Bio: Mr. Schlafly has over 35 years of engineering experience in electrical engineering, project engineering and project management. He has been responsible for various projects requiring design of lighting, low and medium voltage power distribution, standby and emergency power systems, telecommunications, fire alarm, access control, video surveillance, and theatrical audio/visual and lighting systems.

07/17 –11/20	**LAOTD I-10 and 73 Widening – Design Build | Baton Rouge, LA.** *Sr Electrical Engineer.* Provided electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project.
04/18 – 02/19	**City of New Orleans Howard Avenue Extension (Loyola Avenue to LaSalle Street) | New Orleans, LA.** *Sr Electrical Engineer.* Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.
01/20-06/20	**City/Parish of East Baton Rouge Bluebonnet Blvd (Picardy to Highland) Roadway Lighting | Baton Rouge, LA.** *Sr Electrical Engineer.* The scope of work includes additional lane capacity in each direction. Bluebonnet Blvd is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the corridor. The project is to add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. MCA is responsible for all activities necessary to complete a lighting plan and a photometric analysis report that contains illumination analysis of all roadways and/or interchanges within the project limits and conform to illumination criteria specified in the design guidelines are included in this scope.
09/23-On-going	**DOTD I-20 Widening, Wells to LA34 Electrical and Lighting Design | Baton Rouge, LA.** *Sr Electrical Engineer.* The scope of work is to provide additional traffic capacity in each direction. This was accomplished primarily by increasing the entrance/exit ramps. MCA provided design services to analyze the existing conditions of the roadway lighting, which consisted of high pressure sodium fixtures on low mast poles, and provide modifications to the existing lighting systems as necessary to accommodate the changes in roadway geometry. This includes upgrading the existing fixtures to LED, re-position select poles, and upgrading the secondary controllers to current standards.
9/2023-Ongoing	**City/Parish of East Baton Rouge and DOTD I-10 and Pecue Lane - Lighting design | Baton Rouge, LA.** *Sr Electrical Engineer.* Currently, there is no access to I-10 from Pecue Lane and the existing Pecue Lane consists of 2 traffic lanes. The existing overpass will be removed and replaced with two overpass structures, with 3 lanes in each direction. Pecue Lane will be reconstructed to a curb and gutter section, with a raised median and 3 lanes in each direction. South of I-10 there will be two bridge structures for Pecue to cross Ward's Creek. Cost: $36M

17 Firm Experience

Firm Name	Halff		Past Performance Evaluation Discipline(s)*		Road
Project Name	Shreveport 2020 Roadway and Drainage Master Service Agreement			Firm Responsibility	Prime
Project Number	N/A	Owner's Name	City of Shreveport		
Project Location	Shreveport, Louisiana		Owner's Project Manager	David Smith, PE | City Engineer	
Owner's Address, Phone, Email	City of Shreveport PO Box 31109 Shreveport, LA 71130, 318.673.6050, david.smith@shreveportla.gov				
Services commenced by this firm (mm/yy)	09/22		Total consultant construct cost ($1,000s)		$7,046
Services completed by this firm (mm/yy)	Ongoing		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 38 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 improvement project along Audrey Lane, from Kelsey Street to the south end of Audrey Lane. This project involved the rehabilitation of approximately 3,700 linear feet of existing concrete roadway, driveways, and sidewalks, ensuring ADA-compliant accessibility at each intersection. The design also addressed existing drainage issues along Audrey Lane. Notably, Halff's implementation of subsurface drainage systems south of W. Aline Avenue significantly reduced water accumulation and enhanced the road's lifespan, marking a significant achievement for the project.

Task 010: David Raines Road Rehabilitation: Halff provided comprehensive engineering design services for a roadway improvement project along David Raines Road, from Dr. Martin Luther King Drive to LA Highway 173 (Hilry Huckaby III Avenue) in Shreveport, LA. The existing roadway was plagued by damaged and aged concrete panels, as well as deteriorated curbs and sidewalks, making travel unpleasant. Halff's expertise aimed to address these issues and enhance the overall quality of the roadway. The project included the design of concrete panel replacements, new curbs, and sidewalks. Additionally, the Halff team assisted the City with utility coordination, bidding services, and construction administration. They closely collaborated with SWEPCO, the City of Shreveport Water Department, CenterPoint Gas, and AT&T to avoid uninterrupted services.

Task 012: Emergency Backup Traffic Signal Generators: Halff provided engineering design services for the installation of emergency backup traffic signal generators at fifteen signalized intersections in Shreveport, LA. These intersections were selected based on the frequency of crashes occurring between 2012 and 2021. Halff developed detailed plans and construction cost estimates for the installation. The project adhered to the 2016 Louisiana Standard Specifications for Roads and Bridges, with any additional specifications submitted as Special Provision Specifications.

Task 025: ARP Roadway Concrete Panel Replacement: Halff provided surveying, geotechnical, and engineering design services to rehabilitate and improve three residential streets. These roadways consist of approximately 1,577 linear feet of Portland cement concrete pavement. The existing roadways have damaged concrete panels, curbs, and sidewalks. The design encompassed the reconstruction of concrete panels, curbs, and sidewalks where necessary, along with the incorporation of ADA-accessible ramps at each intersection. These enhancements aimed to improve safety, accessibility, and overall quality of life for residents. Halff coordinated closely with utility companies to address potential conflicts to avoid uninterrupted services.

Task 026: ARP Roadway Rehabilitation Improvements: Halff provided surveying, geotechnical, and engineering design services to rehabilitate and improve thirteen streets, totaling approximately 6,883 linear feet of asphaltic concrete pavement. The designs will include the reconstruction of asphaltic concrete pavement sections, replacement of base courses where necessary, mill and overlay rehabilitation, concrete panel design with curbs and gutters, and any required drainage improvements. The curb and gutter systems were essential for directing surface water to drainage inlets to help prevent water from pooling on the roadways and sidewalks, reducing the risk of water damage and improving safety.

Task 037: Halff provided comprehensive surveying, geotechnical, and engineering design services for the widening of the intersection and adding a traffic signal at Flournoy Lucas Road and Wallace Lake Road. The project aims to enhance traffic flow by adding a left turn lane to each approach. The design also included the installation of subsurface drainage around the intersection and the replacement of an existing culvert approximately 475 feet west of the intersection under Flournoy Lucas Road. Additionally, this project required coordination with incorporated plans for the widening of Flournoy Lucas Road at Lucian Way and Wallace Lake Road at Cessna Drive.

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

Description

Halff provided engineering design services for a roadway improvements project along Linwood Avenue from Mount Zion Road to West 84th Street 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 DOTD 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 DOTD Urban System Program Project

Project Highlights

- Coordination with DOTD
- Coordination with City of Shreveport

Firm Name	Halff		Past Performance Evaluation Discipline(s)*		Road
Project Name	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 contract 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	Halff		Past Performance Evaluation Discipline(s)*		Traffic
Project Name	Airport Boulevard			Firm Responsibility	
Project Number	N/A	Owner's Name	City of Austin		
Project Location	Austin, Texas		Owner's Project Manager	Randy Harvey	
Owner's Address, Phone, Email	1501 Toomey Road, Austin, TX 78704, 512.974.7646, randy.harvey@austintexas.gov				
Services commenced by this firm (mm/yy)	7/23		Total consultant contract cost ($1,000s)		$26,073
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000s)		$26,073

Staff Involved: Paul Easley, RJ Endsley, Eric Ratzman, Brandyn Littleton,Matt Bucchin, Cara Rouvaldt, Samantha Kaschel, Jeffrey Nagy, Jopert Gavino, Katie Lewis, Brandi White, Chris Sanderson, Greg Jacobs, Jason Diamond, Mark Lewis, Jr.,

Description

Austin voters approved $720 million in bonds in 2016 for transportation, transit, and mobility improvements throughout the city. Halff was responsible for this 6.5-mile urban arterial, from US 183 to North Lamar, with an overall project goal to address some of Austin's biggest mobility challenges by increasing the number of people who can travel through the corridor; expanding transportation options by improving the safety and connectivity of Austin's current sidewalk and bicycle networks and bus stops; and improving safety through various intersection improvements throughout the corridor. The corridor improvements included approximately 6.5 miles of road rehabilitation, geometric improvements, shared use paths, protected and unprotected bike lanes, sidewalk, on-street parking, curb and gutter, drainage and storm sewer.

The Airport Boulevard project has significant similarities with segments 2, 3, and 4 where the alignment is in a busy urban corridor with the ROW, utility, drainage, and traffic challenges for the integration of a true multimodal corridor in the Austin metropolitan area. Specifically, this project enhanced safety by augmenting sidewalks, adding dedicated bicycle lanes, and improving transit connections. Traffic signals along the corridor at all intersections were redesigned to accommodate the needs of a multimodal system.

Airport Boulevard is a transit corridor, and the MetroRail Red Line runs parallel to this corridor. In addition, primary local bus services depend on this corridor to achieve connections with other routes and components of the transit system. Also embedded in the ROW is a MetroBike trail that connects Austin Community College with Airport Station and Crestview Station which is located at the end of the corridor. Crestview Station is a significant transit hub connection between MetroRail, MetroRapid, MetroBus, and MetroBike as a first and last-mile connection.

During these efforts, Halff met with CapMetro to discuss ways to confirm transit efficiency and operability. This led to the relocation of many of the existing bus stops to the far side of their associated intersections and the incorporation of detailed connection points to help maintain the reliable timeliness of the CapMetro routes. The full corridor complied with the Americans with Disabilities Act (ADA) to verify that it was a corridor for all ages and abilities.

Bike/Pedestrian: This rehabilitation project proposed multiple pedestrian hybrid beacons along 6.5 miles due to high traffic volumes and speeds. On account of pedestrian fatalities, the City of Austin (COA) determined that an Indefinite Delivery/Indefinite Quantity (IDIQ) approach was most suitable to expedite the pedestrian hybrid beacon design and construction at 40th and Antone Streets. This process eliminated the need for a lengthy bidding process and streamlined the safety of the pedestrians at this high-risk location. In addition to expediting the design and construction process, ongoing coordination between Halff, the contractor, and the City led to improved communication, increased transparency, and a better overall project outcome.

Environmental: Halff prepared documentation for the project in support of a Categorical Exclusion (CE) that required waters of the US (WOTUS) delineations, United States Army Corps of Engineers (USACE) permitting, archeological survey, historical reconnaissance survey, and coordination with the Texas Historical Commission (THC), federally recognized tribes, Texas Commission on Environmental Quality (TCEQ), local floodplain administrators, and Texas Parks & Wildlife Department (TPWD). The project received environmental clearance from the TxDOT Austin District in June 2021.

Placemaking: Halff proposed an overarching placemaking strategy that defined the Airport Boulevard corridor by creating places interconnected with the surrounding community. Halff's planners used visual icons, wayfinding, and other elements to create a sense of place. By the creation of interconnected and unified spaces, the overall goal of the strategy brings attention to the value of the corridor as a connection between 28 Austin neighborhoods, eight arterial nodes, two gateways, four identifiable districts, two significant highways, and one current high-speed, limited access transit line.

Firm Name	Halff		Past Performance Evaluation Discipline(s)*		Other (Transit)
Project Name	Westgate Transit Center			Firm Responsibility	Prime
Project Number	N/A	Owner's Name	Capital Metropolitan Transportation Authority (CapMetro)		
Project Location	Austin, TX		Owner's Project Manager	Ken Cartwright	
Owner's Address, Phone, Email	2910 East 5th Street, Austin, TX 78702, 512.389.7552, kenneth.cartwright@capmetro.org				
Services commenced by this firm (mm/yy)	08/18		Total consultant contract cost ($1,000s)		$453
Services completed by this firm (mm/yy)	06/19		Cost of consultant services provided by this firm ($1,000s)		$453
Staff Involved: Dan Franz, Ben Marshall, Jeffrey Nagy, Paul Helms					

Description

The Westgate Transit Center is a new Park and Ride facility and bus transit station intended to serve South Austin's public transit riders through a partnership between Capital Metro and TxDOT. The project is located underneath the main lanes bridge structure of Ben White Boulevard, entirely within the TxDOT right of way. The project consists of a 10-bay bus transit area, an operator's restroom facility, and a 203-space park & ride with associated utilities and drainage. The site design incorporates low-impact development features such as direct rainwater irrigation, solar power, and electric vehicle charging stations. Capital Metro selected Halff under an existing IDIQ contract to prepare design plans which would accommodate these features. Construction phase services included providing submittal review, responses to RFI's, site visits, participation in progress meetings, and record drawings. Halff and our subconsultants provided survey design, civil engineering, landscape architecture, architectural, structural, and MEP design of the restroom facility. There are numerous structural concrete columns that support the elevated highway above the site that must remain in place, some of which have internal storm drain downspouts that daylight at their base. These physical obstacles constrain vehicular circulation, act as visual barriers causing safety concerns, and create drainage issues for the proposed improvements. Halff engineers worked to provide an efficient layout maximizing the number of parking spaces, allowing for internal circulation of buses and passenger cars while accommodating the downspout drainage through naturalized channels which adds to the aesthetic appeal of the site.

Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Traffic
Project Name	Traffic Signal Design and Traffic Engineering Retainer Contracts			Firm Responsibility	Prime
Project Number	44-25299 / 44-0651 / 44-2630 / 44-4064	Owner's Name	DOTD		
Project Location	Baton Rouge, LA		Owner's Project Manager	Ryan Hoyt, PE, PTOE	
Owner's Address, Phone, Email	P.O. Box 94245, Baton Rouge, LA 70804, 225.379.1370, ryan.hoyt@la.gov				
Services commenced by this firm (mm/yy)	01/09		Total consultant contract cost ($1,000s)		$12,250
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000s)		$8,280

Staff Involved: Nick Ferlito, Ellen Howard Jonathan Duhe, Katie Odenthal, William Fulcher, Lonny Territo, Charles Adams

Description

From 2009 to present, NSI was selected by the Louisiana Department of Transportation and Development, through its consultant selection process, for the following traffic signal design and traffic engineering retainer contracts.

- Contract No. 4400000651 – Traffic Signal Design and Traffic Engineering Retainer Contact Statewide (2009-2013), $2.25M
- Contract No. 4400002630 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2012-2015), $2.0M
- Contract No. 4400004064 – Traffic Signal Design and Traffic Engineering Retainer Contract Statewide (2014-2017), $3.0M
- Contract No. 4400025299 – IDIQ Contract for Traffic Engineering (2023 – 2028), $5.0M

Under these retainer contracts, traffic counting (data collection), warrant analysis, traffic analysis and modeling using HCS/Synchro/Vissim, intersection/corridor analysis, traffic signal design, and traffic signal inventories (TSI) were performed on a task order basis. Specific projects completed under these task orders are as follows.

Contract 44-0651
LA 24 Signal Upgrade Plans (Houma, LA)
US 165 Corridor Study using Vissim (Pineville, LA)
US 71/LA 28 Signal/Timing Design (Alexandria, LA)
US 190 Superstreet Corridor Study (Covington, LA)
LA 447 Corridor Study (Walker, LA)
LA 1208-3 Signal Timing Study (Alexandria, LA)

Contract 44-2630
LA 16 Corridor Study (Watson, LA)
District 62 Signal Inventory (255 intersections)
LA 1088 Corridor Study (Mandeville, LA)
LA 21 Corridor Study (Covington, LA)
LA 42 Corridor Study (Ascension Parish, LA)
US 190 (Collins Blvd.) Corridor Study (Covington, LA)

Contract 44-4064
LA 22 Corridor Study (Mandeville, LA)
US 71/ LA 28 Signal TIming Study (Alexandria, LA)
LA 1208-3 Corridor Study (Alexandria, LA)
LA 22 Corridor Study (Ponchatoula, LA)
US 425/US 84 Corridor Study (Ferriday/Vidalia, LA)
US 171/US 190 Signal TIming Study (DeRidder, LA)

Contract 44-25299
District 02 FYA, Part 2 (Houma, LA)
LA 47 (Haynes Blvd.) Safety Study (New Orleans, LA)

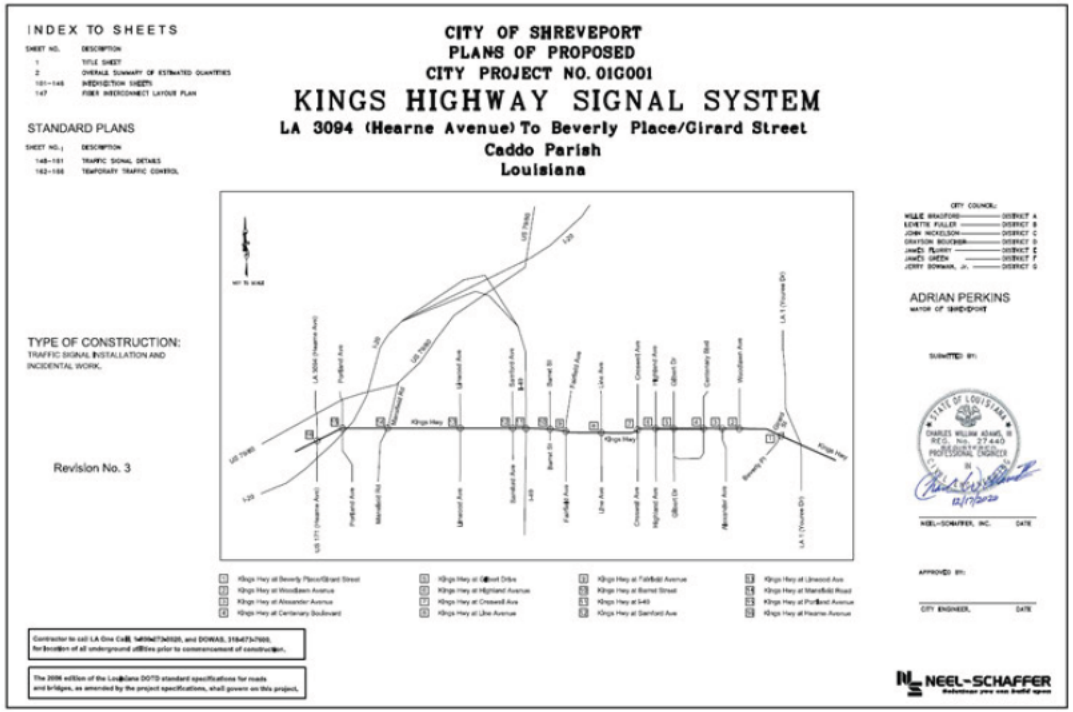
Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Traffic
Project Name	Kings Highway Signal System			Firm Responsibility	Prime
Project Number	01G001	Owner's Name	City of Shreveport		
Project Location	Shreveport, LA		Owner's Project Manager	Robert Tomasek	
Owner's Address, Phone, Email	401 Texas Street, Shreveport, LA 71101, 318.562.0771, Robert.Tomasek@shreveportla.gov				
Services commenced by this firm (mm/yy)	09/12		Total consultant contract cost ($1,000s)		$86.3
Services completed by this firm (mm/yy)	12/20		Cost of consultant services provided by this firm ($1,000s)		$86.3
Staff Involved: Nick Ferlito, Charles Adams, Jonathan Duhe					

Description

The Kings Highway Signal System project was a project to upgrade the existing traffic signal equipment at 16 intersections between LA 1 (Youree Drive) and US 171 (Hearne Avenue). The project included updating all existing signal equipment at each intersection and adding gas powered backup generators.

The project included intersection surveys, design plans, cost estimates, and Traffic Signal Inventory sheets. The design included new signal timings, signal equipment layout, and a fiber optic plan.

The deliverables included preliminary and final plans, quantities and cost estimate, and new Traffic Signal Inventory sheets for each intersection.


INDEX TO SHEETS

STANDARD PLANS

TYPE OF CONSTRUCTION:
TRAFFIC SIGNAL INSTALLATION AND INCIDENTAL WORK.

Revision No. 3

CITY OF SHREVEPORT
PLANS OF PROPOSED
CITY PROJECT NO. 01G001

KINGS HIGHWAY SIGNAL SYSTEM

LA 3094 (Hearne Avenue) To Beverly Place/Girard Street
Caddo Parish
Louisiana

ADRIAN PERKINS

NEEL-SCHAFFER

Firm Name	Neel-Schaffer, Inc.		Past Performance Evaluation Discipline(s)*		Planning
Project Name	US 167: I-10 to Willow Street Road Safety Assessment			Firm Responsibility	Prime
Project Number	4400010504, H014959.1	Owner's Name	DOTD		
Project Location	Lafayette Parish, LA		Owner's Project Manager	Trey Jesclard	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225.379.1445, trey.jesclard@la.gov				
Services commenced by this firm (mm/yy)	1/22		Total consultant contract cost ($1,000s)		$75
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000s)		$75
Staff Involved: Nick Ferlito, Peter Allain, Jonathan Duhe, and Seth Popay					

Description

Neel-Schaffer was contracted to conduct a Road Safety Assessment (RSA) along Evangeline Thruway and Service Roads from the 1-10 Interchange to Willow Street with an emphasis on pedestrian and bicycle mobility within the study area. The purpose of the RSA is to evaluate existing conditions and crashes, with an emphasis on pedestrian and bicycle crashes, to identify potential road safety issues and identify opportunities for feasible safety improvements.

The RSA will include the following tasks:

Data Collection: NSI will perform a site visit documenting existing roadway characteristics and conditions; existing pedestrian and bicycle facilities and ADA compliance; pedestrian and bicycle observations within the study area; document land use / people generators within the study area; and document socioeconomic information from the LSU/CARTS Study.

Road Safety Assessment: The RSA will consist of a pre-briefing meeting and on-site field visit with the RSA team. Upon completion of the data collection, NSI will provide the RSA schedule to District personnel and DOTO Headquarters so they will have adequate advance notice of upcoming RSA. NSI will distribute data to include collision diagrams, photo logs, etc. to the team members prior to the pre-briefing meeting.

Identify Alternatives / Countermeasures: Based on countermeasures/alternatives recommended from the RSA onsite visit, NSI will evaluate each countermeasure/alternative base on applicable crash modification factors; consistent with DOTO Design Guidelines, Manuals & MUTCD; high-level cost estimates; and safety benefit when available or based on engineering judgement (i.e. correctable crashes). After the countermeasures/alternatives have been evaluated, the recommended countermeasures/ alternatives shall be coordinated with the RSA team and the team shall reach a consensus regarding the recommended countermeasures/alternatives.

Preparation of RSA Report: The report will include summary of existing conditions; summary of crash data; summary of RSA onsite visits; approved countermeasure recommendations/alternatives; safety-benefits/CMFs; high-level cost-estimates; planning level benefit-cost; schematics/conceptual layouts; high-level feasibility; recommended next-steps/potential barriers; priority and needs list for Phase 2; meeting minutes in appendices.

Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*		Survey, Other (SUE), Right of Way
Project Name	Jimmie Davis Bridge (LA 511) Design-Build			Firm Responsibility	Sub
Project Number	H.001779	Owner's Name	DOTD Baton Rouge/ James Construction/ Huval & Associates, Inc.		
Project Location	Bossier & Caddo Parishes, LA		Owner's Project Manager	Mr. Aaron Dupont	
Owner's Address, Phone, Email	18484 E. Petroleum Drive, Baton Rouge, LA 70809, 225.442.6362, adupont@prim.com				
Services commenced by this firm (mm/yy)	01/22		Total consultant contract 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: B. Bunch, G. Gilleon, P. Staiano, A. Schulze; I. Jack, C. Harlan, M. King, C. Chapman, T. Sitton, A. King, W. Offer, W. Wales, B. Davis, C. Higginbotham					

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, 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 a bridge closure to verify the horizontal and vertical control set by DOTD during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. All of this was completed during night shifts to keep workers and the traveling public safe and avoid traffic disruptions.

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

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

Project Relevance

- Static GPS control
- Topographic/property surveying
- Traffic control
- Utility coordination

Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*		Survey, Right of Way, & Other (SUE)
Project Name	CenterPoint Surveying Services MSA			Firm Responsibility	Prime
Project Number	Over 100 projects with different numbers	Owner's Name	CenterPoint Energy		
Project Location	North & South Louisiana Parishes		Owner's Project Manager	Mr. Ronald E. (Gene) Prather, PLS	
Owner's Address, Phone, Email	1111 Louisiana Street, Houston, TX 77002, 318.429.4211, ronald.prather@centerpointenergy.com				
Services commenced by this firm (mm/yy)	08/22		Total consultant contract cost ($1,000s)		$918.7
Services completed by this firm (mm/yy)	On-going		Cost of consultant services provided by this firm ($1,000s)		$918.7

Staff Involved: B.Bunch, G. Gideon, P. Staiano, M. King, A. Schulze, C. Harlan, A. King, I. Jack, T. Sitton, B. Davis, C. Chapman, W. Wales, C. Higginbotham, W. Offer, C. Chapman

Description

NTBA performs topographic surveys, boundary surveys, right of way mapping, QL B subsurface utility designating services, and surveys in support of SUE for CenterPoint Energy as part of an on-going contract statewide in support of CenterPoint Energy's maintenance and construction projects. NTBA began working directly as a surveying subconsultant for CenterPoint Energy in 2022, and to date NTBA has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain. Prior to 2022, NTBA performed the same work for CenterPoint under a separate contract with JW Porter. NTBA's projects range from single day surveying projects on residential properties to multi mile utility locating and right of way surveying projects. The scope of a typical project is a surveying project to locate sufficient topographic survey data and boundary monumentation to reestablish existing property lines, existing road right of way lines, and existing utility servitudes before staking the proposed right of way for CenterPoint's construction group.

A typical job includes reviewing all provided title research and requests for additional plats, deeds, etc. that may be needed from CenterPoint or performing our own title takeoffs. A project survey control is established, the search for property monumentation and property surveying begins. NTBA's staff of professional land surveyors then reviews the data for completeness and performs boundary analysis and calculations for development of stakeout files for the field crews to stake the existing and/or proposed right of way. After completion of the field work, NTBA's survey and CADD technicians prepare the required COGO and CADD files for submission to CenterPoint. If required, a plat or plan and profile sheet will be prepared.

Project Relevance

- Topographic surveys
- Boundary surveys
- Right of way mapping
- QL B subsurface utility designating
- SUE support surveys

Firm Name	NTB Associates, Inc.		Past Performance Evaluation Discipline(s)*		Survey & Other (SUE)
Project Name	I-10: LA 415 to Essen Lane on I-10 and I-12			Firm Responsibility	Prime
Project Number	44-12323, 44-17713, 44-14660 - Multiple TOs	Owner's Name	DOTD Baton Rouge		
Project Location	West & East Baton Rouge Parishes, LA		Owner's Project Manager	Mr. Nicholas J. Olivier, PE	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225.379.1133, nicholas.olivier@la.gov				
Services commenced by this firm (mm/yy)	12/17		Total consultant contract cost ($1,000s)		$8,743
Services completed by this firm (mm/yy)	On-going		Cost of consultant services provided by this firm ($1,000s)		$5,375
Staff Involved: B. Bunch, G. Gilleon, P. Staiano, M. King, A. Schulze, C. Harlan, A. King, I. Jack, T. Sitton, B. Davis, C. Chapman, W. Wales, W. Offer, Ch. Higginbotham					

Description

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

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

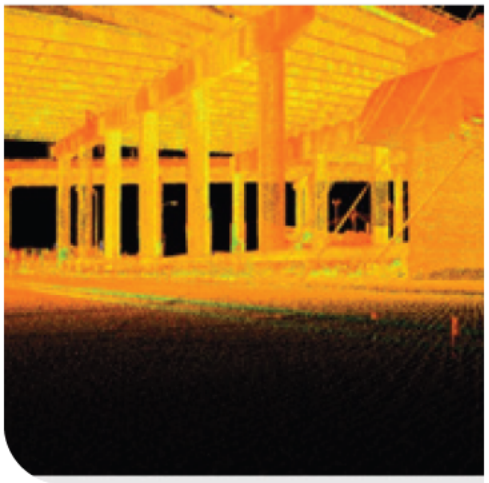
NTBA also developed surface models from lidar data obtained from our survey crews as well as those of the three other sub-consultants. This involved much coordination with the sub-consultants to verify that the surfaces were seamless at the transitions between the different surveys.

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

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

Project Relevance

- Static GPS control surveys
- Topographic surveying services
- HDS 3D Terrestrial Laser Scanning
- Subsurface Utility Engineering



Firm Name	Ardaman & Associates, Inc.		Past Performance Evaluation Discipline(s)*		Geotech
Project Name	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167)			Firm Responsibility	Sub
Project Number	SP No. H.004273.5	Owner's Name	DOTD (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 contract cost ($1,000s)		$21,000
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000s)		$1,889
Staff Involved: Robert Jewell, Megan Bourgeois, Robert Rousset, Jarmon King					

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

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 DOTD 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 DOTD 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.

Firm Name	Ardaman & Associates, Inc.		Past Performance Evaluation Discipline(s)*		Geotech
Project Name	Nicholson Drive (LA HWY 30) Segment 1			Firm Responsibility	Sub
Project Number	SP. No. H.002825	Owner's Name	DOTD		
Project Location	East Baton Rouge Parish, LA		Owner's Project Manager	Chris Nickel	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA, 225.379.1100, Chris.Nickel@la.gov				
Services commenced by this firm (mm/yy)	06/20		Total consultant contract cost ($1,000s)		$9
Services completed by this firm (mm/yy)	10/20		Cost of consultant services provided by this firm ($1,000s)		$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 thirteen (13) shallow soil borings and two (2) deep soil borings. The shallow soil borings were drilled to a depth of 6 feet below existing ground surface (bgs) and the deep soil borings were terminated at 40 feet in depth.

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

Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic
Project Name	Stage 0 Feasibility Study – US 190/Fremaux Avenue Sidewalk Study			Firm Responsibility	Sub
Project Number	H.972462.1	Owner's Name	New Orleans Regional Planning Commission		
Project Location	Slidell, LA		Owner's Project Manager	Nelson Hollings	
Owner's Address, Phone, Email	10 Veterans Boulevard, New Orleans, LA 70124, 504.483.8523, nhollings@norpc.org				
Services commenced by this firm (mm/yy)	12/23		Total consultant contract cost ($1,000s)		$65
Services completed by this firm (mm/yy)	07/24		Cost of consultant services provided by this firm ($1,000s)		$30
Staff Involved: Kristen Farrington, Gustavo Clavijo, Cade Nelson, Brin Ferlito and Laurence Lambert (100% performed in Louisiana)					

Description

Vectura prepared a formal traffic study to determine the feasibility of constructing a sidewalk along US 190 in Slidell, LA. The traffic study examined concepts that improved the safety and efficiency for bicyclists and pedestrians consistent with the latest DOTD policies related to access management and complete streets.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

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

Task 2 Traffic Study

This task included the following elements:

- Performed Synchro analyses for existing conditions
- Performed Synchro analyses for implementation and design years
- Developed draft traffic study report

Task 3 Safety Analyses

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

Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic
Project Name	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study			Firm Responsibility	Sub
Project Number	N/A	Owner's Name	City of Slidell		
Project Location	Slidell, LA		Owner's Project Manager	Eric Lundin	
Owner's Address, Phone, Email	250 Bouscaren St. Slidell, LA 70458, 985.646.4320, elundin@cityofslidell.org				
Services commenced by this firm (mm/yy)	9/17		Total consultant contract cost ($1,000s)		Unknown
Services completed by this firm (mm/yy)	11/17		Cost of consultant services provided by this firm ($1,000s)		$38.8
Staff Involved: Brin Ferlito, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)					

Description

Vectura was hired as a sub-consultant to the prime consultant to perform a traffic study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). The goal of the study was to determine if a pedestrian crossing and pedestrian traffic signal heads were warranted. To conduct the pedestrian study, the following tasks were performed by Vectura:

Data Collection

- AM and PM peak hour turning movement counts for five intersections
- AM / PM peak 15-minute turning movement counts for 10 driveways on Fremaux Ave.
- 24-hour traffic approach volumes, speed data, crash history and sight distance for the intersection of US 190 Bus. (Fremaux Ave.) @ US 11 (Front St).
- Weekday and weekend pedestrian counts for the intersection of US 190 Bus. (Fremaux Ave.) @ US 11 (Front St).

Draft Traffic Study

This task included a Crosswalk Traffic Study for US 190 Bus. (Fremaux Ave.) @ US 11 (Front St.) as Per DTOE, Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 6.

This task included the following elements:

- Developed three-year crash analyses
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed Vistro and HCS analyses for AM and PM Peak existing conditions, Implementation and design year conditions. The analyses included intersection and segment levels of service as well as signal timing and progression for the five intersections.
- Developed traffic study and electronic files. The Study documented how traffic will be routed with the proposed median on Fremaux Ave., the impacts to Front St., and conflict analysis for the crosswalks and pedestrian heads.

Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)*		Traffic
Project Name	South Range Road Safety and Operational Enhancements Stage 0			Firm Responsibility	Sub
Project Number	T-1.24RR	Owner's Name	New Orleans Regional Planning Commission		
Project Location	Tangipahoa Parish, LA		Owner's Project Manager	Nelson Hollings	
Owner's Address, Phone, Email	10 Veterans Boulevard, New Orleans, LA 70124, 504.483.8523, nhollings@norpc.org				
Services commenced by this firm (mm/yy)	12/23		Total consultant contract cost ($1,000s)		$55
Services completed by this firm (mm/yy)	07/24		Cost of consultant services provided by this firm ($1,000s)		$40
Staff Involved: Brin Ferlito, Laurence Lambert, and Bridget Robicheaux (100% performed in Louisiana)					

Description

The purpose of this study was to conduct a corridor analysis along this portion of Range Road in the Hammond area of Tangipahoa Parish. This study examined the specific operating conditions of the intersection of Old Covington Highway and Range Road, land uses and operations or nearby trip generating land uses, and to identified conceptual, feasible improvements at and adjacent to the intersection that would enhance the safety and operations of all roadway users of said corridor.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

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

Task 2 Traffic Study

This task included the following elements:

- Performed Synchro analyses for existing conditions
- Performed Synchro analyses for implementation and design years
- Developed draft traffic study report

Task 3 Safety Analyses

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

Firm Name	Marrero, Couvillon, & Associates, LLC		Past Performance Evaluation Discipline(s)*		Road
Project Name	I-10 and Pecue Lane - Lighting			Firm Responsibility	Sub
Project Number	09-CS-US-0041	Owner's Name	East Baton Rouge Parish/City of Baton Rouge/DOTD		
Project Location	Baton Rouge, LA		Owner's Project Manager	Gary McClure (Shread-Kuyrkendall)	
Owner's Address, Phone, Email	13016 Justice Ave, Baton Rouge, LA 70816, 225.296.1335, gmcclure@skaengr.com				
Services commenced by this firm (mm/yy)	07/17		Total consultant contract cost ($1,000s)		$36,000
Services completed by this firm (mm/yy)	02/21		Cost of consultant services provided by this firm ($1,000s)		$131
Staff Involved: M. Kimball Schlafly, PE; Christian Schade, PE					

Description

The civil work consisted of adding new access points to I-10 and new overpasses expanded to three lanes. Lighting design included areas along Pecue Lane, as well as the new overpasses and entrance and exit ramps, utilizing LED fixtures mounted on both high mast and low mast poles. Lighting design also required the establishment of new electrical services and secondary controllers for all of the new lighting. Chris Schade provided the construction administration, and Kimball Schlafly provided the project management.

Firm Name	Marrero, Couvillon, & Associates, LLC		Past Performance Evaluation Discipline(s)*		Road
Project Name	DOTD I-10 Widening, LA73 to LA30			Firm Responsibility	Sub
Project Number	DOT22009.801	Owner's Name	DOTD		
Project Location	Baton Rouge, LA		Owner's Project Manager	John Raymond (Shread-Kuyrkendall)	
Owner's Address, Phone, Email	1201 Capital Access Road, Baton Rouge, LA, 225.296.1335, jraymond@skaengr.com				
Services commenced by this firm (mm/yy)	09/22		Total consultant contract cost ($1,000s)		Unknown
Services completed by this firm (mm/yy)	001/24		Cost of consultant services provided by this firm ($1,000s)		$186
Staff Involved: M. Kimball Schlafly, PE; Christian Schade, PE					

Description

MCA scope of services is to modify the existing high mast lighting at LA73 interchange, as needed to accommodate the widening of I-10. This required a photometric analysis to be performed on the existing conditions, and again on the proposed relocation for the high mast poles to accommodate the added travel lanes and new bridge construction over LA73. The high mast poles shall be re-used, with new LED light fixtures and lowering devices provided. Design was completed by Chris Schade. Kimball Schlafly is providing the project management. Project is currently awaiting bid by DOTD.

Firm Name	Marrero, Couvillon, & Associates, LLC		Past Performance Evaluation Discipline(s)*		Road
Project Name	Bluebonnet Blvd. Roadway Lighting			Firm Responsibility	Sub
Project Number	19-CP-HC-0034	Owner's Name	East Baton Rouge Parish/City of Baton Rouge		
Project Location	Baton Rouge, LA		Owner's Project Manager	Kate Brady Prejean, PE	
Owner's Address, Phone, Email	10000 Perkins Rowe, Suite 640, Baton Rouge, LA 70810, 225.368.2818, kbprejean@hntb.com				
Services commenced by this firm (mm/yy)	07/20		Total consultant contract cost ($1,000s)		Unknown
Services completed by this firm (mm/yy)	12/20		Cost of consultant services provided by this firm ($1,000s)		$59
Staff Involved: M. Kimball Schlafly, PE; Christian Schade, PE					

Description

The scope of work includes additional lane capacity in each direction. Bluebonnet Boulevard is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the entire corridor. The project will add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. Lighting and electrical design is ongoing, and provides new low-mast lighting utilizing LED fixtures on aluminum poles with breakaway bases, and will cover the entire stretch of roadway from Perkins Road to Picardy Ave. All photometric analysis was performed using Agi32 and approved by MoveBR. The lighting levels were determined from the traffic analysis and supported the increased pedestrian and bicycle traffic anticipated with the installation of new sidewalks and bike lanes. Kimball Schlafly and Chris Schade provided the electrical design, and Mr. Schlafly provided project management.

18 Approach and Methodology

Understanding of the Project and Objectives

Kings Highway (Hwy) in the center of Shreveport, Louisiana, serves as the transportation link to a regional hub for medical services, medical offices, and training. It is an historic corridor and serves to welcome the local community and visiting medical care recipients, doctoral students, and medical technology experts to state-of-the-art medical assets and facilities. Ochsner LSU Health Shreveport - Academic Medical Center (Ochsner) provides critical services to the socially vulnerable community, as well as providing north Louisiana's only Level 1 trauma center, pediatric trauma program, comprehensive stroke center, and burn unit. This valued asset deserves transportation and pedestrian infrastructure that matches the demands and the aesthetics of the medical facilities, and provides a level of safety and comfort for all users and transportation modes.

Also located on this stretch of Kings Hwy from Hearne Avenue to I-49 are other high-profile hospitals and businesses including Shriner's Children's Hospital, LSU Women's and Children's Clinic, the Biomedical Research Foundation, the Center for Molecular Imaging and Therapy, and Willis Knighton's Cancer Center and Care Center. Most of the parking for Ochsner and the Women's and Children's clinic is disconnected from the buildings, and separated by Kings Hwy and Linwood Ave, principal and minor arterials, respectively. Current pedestrian facilities are difficult to identify, conflict with power and signal poles, and many do not conform with ADA requirements. Additionally, Kings Hwy is considered a high-injury network roadway because of the number of fatal and severe crashes reported by the LSU Center for Analytics & Research in Transportation Safety (CARTS).

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. DOTD and the City are looking to acquire the services of a professional engineering consultant team to manage, analyze, and design all aspects of the Kings Hwy corridor improvements, along with the design and implementation of a Bus Rapid Tansit (BRT) route. 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. Our in-house Transit team, along with key firms, have been added to the team provide industry expertise for key services.

The Halff Team can provide all the services expected under the Scope of Services. This project endeavors to address all aspects of the Kings Hwy Corridor, and provide the following needed and important improvements:

- The roadway section shows signs of end-of-life useability, with asphalt cracking as large as three inches in some locations. The roadway section will be analyzed and replaced or reconditioned as approved through the analysis. Lane geometries, turn lanes, lane widths, driveways, sidewalks and ADA-compliant ramps will be analyzed for conformity to all national and DOTD highway standards.
- Pedestrian mobility, ADA compliance, pedestrian and bicycle crossing striping, and pedestrian signalization and signal timing will be analyzed and designed to allow for safe and seamless multimodal interactions for this corridor. Existing bicycle paths or shared use paths will be connected as appropriate to expand local access.
- Current road right of way (ROW) constraints include poorly placed power poles, large signal poles at intersections, commercial parking lots that directly abut sidewalks and allow free ingress/egress, and above ground utility appurtenances such as electrical boxes, gas meters, fiber pull boxes. A utility duct bank will be considered to provide underground connection and protection for existing and future utilities, including IITS fiber lines and infrastructure.
- A BRT route is desired and outlined in the advertisement. The loop reaches out past the limits of the Kings Hwy corridor and connects Mall St. Vincent to the east and the Willis Knighton hospital system north of I-20. The Halff Team plans to work closely with the City, SporTran and DOTD to design a route and associated infrastructure that meets the needs of the community. We understand that Oschner is a teaching hospital, and many of their patients are transit depended. Providing reliable, frequent transportation services to this area is not only beneficial to the patients and their families, but also to the employees in the medical center. Design considerations are to include new bus shelters, dedicated bus pull-out lanes, roadway striping, and unique signage to differentiate it from existing SporTran system routes and stops.

The Halff Team has a proven track record of meeting the stringent requirements of State/ Federal funded 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 DOTD, 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

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 and desire for multimodal connectivity. Our project management and design approach is comprehensive and well-structured, resulting in an efficient process.

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, a project development schedule, project goals, design constraints, opportunities, and appropriate design criteria. We will then develop a design criteria summary for confirmation.

Halff will utilize Microsoft Project to establish and update a design schedule with confirmed milestone delivery dates and internal and external QA/QC review periods. Within 30 days of Notice to Proceed (NTP), Halff will provide the City with a preliminary opinion of probable construction costs, based on an estimate of bid item quantities and the most current DOTD unit prices using the Bid History Estimate Tool.

Halff will establish a list of project stakeholders, including DOTD staff, City staff, and utility provider contacts. Halff will also develop a list of property owners along the roadway corridor and bus rapid transit route that will be affected by construction improvements or roadway closures. Halff will use these lists to update affected parties throughout the design process as needed. Below is a generalized design outline with essential details for our approach to achieving a comprehensive roadway design

Project Manager, Brandon Aillet, PE, will kick off the project by meeting with City and State staff. At this meeting, Halff 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..

Traffic Engineering

For this project and under the leadership of Neel-Schaffer, the Halff Team will collect road safety and travel information including crash data, traffic counts, previous studies and reports, planned projects for the area, information about the construction of the existing roadway, a Gap Study, pedestrian crossing information, existing transit, pedestrian and bike facilities, adjacent land uses, and existing roadway plans, as well as completing a traffic signal inventory. Neel-Schaffer is intimately familiar with the Kings Hwy corridor, having designed the traffic signal system for the City of Shreveport. Because our team is already familiar with the signals along Kings Hwy, our prior knowledge can save time in the data gathering phase of this project.

Bus Rapid Transit Route Planning

The Halff Team will design a Bus Rapid Transit (BRT) route along the Kings Hwy corridor that connects Shreveport's residents to the city's premier medical facilities. Our design approach will emphasize ease of access for all passengers, rapid boarding and alighting, unique branding, and first- and last-mile connections.

Preliminary Phase

Pre-Design Study and Condition Assessment: Halff 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 Brandon's 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.

In relation to the Kings Hwy. BRT, Halff will coordinate with the Shreveport/Caddo Parish Metropolitan Planning Commission (MPC), Northwest Louisiana Council of Governments (NLCOG), SporTran, DOTD, and the City to collect data on existing bus ridership, current traffic volumes, peak congestion times, existing and future land use, zoning, and additional data that may be required to design the most efficient route and identifying appropriate locations for BRT stops.

Field Surveying, Lidar, and Photogrammetry: Under the leadership of Bryan Bunch, PLS, the Halff Team will provide topographic and boundary surveys of the project corridor and follow the latest version of the DOTD 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. Advanced technology and geospatial solutions such as the Halff Team's drone survey and mobile lidar survey will be considered to supplement traditional survey methods for the collection of corridor topography and aerial imagery. These tools provide a seamless point cloud of three-dimensional data, as well as the location of all above ground appurtenances, signs, poles, and overhead power and data lines.

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. The Halff Team will also prepare a drainage map showing all cross drains, ditches and canals, ridgelines, flow arrows, water bodies, drainage area divides, aerial imagery, and lidar within the buffer zone, in accordance with DOTD's Location and Survey Manual.

Geotechnical Investigation & Recommendations: The geotechnical analysis will be performed in accordance to the Scope of Services specifications for spacing and critical utility locations. If available, existing boring data will be reviewed to supplement new boring information. The Halff Team will determine existing pavement and subgrade conditions and provide appropriate pavement design considerations for reconstructed pavement sections. 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.

Preliminary and Final Plans

Preliminary Plans: 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.

The Halff Team has prepared preliminary plans in accordance with DOTD's Road Design Manual, AASHTO Geometric Design of Highways and Streets, DOTD Hydraulics Manual, and DOTD CADD and plan preparation standards and will use that experience to produce milestone delivery sets that are standardized, legible, and ready for DOTD and City review. The design format will comply with the criteria prescribed in 23 CFR 625, Design Standards for Highways.

Preliminary plan set elements include but are not limited to: project control and roadway geometry, roadway reconstruction and rehabilitation typical sections, turn lane and/or established bus lane dimensions, cut and fill slope limits, established right of ways, permanent and temporary easements, pedestrian facility improvements, signage and signalization improvements, lighting design improvement locations and structural elements, preliminary utility relocation layout, drainage area maps, hydrologic and hydraulic drainage design calculations, and storm sewer system improvements.

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.

The Halff Team will prepare other preliminary phase documentation in accordance with DOTD and industry standards, including:

- Summary of Quantity Estimates on a per-sheet basis
- Updated Preliminary Opinion of Probable Construction Costs (OPCC) based on 60% documents
- Sequence of construction plan layouts
- Detour map, if necessary
- Completed Constructability Review Form
- Design Report including all design calculations and assumptions
- QA/QC checklist
- Contract Time Worksheet
- SWPPP
- Attachments for all necessary permit submittals
- Plan-in-hand documentations

BRT Alternatives Development: The Halff Team, in partnership with SporTran, DOTD, and the City, will develop up to three (3) BRT route alternatives within the Kings Hwy. corridor connecting the major medical facilities in the area. Halff's transit planners, Lee Nichols and Javier Arguello, will work closely with Brandon to access the existing right of way to help determine the feasibility of implementing BRT features such as dedicated/semi-dedicated lanes, or bus pull outs.

BRT Alternatives Evaluation: Halff will develop evaluation criteria to conduct a detailed analysis of each BRT alternative. The evaluation criteria will evaluate impacts to traffic flow, intersections, location of bus stops, accessibility, cost, and constructability. The Halff Team will be in coordination with SporTran and other stakeholders during the development of the evaluation criteria.

OPTIONAL TASK: Halff will utilize the FTA STOPS (Simplified Trips-on-Project Software) ridership model to estimate ridership on the BRT route alternatives. STOPS provides reliable ridership projections that will be used in the alternatives evaluation to assess each alternative's potential effectiveness in supporting applications for federal funding, and refining service planning by identifying high-demand segments and peak travel times.

At the completion of the detailed evaluation of each alternative along with financial considerations, a Locally Preferred Alternative (LPA) will be selected. The LPA will define the preferred route for the Kings Hwy. BRT, along with the location for the remaining six bus stops that have yet to be identified. The LPA will be carried forward into the environmental review and into the final plans.

Final Plans: Once the environmental review for project improvements has been cleared, and the plan-in-hand field inspection has been completed, the Halff Team will proceed with the final Plans, Specifications, and Estimates (PS&E) phase. Detailed construction plans for roadway, pedestrian and bicycle facilities, drainage improvements, signalization, signage, and lighting will be prepared. Cross-sections at set intervals and other pertinent station locations will clearly show existing and proposed final grade lines, earthwork cut/fill amounts, and proposed right of way and easement lines.

All forms, reports, and supporting documentation listed in the Preliminary Plans phase will be updated and submitted for approval by the City and DOTD. QA/QC checklists including resolution actions will be submitted for approval with the final PS&E documents. A final OPCC updated to represent the final construction plans will be submitted to DOTD and City for approval.

BRT Bus Stops and Shelters: The design of the Kings Hwy. BRT stops will take place in coordination with the development of the final plans. These stops will be designed with accessibility in mind, featuring clear, level paths to and from surrounding areas, ramps where needed, and boarding platforms level with the bus floor to enable quick, safe, and accessible boarding.

First- and Last-Mile Connections: In development of the final plans, Halff will identify opportunities to design and implement eight- to 10-foot-wide multi-use paths throughout the BRT corridor to accommodate pedestrians, cyclists, and individuals with disabilities. These multi-use paths will be ADA compliant, with features such as curb ramps and tactile paving at crossings. Additionally, Halff will work with the City and SporTran to introduce bike- and scooter-share programs into the first- and last-mile connections to enhance mobility options and provide users with flexible, low-cost transportation solutions.

Additional Services that Halff can Provide

Public Outreach: Halff is well-prepared to facilitate stakeholder coordination meetings

with adjacent property owners, significant traffic-generating businesses, and/or route users to record user requirements and incorporate them appropriately into the design. To inform the residents of the project goals and schedule, the Halff Team collaborates 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.

Kings Hwy. BRT Stakeholder Advisory Committee (KSAC): Halff proposes the development of the KSAC. The KSAC will consist of members of SporTran, DOTD, the City, NLCOG, MPC, medical facilities (Ochsner, BRT, Willis-Knighton), and representatives from the community. Halff proposes up to three (3) meetings with the KSAC:

- KSAC Meeting #1 - kick off project to define goals and objectives
- KSAC Meeting #2 - review existing conditions, establish evaluation criteria, and review route alternatives
- KSAC Meeting #3 - review evaluation of route alternatives, select the LPA

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. Halff uses the Trimble MX9 Mobile Lidar device and system for mobile data collection. 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.

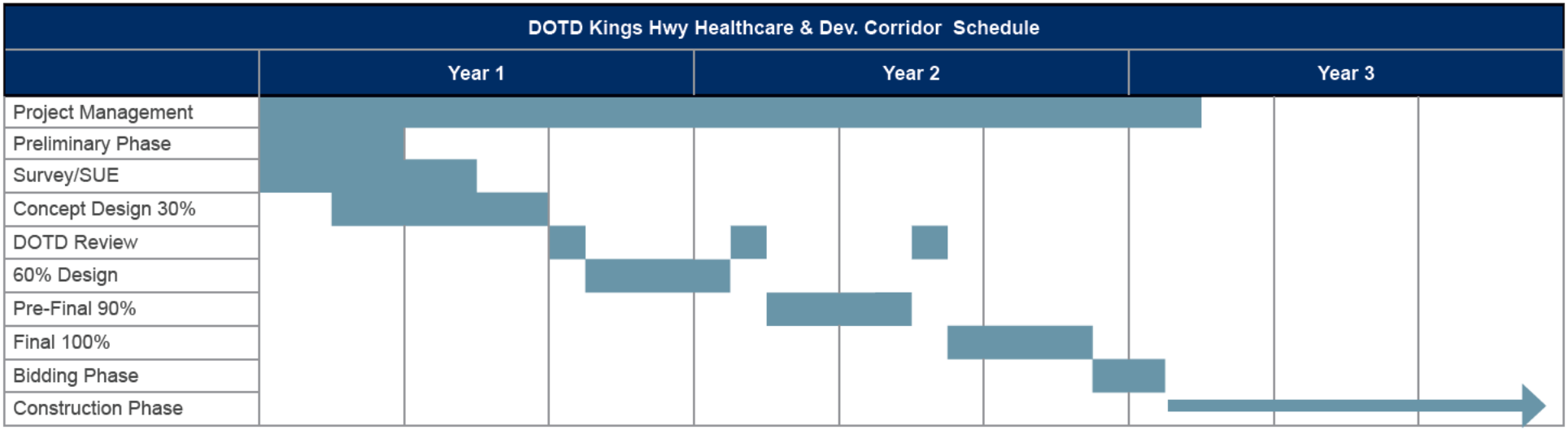
Landscape Design: Halff's in-house capabilities enable us to seamlessly integrate project landscape and hardscape plans, perfectly aligned with the project scope. Our team's expertise in selecting and positioning plant materials guarantees ease of maintenance and efficient irrigation. We also excel in 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.

Quality Assurance/Quality Control (QA/QC) Program

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. James Barr, QA/QC Manager, will lead the 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 DOTD Standard Specifications for Roads and Bridges (2016) will be used to quantify each payment item.

Schedule

Halff is not new to aggressive schedules and provides the innovative solutions necessary to achieve them. The Halff Team has locally-based design and technical resources that are second to none in North Louisiana. Our depth allows us to assign staff based on expertise and availability. The schedule shown below is schematic in nature, and a more developed schedule will be determined with input from DOTD at contract scoping.



19 Workload

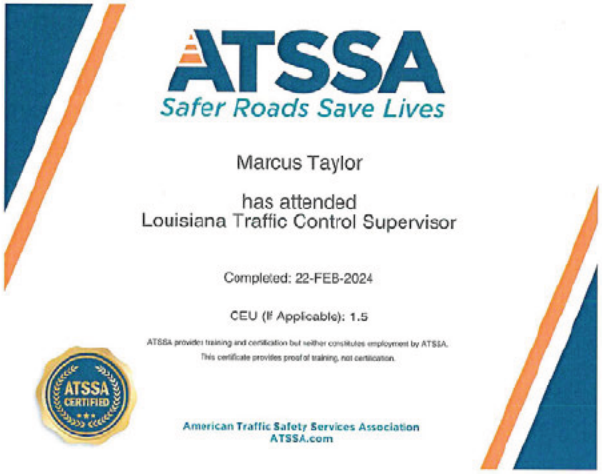
Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Halff Associates, Inc.	Other (Water Modeling)	Contract No. 4400020960 Task No. 9	Community Outreach and Mitigation Strategies	N/A
	Other (Water Modeling)	Contract No. 4400020960 Task Order No. 20	FY23 Phase 2 Risk Identification and Assessment Rapides Parish Part 2	$219,628
	Other (Water Modeling)	Contract No. 4400017090 Task Order No. 4	Louisiana Watershed Initiative (LWI) Region 4 Modeling Contract	$403,252
Ardaman & Associates, Inc.	Geotech	44-4128; H.004273	I-49 Connector, Lafayette	$491,353
	Geotech	44-18899; H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	$110,726
	Geotech	44-1960; H.013897	I-10 / I-12 College Drive Flyover Ramp	$111,743
	Geotech	44-19013; H.004100.5 & .6	I-10 CMAR Design Continuation: LA 415 TO ESSEN ON I-10 & I-12	$301,929
	Geotech	H.04435	I-12 to Bush Construction Phase	$47,956
	Geotech	44-8671; H.009266	I-10 Widening: LA 73 to LA 30	$26,051
	Geotech	44-19013; H.002244.5	Boudreaux Canal Bridge (LA 56)	$18,088
	Geotech	44-25025; H.015337, H.015452-63, H.015489-92	Rural Bridge Replacement	$269,448
	Geotech	44-24652; H.012842.5	LA 124 Ext. Near Larto Lake	$4,907
	Geotech	44-24652; H.014265.5	N River Road Irving Branch	$4,649
	Geotech	44-24652; H.012533.5	LA 1252 Bayou Pt Brule Bridge	$8,483
Marrero, Couvillon & Associates, L.L.C.	Road	H.015052	I-20 Widening Overlay	$320,028
Neel-Schaffer, Inc.	Planning	SPN 736-99-1548	Travel Demand Model Support Services Statewide (PRIME)	$49,329
	ITS	4400010428 EWL 3, H.004774.5; H.007300	Kansas Lane: Garrett Road Connector and I-20 Improvements (SUB)	$805
	Planning	4400015733, H.972374.1	Local Public Agency Documented Planning Process, Statewide	$122,831
	Road	4400017293, H.010616	I-20: LA 544 Overpass Replacement	$26,300
	ITS	440005459, H.004780.5	Kansas Lane Connector, S.A. #6	$5,234
	ITS	4400016364, H.013256.6	I-10 ITS Scott to Lake Charles Technical Support Services During Construction	N/A

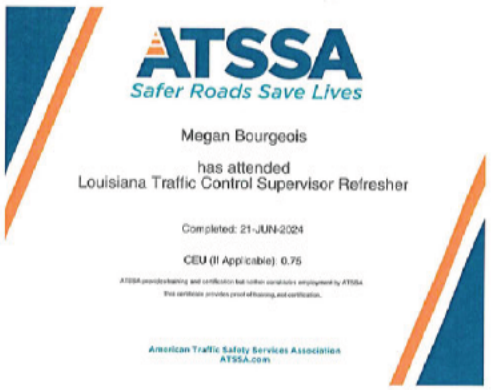
Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Neel-Schaffer, Inc.	ITS	4400016364, H.011504.5	Alexandria ITS Phase 2	$2,644
	ITS	4400016364, H.014511.1	Houma Regional ITS Architecture Update	$14,189
	ITS	4400016364, H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	$28,765
	ITS	4400016364, H.015136.1	Lake Charles Regional ITS Architecture Update	$19,816
	Traffic	4400017438, H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$164,652
	Traffic	4400018271, H.014746.1	LA 383 Corridor Study	$13,195
	Traffic	4400018271, H.014746.5, SA #2	LA 383 Corridor Study	$59,915
	Planning	4400018271, H.014746.1	LA 383 Corridor Study	$94,106
	Planning	440023689, H.015148.5	District 03 Safety Investment Plan	N/A
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$41,495
	Planning	4400023689, H.015227.5	US 61 at Victoria Dr. Ped Crossing	$6,443
	Traffic	4400026458, H.014710.5	Cedar Street Ext. to LA 22 and Roundabout	$53,489
	Road	4400024927, H.015226.5	US 90: Roundabout at LA 101	$45,836
	Traffic	4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$357,875
	Traffic	4400025299, H.015645.5	LA 47 Hayne Blvd Safety Improvements	$142,657
	Road	4400024927, H.014366.5	LA 621 Realignment at LA 73	$306,608
	Traffic	4400024927, H.014366.5	LA 621 Realignment at LA 73	$129,271
	Traffic	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$65,978
	Planning	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$5,318
	Road	4400023689, H.013622.5	LRSP Ardenwood Dr. Road Diet	$72,459
	Road	4400024927, H.009425.5	LA 16: N 2nd St. to E. of Duncan Ave.	$168,576

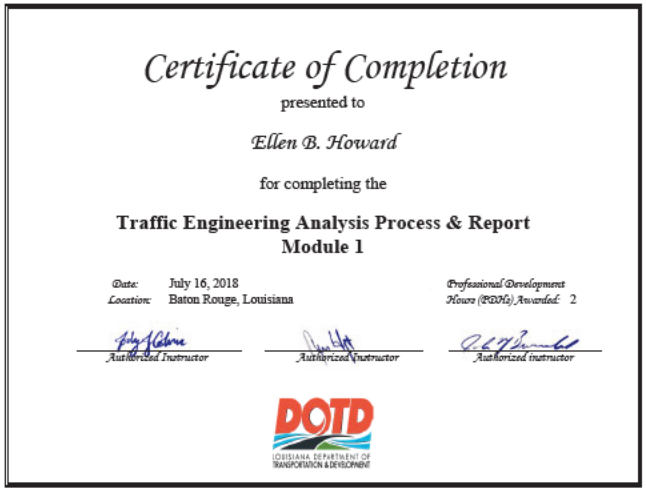
Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
NTB Associates, Inc.	Right of Way	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	$47,324
	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)	$77,228
	Right of Way	4400025041 Multiple SP Nos. per bridge	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program (Sub to Waggoner)	$4,018
	Survey	4400027686 H.008768.5	IDIQ Contract for Hydrographic Surveying Services – Task Order No. 1 – Fall Bridges	$39,601
	Other (SUE)	4400026587 H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	$92,500
	Survey	4400017713 H.004100.5	IDIQ Contract for Professional Topographic Surveying Services – Task Order 12 – I-10: LA 415 to Essen on I-10 & I-12	$65,200
	Right of Way	4400027918 H.015576	IDIQ Contract for Professional Boundary Surveying Services – Task Order 1 – LA 447 & LA 1025 Roundabout	$73,894
	Right of Way	4400027918 H.013817	IDIQ Contract for Professional Boundary Surveying Services – Task Order 2 – LA 117: Improvements LA 8 to LA 118	$96,250
Vectura Consulting Services, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	$ 74,429
	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	$ 71,398
	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	$ 66,032
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	$ 11,202
	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	$ 572
	Traffic	4400023075 H.013522	S. Lewis Street Widening	$ 7,499
	ITS	4400016364 H.015136.1	Lake Charles Regional ITS Architecture Update	$ 12,643
	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	$ 6,820

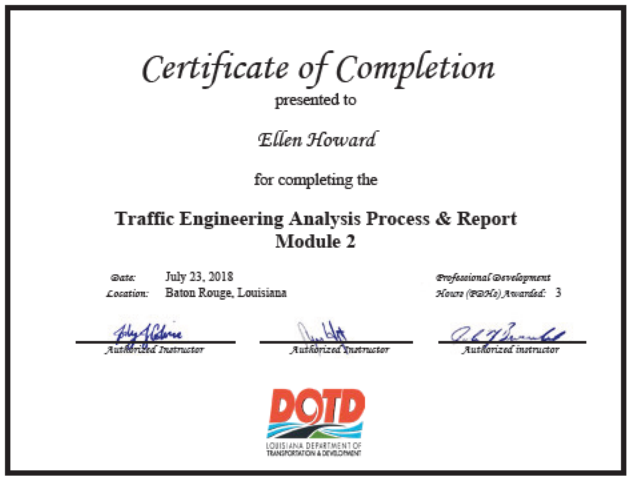
Firm(s) All firms must be represented in this table	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
Vectura Consulting Services, LLC	Traffic	4400025299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	$ 57,042
	ITS	44000020058 H.011507.1	Monroe Phase 3 SEA	$ 29,217
	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	$ 20,146
	ITS	4400016364 H.015136.1	Shreveport-Bossier Regional ITS Architecture Update	$ 11,260
	ITS	4400016364 H.014511.1	Houma Regional ITS Architecture Update	$ 10,746
	Traffic	4400025299 H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	$ 360,988

20 Certifications/Licenses









Certificate of Completion

presented to

Ellen Howard

for completing the

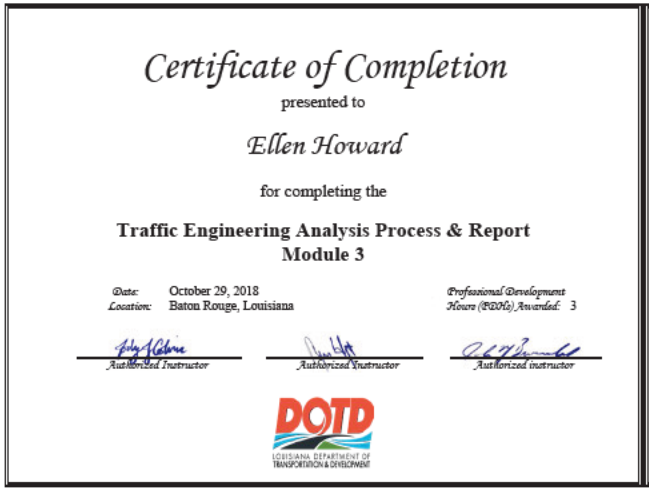
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



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Module 3

Date: October 29, 2018
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Professional Development Hours (PDHs) Awarded: 3

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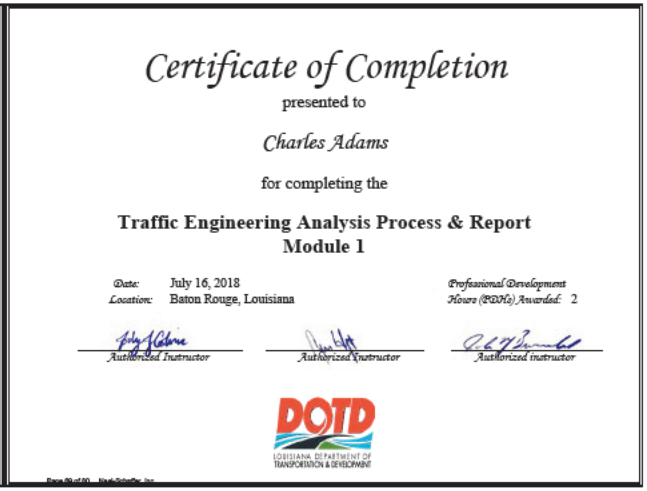

Certificate of Completion

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Charles Adams

for completing the

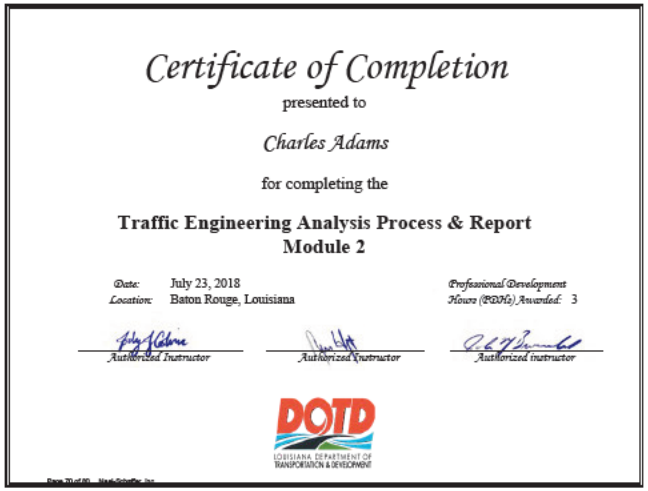
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



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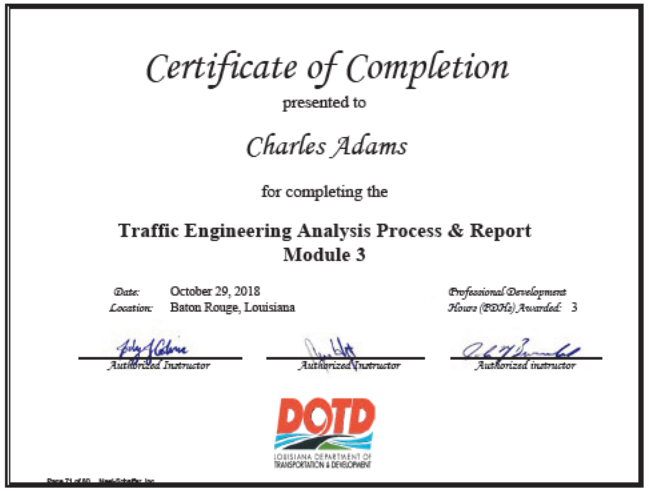

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Module 3

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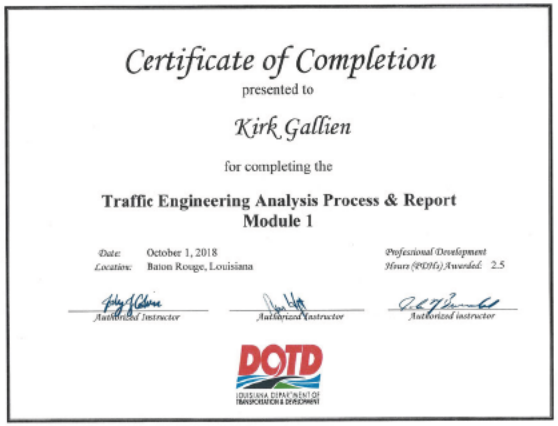


Certificate of Completion

presented to

Kirk Gallien

for completing the

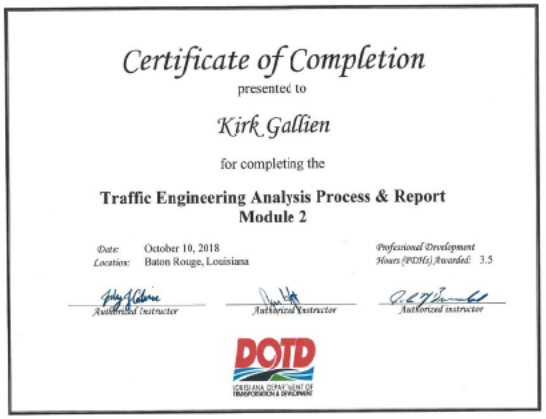
Traffic Engineering Analysis Process & Report
Module 1

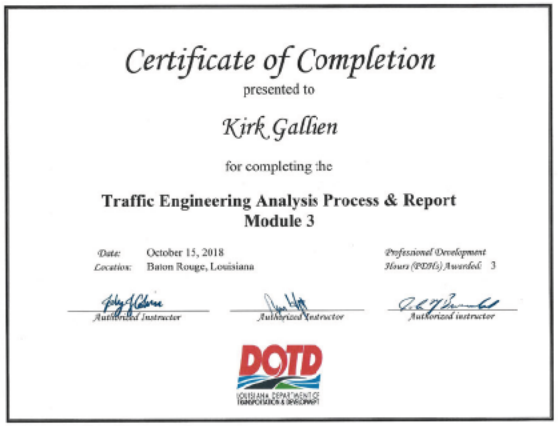
Date: October 1, 2018
Location: Baton Rouge, Louisiana

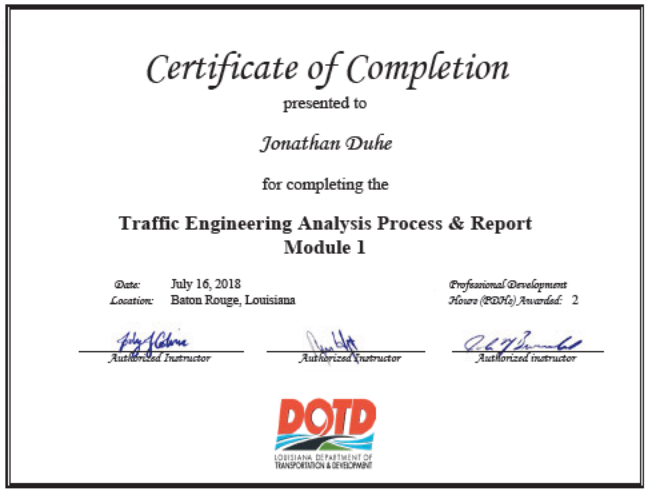
Professional Development Hours (PDHs) Awarded: 2.5

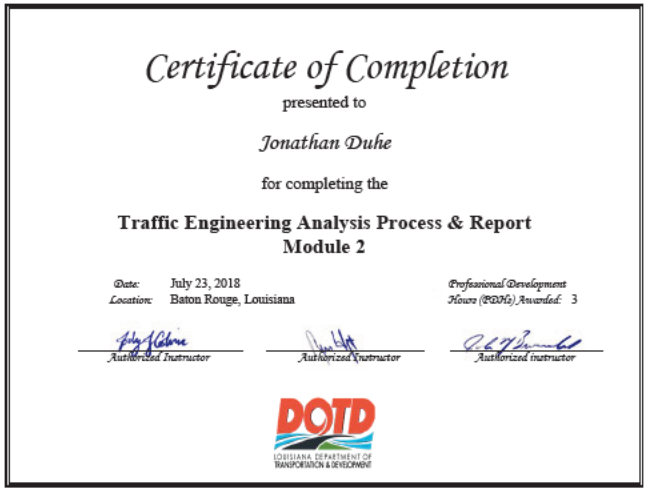
Authorized Instructor | Authorized Instructor | Authorized instructor

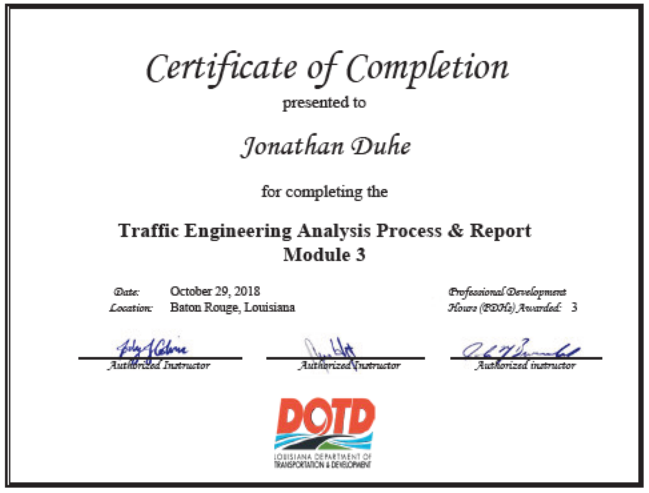
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

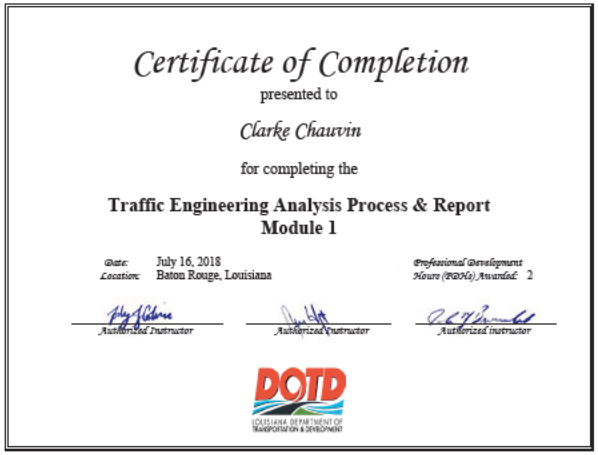

Certificate of Completion
presented to
Kirk Gallien
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: October 10, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3.5
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

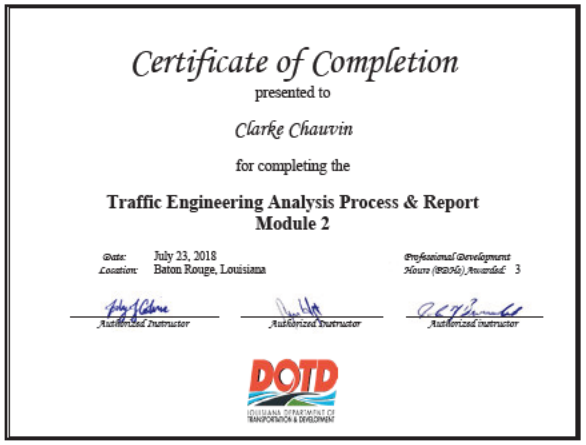

Certificate of Completion
presented to
Kirk Gallien
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 15, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT


Certificate of Completion
presented to
Jonathan Duhe
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: July 16, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT


Certificate of Completion
presented to
Jonathan Duhe
for completing the
Traffic Engineering Analysis Process & Report
Module 2
Date: July 23, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT


Certificate of Completion
presented to
Jonathan Duhe
for completing the
Traffic Engineering Analysis Process & Report
Module 3
Date: October 29, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT


Certificate of Completion
presented to
Clarke Chauvin
for completing the
Traffic Engineering Analysis Process & Report
Module 1
Date: July 16, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 2
Authorized Instructor
Authorized Instructor
Authorized Instructor
DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Clarke Chauvin

for completing the

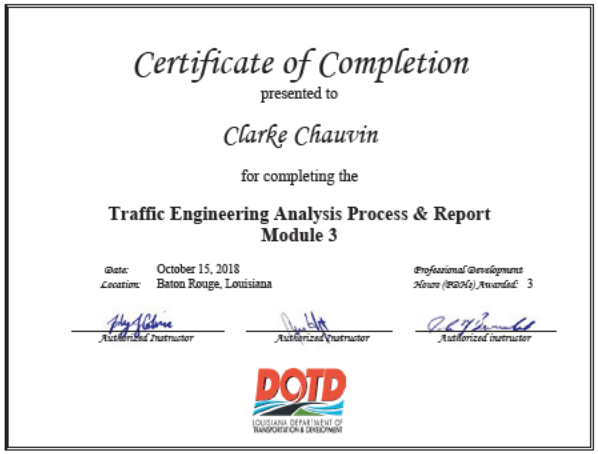
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Clarke Chauvin

for completing the

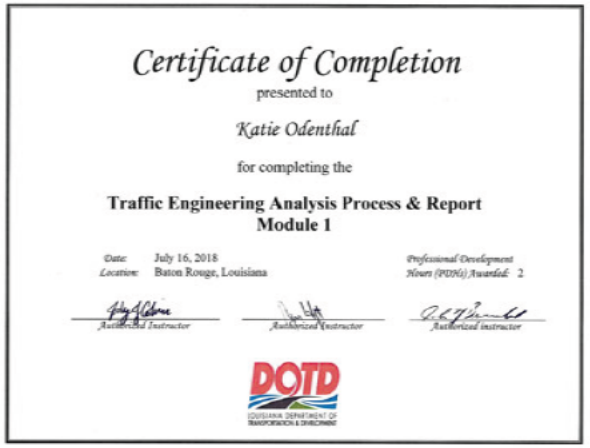
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Katie Odenthal

for completing the

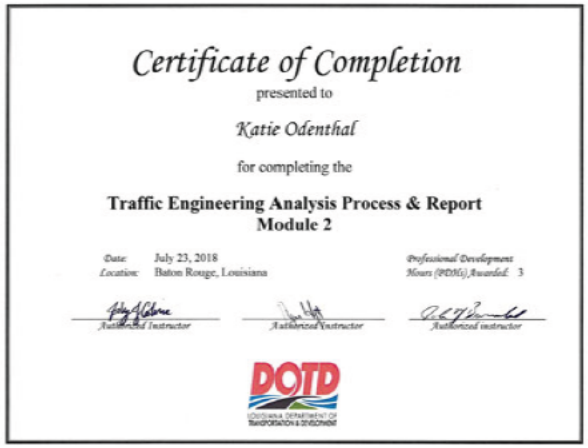
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Katie Odenthal

for completing the

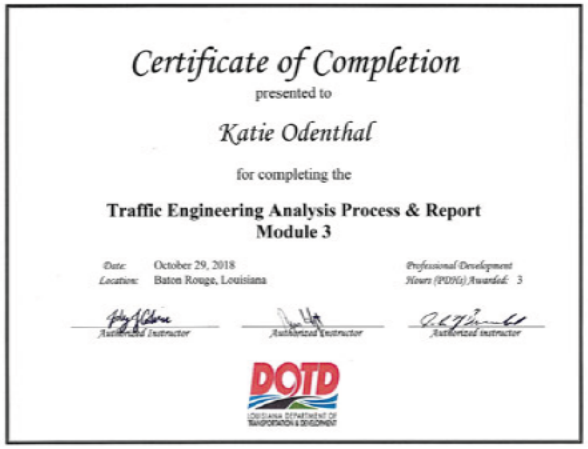
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Katie Odenthal

for completing the

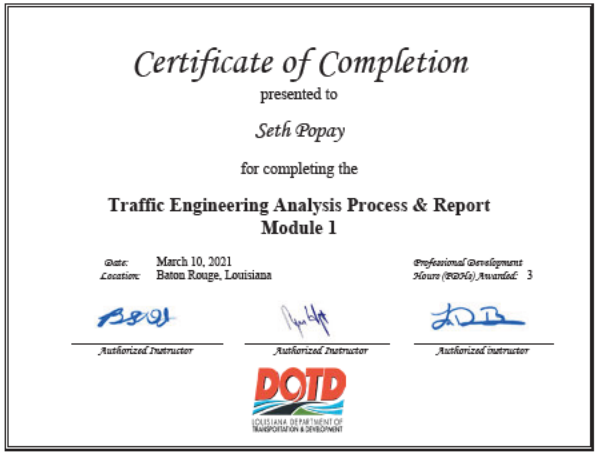
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Seth Popay

for completing the

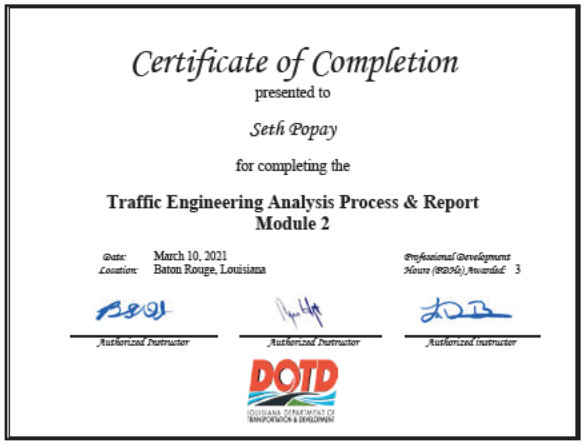
Traffic Engineering Analysis Process & Report
Module 1

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Seth Popay

for completing the

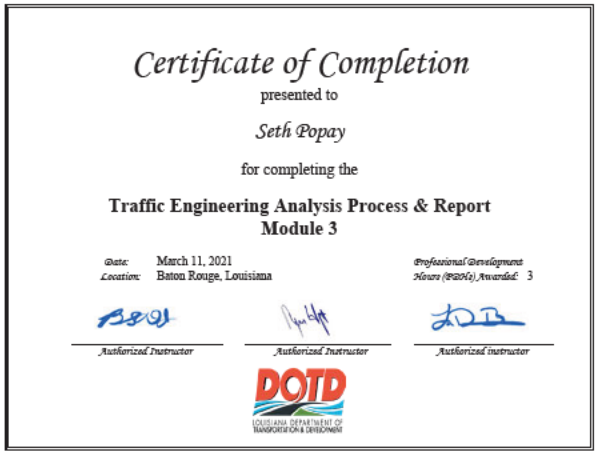
Traffic Engineering Analysis Process & Report
Module 2

Date: March 10, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Seth Popay

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 11, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

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

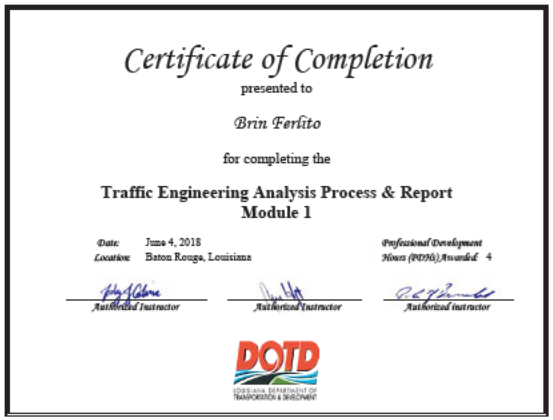
4/29/2022 to 4/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA



Certificate of Completion

presented to

Brin Ferlito

for completing the

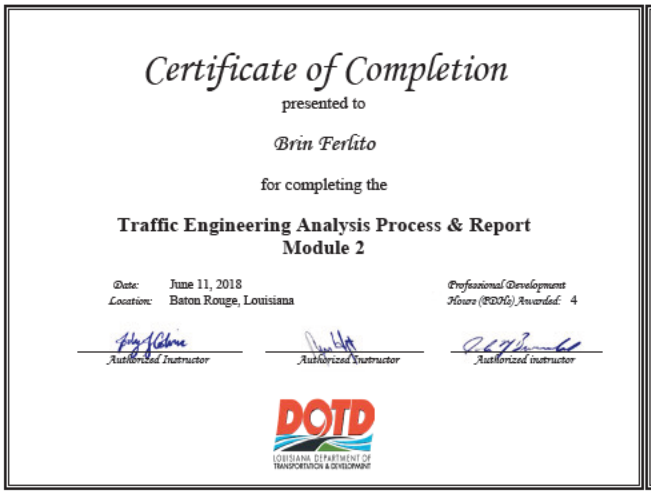
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Brin Ferlito

for completing the

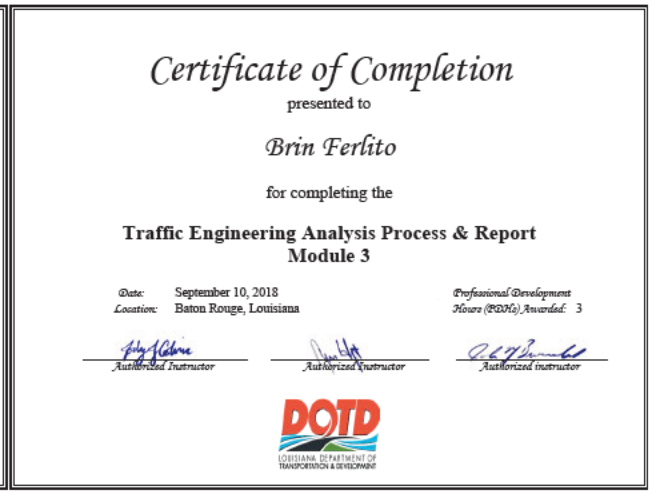
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Brin Ferlito

for completing the

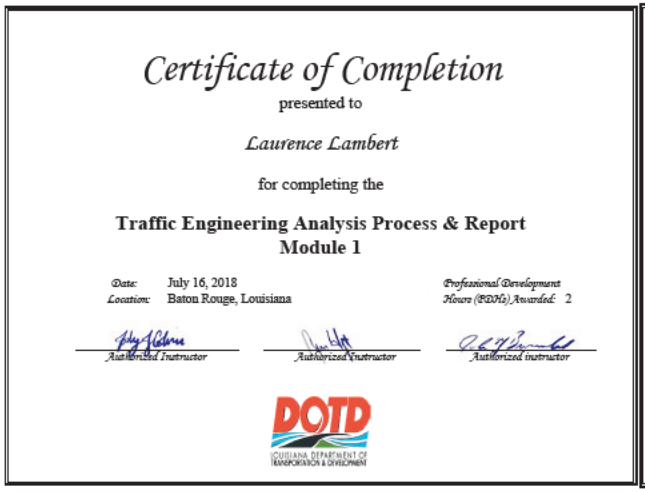
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Laurence Lambert

for completing the

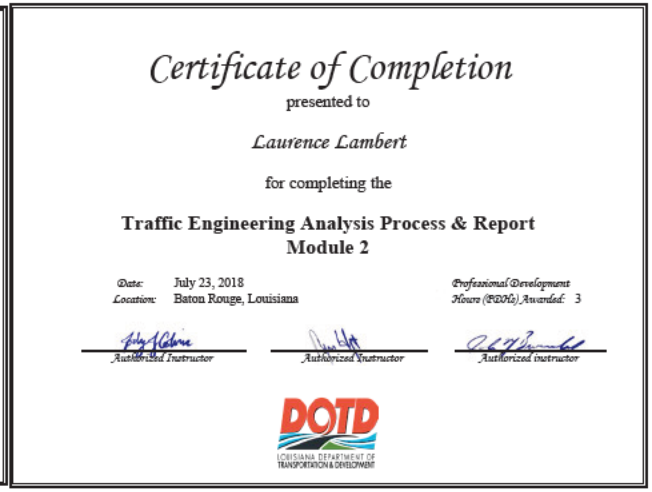
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Laurence Lambert

for completing the

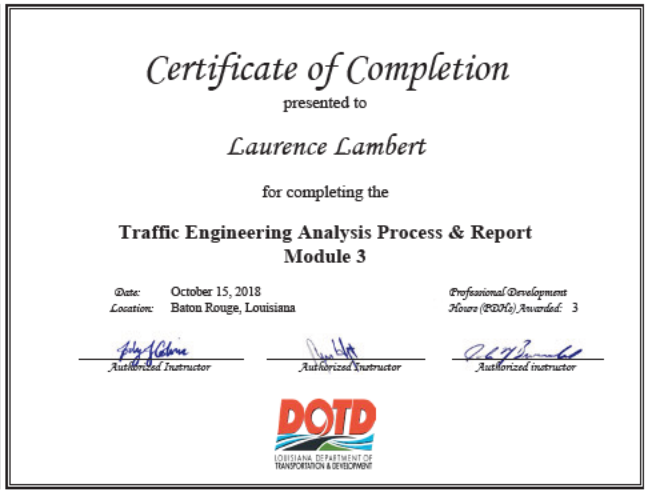
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Laurence Lambert

for completing the

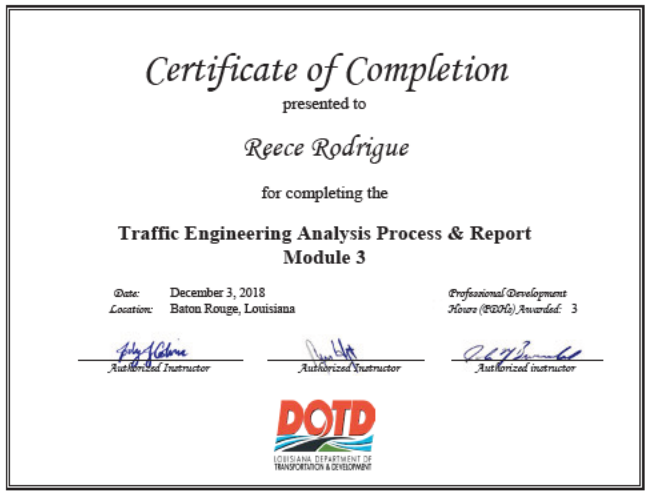
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Reece Rodrigue

for completing the

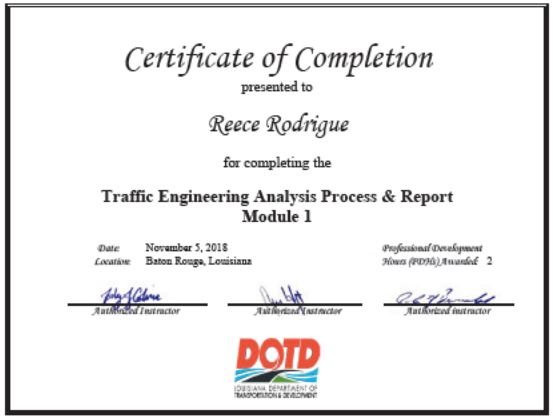
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Reece Rodrigue

for completing the

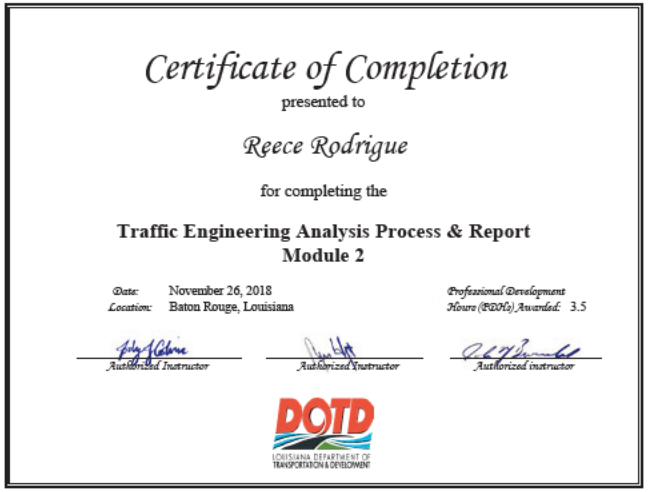
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Reece Rodrigue

for completing the

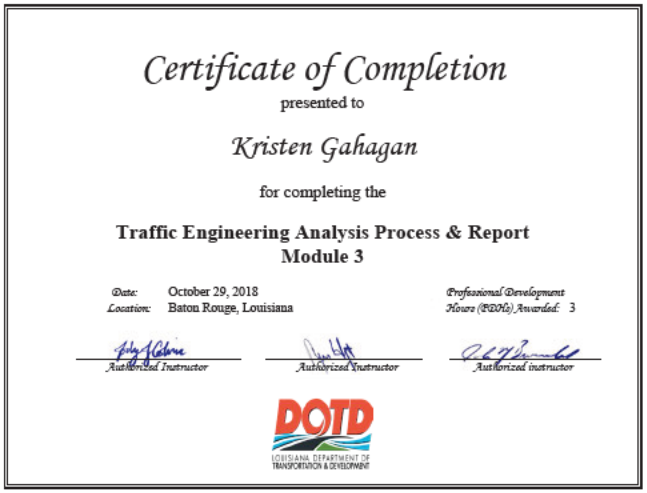
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Kristen Gahagan

for completing the

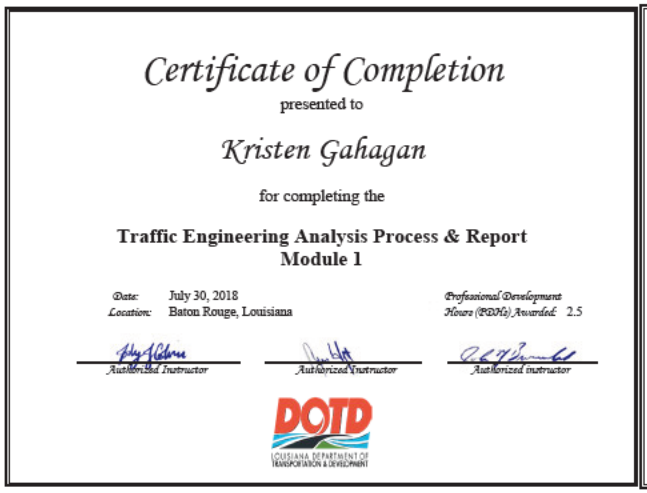
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kristen Gahagan

for completing the

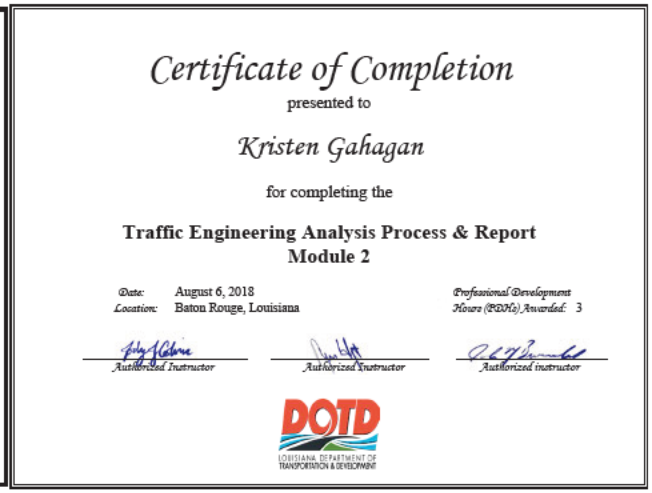
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Reece Rodrigue
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

3/10/2023 to 3/10/2027
Training Valid Through

New Orleans, LA
Location

Vice President of Education and Technical Services

President, CEO

ATSSA

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brin Ferillo
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

Director of Training

President, CEO

ATSSA

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laurence Lambert
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

Director of Training

President, CEO

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

ATSSA

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Kristen Farrington
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

4/5/2021 to 4/5/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA American Traffic Safety Services Association

This is to affirm that

Sheelagh Ferlito

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 5/9/2023
Exp. Date 5/8/2027
State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000126216

Verify at Flagger.com

ATSSA American Traffic Safety Services Association

This is to affirm that

Laurence Lambert

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Issue Date 5/9/2023
Exp. Date 5/8/2027
State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000126196

Verify at Flagger.com

ATSSA

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Kristen Farrington

has satisfied the requirements to be designated as a
CERTIFIED FLAGGER

Expiration Date 7/5/2025
State Issued LA

Instructor Signature

Verification available by calling 1-877-642-4637 or at http://www.flagger.com

ATSSA
Safer Roads Save Lives

Reece Rodrigue

has attended
National Flagger Certification Training Course

Completed: 01-OCT-2024

CEU (If Applicable): 0

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

21 QA/QC Plan

If the advertisement requires submission of a QA/QC plan, include it here. Otherwise, leave this section blank. If a QA/QC plan is included in this section and was not required by the advertisement, it will be redacted.

Not Required per 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
Ardaman & Associates, Inc.	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell RJewell@ardaman.com	225.666.4598
Marrero, Couvillon & Associates, L.L.C.	2644 S. Sherwood Forest Blvd. Suite 200 Baton Rouge, LA 70816	M. Kimball Schlafly, PE	504.834.3448
Neel-Schaffer, Inc.	10000 Perkins Rowe Suite G360 Baton Rouge, LA 70810	Nick J. Ferlito, Jr., PE, PTOE nick.ferlito@neel-schaffer.com	225.924.0235
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
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd. Suite A Baton Rouge, LA 70809	Laurence Lambert, PE, PTOE, PTP llambert@vecturacs.com	225.938.3614

23 Location

If location is an evaluation criterion for this advertisement (see page 2) and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank. Any information included in this section will be redacted if not required by the Evaluation Criteria section of the advertisement.

Not Required per RFQ

[redacted]