Louisiana Department of Transportation and Development June 8, 2023

AECOM

Proposal for Engineering and Related Services

LA 429 Connector (LA 30 / LA 73 TO US 61) Routes: I-10, LA 429, LA 30

Ascension Parrish

Contract No. 4400026028

State Project No. H.012311.2

Federal Aid Project No. H012311

Submitted by:
AECOM Technical Services, Inc.

Delivering a better world

AECOM

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Louisiana Department of Transportation and Development
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802
DOTDConsultantAds80@la.gov

June 8, 2023

Ref: Contract No. 4400026028 • LA 429 Connector (LA 30 / LA 73 TO US 61)

Dear Members of the Selection Committee:

The LADOTD seeks to advance plans for new connections to Interstate 10 (I-10) in Ascension Parish. We appreciate the need for additional access and mobility and understand this project's importance for the region. Being proficient and efficient when providing all the services needed for this project, the AECOM team described herein would be proud to serve the Department in the project's successful delivery. We have the expertise, resources, and vision to deliver a successful outcome that meets the goals and expectations of the LADOTD, FHWA, local officials, and the community.

AECOM has deep roots in Louisiana, maintaining continuous operations since 1970. Currently AECOM has over 225 engineers, planners, environmental professionals, and support staff located in Louisiana with key offices in Baton Rouge and New Orleans. This project will be led from our Baton Rouge office at United Plaza with over 75 staff and is our center of expertise for Transportation. Our lead transportation engineer and lead traffic and safety engineer both reside in Ascension Parish and are intimately familiar with the project area and issues.

AECOM has extensive experience leading and performing transportation planning, design, and National Environmental Policy Act (NEPA) services in the Baton Rouge region and throughout Louisiana for LADOTD and MPOs. AECOM has led, participated in, and completed over 20 NEPA projects for transportation in Louisiana alone. The AECOM team has also performed more than 50 Intersection Justification Report (IJR)/ Intersection Modification Report (IMR) projects in Louisiana and throughout the United States.

In addition to our local Louisiana operations, AECOM is a global engineering firm with extensive experience in designing and implementing transportation projects. AECOM provides numerous state DOTs with NEPA and traffic engineering services. We have a large team of local and regional experts who bring their experience and unique skill sets to challenges large and small. Here in Louisiana, the AECOM staff have been a trusted provider of conceptual design, environmental, traffic, structural, and related services for decades. For many years, AECOM has been ranked by *Engineering News-Record* magazine as No.1 in the entire nation in transportation engineering services.

The potential realignment of Louisiana Highway 429 (LA 429) and the construction of a new interchange on I-10 is viewed as an important connection for Ascension Parish, greatly increasing the access to various industrial sites and developable properties. The project has been identified by stakeholders and the public as a needed route in the Capital Region Planning Commission's MOVE 2042 Long Range Transportation Plan. The project is also identified in the Ascension Parish Transportation Master Plan in its Program 1 (most important) group of capacity improvement and new roadway projects. This corridor could also play a vital role in regional connectivity, if the proposed Mississippi River Bridge is constructed near Alternate Site 25.

The AECOM team includes Marmillion/Gray Media, Coastal Environments, The Lakvold Group, and Neel-Schaffer, all with offices in the Baton Rouge Region and are ready to move forward quickly in the development and evaluation of initial concepts. The AECOM team has worked together on numerous projects and is experienced in developing the required deliverables, including NEPA documents, roadway designs, traffic analysis, public engagements, and an IJR. Our experience and the senior staff with LADOTD can foresee risks, impacts, and costs, enabling the development and refinement of viable, inspired alternatives. These alternatives will be developed from the four that resulted from Tier I, with and without auxiliary lanes, as well as LADOTD concepts provided and any other concepts that merit consideration.

Please consider the attached qualifications, approach to the scope of work, and other requested information. We greatly value our close working relationship with LADOTD.

Yours sincerely,
AECOM Technical Services, Inc.

Derek Chisholm, AICP, LEED AP, ENV SP
Project Manager

Jonathan McDowell, PE
Transportation Engineering Manager

Sections 1-11

Don Tyson Parkway Interchange Justification and Environmental Assessment

AECOM worked with the City of Springdale and the Arkansas Highway and Transportation Department to implement a new service interchange at the junction of I-540 and Don Tyson Parkway in Springdale, Arkansas. The team performed traffic analysis to assist in the justification and design of the proposed interchange.

(Revised January 1, 2023)

DOTD FORM: 24-102

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	LA 429 Connector (LA 30 / LA 73 TO US 61) Routes: I-10, LA 429, LA 30
2. Contract Number(s) as shown in the advertisement	4400026028
3. State Project Number(s), if shown in the advertisement	H.012311.2
4. Prime consultant name (name must match as registered with the Louisiana Secretary of State where such registration is required by law)	AECOM Technical Services, 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)	AECOM Technical Services, Inc. (AECOM) LAPELS No. EF.0002331
6. Prime consultant mailing address	8555 United Plaza Boulevard, Suite 300 Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8555 United Plaza Boulevard, Suite 300 Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jonathan McDowell, PE Associate Vice President 504.450.9904 • jonathan.mcdowell@aecom.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Jonathan McDowell, PE Associate Vice President 504.450.9904 • jonathan.mcdowell@aecom.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.	 Jonathan McDowell, PE, Associate Vice President Signature above shall be the same person listed in Section 9 June 8, 2023 Date We acknowledge the following addenda: • Addendum No. 1, dated May 16, 2023 • Addendum No. 2, dated May 26, 2023 • Addendum No. 3, dated June 2, 2023
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):** / **Firm(s)' %:** Lakvold Group — 2.5% Marmillion/Gray Media, Inc. — 1.75%

12. Past Performance Evaluation Discipline Table

Past Performance Evaluation Discipline(s)	% of Overall Contract	AECOM	Neel-Schaffer	Coastal Environments	The Lakvold Group	Marmillion/Gray Media	Each Discipline must total to 100%
Road	16.0%	100%					**100%**
Bridge	6.5%	100%					**100%**
Traffic	40.0%	30%	70%				**100%**
Other (Real Estate Appraiser)	2.5%				100%		**100%**
Environmental	35.0%	85%		10%		5%	**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%**	**64.25%**	**28.0%**	**3.5%**	**2.5%**	**1.75%**	**100%**

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)
AECOM	Principal	1	1
	Supervisor-Engineer	3	6
	Supervisor-Other	6	8
	Engineer	4	8
	Engineer-Other	2	7
	Environmental Manager	2	4
	Engineering Aide	2	3
	Biologist/Wetlands	2	2
	Environmental Professional	1	2
	Pre Professional	4	6
	Senior Technician	2	2
	CAD Technician	2	4
	Technician	2	3
	Administrative	2	3
NEEL-SCHAFFER Solutions you can build upon	Principal	1	1
	Supervisor-Engineer	2	2
	Environmental Manager	1	1
	Engineer	9	9
Coastal Environments, Inc.	Archaeologist	2	6
	Archaeologist–Technician	2	6
	Historian	2	2
The Lakvold Group, LLC	Other (Real Estate Appraiser)	1	1
Marmillion/Gray Media	Principal	2	2
	Graphics	1	2
	Administrative	1	1

14. Organizational Chart

Louisiana Department of Transportation and Development

PRINCIPAL-IN-CHARGE
Jonathan McDowell, PE ▲ 1

PROJECT MANAGER
Derek Chisholm, AICP, ENV SP, LEED GA ▲ 2 • 3

TECHNICAL ADVISORS
Tom Hunter
Nick Ferlito, Jr., PE, PTOE *(NSI)* ▲ 8

INTERCHANGE JUSTIFICATION REPORT (IJR)
Daniel Helms, PE, PTOE, RSP_{21} ▲ 8

Safety Analysis/IJR
Kordel Braley, PE, PTOE ▲ 8
Wu Ying, PE, AICP, ENV SP •
Jess Billmeyer, PE, PTOE •
Ramya Rayapureddy ▲
Haider Talib, PE •
Prachi Borkar
Ajaykumar Patil, EIT •

Traffic Study
Charles Adams, PE, PTOE *(NSI)* ▲
Santosh Andem, PE, PTOE *(NSI)* ▲
Jonathan Duhe, PE, PTOE, RSP_1 *(NSI)* ▲
Kirk Gallien, PE, PTOE *(NSI)* ▲
Ellen Burke Howard, PE, PTOE, RSP_1 *(NSI)* ▲
Charles LeBoeuf, PE *(NSI)*
Katie Odenthal, PE, PTOE *(NSI)* ▲
Chance Shuckrow, PE *(NSI)*
Dishili Young, PE, PTOE *(NSI)* ▲

LINE AND GRADE
Gregory Trahan, PE, RSP_1 ▲ 7

Roadway
John (Ford) Galtney, PE 7
Mai Nguyen, PE *(NSI)* 7
Jonathan Giardina, EI
Will Fullilove, EI
Corey Seregina
Oscar Avila

Structures
Daniel Boyd, PE
Chris McKown, PE

ENVIRONMENTAL MANAGER
Derek Chisholm, AICP, ENV SP, LEED GA ▲ 2 • 3

Solicitation of Views
Jonathan Martinez 4

Environmental Assessment
Jonathan Martinez 4
Leslie Roche, AICP

Cultural Resources
David Kelley, PhD *(C)* 5
Joanne Ryan, MA *(C)* 5
Sara Hahn, MA *(C)* 6
Thurston Hahn, BA *(C)* 6

Agency and Public Coordination
Rannah Gray *(MG)*
Ashley Powell *(MG)*
Sarah Powell *(MG)*

Public Hearing
Matthew Rufo, AICP
Jonathan Martinez 4

Conceptual Stage Relocation Plan
Angela Lemoine-Lakvold, MAI, SRA, R/W-AC

MISCELLANEOUS

Hazardous Materials
Zoe Knesl

Noise Analysis
Tom Herzog

NEPA-Related Studies
Louis Costa
Troy Brumfield, RPG
Jonathan Vavasseur, PWS

PHASE 1

Principal Investigator
David Kelley, PhD *(C)* 5

Archaeology
Joanne Ryan, MA *(C)* 5

Architectural Historian
Sara Hahn, MA *(C)* 6
Thurston Hahn, BA *(C)* 6

▲ TEPR Certified
• Not Registered in LA
 # MPR Designation

Subconsultants:
(C) Coastal Environments, Inc.
(MG) Marmillion/Gray Media, Inc. • DBE
(LG) The Lakvold Group, LLC • DBE
(NSI) Neel-Schaffer, Inc.

15. Minimum Personnel Requirements

MPR No.	Personnel being used to meet the MPR	Firm employed by	Type of license and discipline meeting MPR/ certification & number	State of license	License / certification expiration date
1	Jonathan McDowell, PE	AECOM	PE Civil/PE.0030508	LA	03/31/2025
2, 3	Derek Chisholm, AICP, ENV SP, LEED GA	AECOM			
4	Jonathan Martinez	AECOM			
5	David Kelley, PhD	Coastal Environments, Inc.			
5	Joanne Ryan, MA	Coastal Environments, Inc.			
6	Sara Hahn, MA	Coastal Environments, Inc.			
6	Thurston Hahn, BA	Coastal Environments, Inc.			
7	Gregory Trahan, PE, RSP_I	AECOM	PE Civil/PE.0036041	LA	03/31/2025
7	John (Ford) Galtney, PE	AECOM	PE Civil/PE.0029031	LA	09/30/2024
7	Mai Nguyen, PE	Neel-Schaffer, Inc.	PE Civil/PE.0038189	LA	03/31/2024
8	Daniel Helms, PE, PTOE, RSP_{2I}	AECOM	PE Civil/PE.0042486 PTOE/2820 RSP_{2I}/11	LA	09/30/2024 04/14/2025 12/09/2025
8	Nick Ferlito, Jr., PE, PTOE	Neel-Schaffer, Inc.	PE Civil/PE.0028001 PTOE/930	LA	09/30/2023
8	Kordel Braley, PE, PTOE	AECOM	PE/Civil/PE.0047329	LA	03/31/2025

Section 16

I-45N Beltway 8 North to Loop 336 South Planning and Environmental Linkages Study

AECOM is conducting this PEL study with a goal to define a viable transportation solution, through resource agency coordination and public involvement, that would effectively address the transportation needs in the corridor and inform the subsequent project-specific NEPA process.

Staff Experience
MPR 1–8

16. Staff Experience

Firm	AECOM Technical Services, Inc.		
Jonathan McDowell, PE *(MPR 1)* Associate Vice President		Years of Relevant Experience with this Employer	20
		Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization	BS/1996/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0030508/LA/03.31.2025 • PE.18686/MS/12.31.2023 • PE.19772/AR/12.31.2024 • ATSSA Traffic Control Supervisor – LA State Specific (2023/Exp. 2027) • LADOTD Traffic Process and Report Parts 1, 2 and 3 (2018) • FHWA-NHI-142005 NEPA and Transportation Decision-Making (2011) • AASHTO Highway Safety Manual (2013)		
Year Registered	2003	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 1. Principal-in-Charge.** *Jonathan has served as a principal, project manager, and project engineer for a wide variety of transportation and public infrastructure projects in Louisiana and throughout the southeastern U.S. His roles have included numerous Stage 0 feasibility planning studies, NEPA EAs and EISs, line and grade alternatives development for new roadways and improvements to existing roadways, construction contract administration, and construction engineering and inspection for highway and public infrastructure projects. Design projects have included interstate highways, urban and rural roadways, major bridges crossings, railroads, drainage canals and culverts, and intermodal yard and port security improvements. Through his experience, he has the understanding of the project delivery process required to bring a transportation project from an idea to a built reality. His computer skills include AutoCAD, Civil3D, MicroStation, InRoads, PowerGeopak, MS Office, MS Excel, MS Project, HEC-RAS, STAAD, ArcView, and various other design software platforms.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
09/07–07/18	**LADOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) Stage 0 Feasibility Study and EA, Bossier and Caddo Parishes, LA.** *Project Manager, Lead Roadway Engineer.* Jonathan managed the Stage 0 Feasibility Study and was the lead roadway engineer for the EA. He designed geometric layout alternatives for capacity improvements and pedestrian and bicycle accommodations for the bridge crossing of the Red River and along Jimmie Davis Highway (LA 511) from the Red River to US 71. Tasks included the development of the purpose and need statement, the project design criteria, and the geometric alternatives of the bridge, interchange ramps on each side of the bridge, and roadway approaches. He developed a median U-turn alternative and off-corridor access management improvements to improve corridor connectivity for LA 511 between the Arthur Teague Parkway and US 71.
06/16–08/17	**LADOTD, SPN H.012369.1, US 190 Median Barrier Stage 0 Feasibility Study, Route US 190, St. Tammany Parish, LA.** *Project Manager, Lead Design Engineer.* Jonathan managed this feasibility study to develop alternatives to replace the existing raised median with a median barrier across the LA 22 interchange. Alternatives included MASH-rated guardrail and concrete median barrier details. He used Crash Modifications Factors (CMFs) from the *Highway Safety Manual* to analyze each barrier alternative. He estimated costs using DOTD Bid Items and completed Stage 0 Scope, Budget, and Environmental Checklists. Jonathan presented the alternative and findings to Highway Safety and District 62 personnel.
08/12–07/14	**LADOTD, SPN H.009997.1, Johnston Street Stage 0 Feasibility Study, Route US 167, Lafayette Parish, LA.** *Roadway Engineer.* Jonathan analyzed crash data to identify trends and suggest countermeasures to develop alternatives to improve safety within the corridor of an urban arterial with heavy bicycle traffic. He evaluated the proposed alternatives using CMFs provided in Part D of the *Highway Safety Manual*. He determined benefit/costs for each alternative for use in the alternatives evaluation.

08/12–01/13	**LADOTD, SPN H.009998.1, Stringer Bridge Road Stage 0 Feasibility Study, Route LA 935, Ascension Parish, LA.** *Roadway Engineer.* Jonathan prepared an alternative to relocate the existing roadway away from Black Bayou as part of a study to improve highway safety. The alternative included curve realignment and subsurface drainage with minimal impact to adjacent residences. He estimated project costs using LADOTD Pay Items and completed Stage 0 Scope, Budget, and Environmental Checklists.
06/13–10/14	**LADOTD, SPN H.009998.1, Williams Boulevard Feasibility Study, Route LA 49, Jefferson Parish, LA.** *Roadway Engineer.* Jonathan analyzed crash data to identify trends and suggest countermeasures for development of alternatives to improve safety within the corridor by converting a five-lane urban arterial to a four-lane road with bicycle lanes. He evaluated the proposed alternatives using the Predictive Method outlined in Part C of the *Highway Safety Manual*. He determined benefit costs for each alternative for use in the alternatives evaluation.
05/10–12/13	**LADOTD, SPN H.005171.1, I-49 South, 26 Stage 0 Interim Improvements for Safety and Efficiency, Raceland to Westbank Expressway, Lafourche, St. Charles, and Jefferson Parishes, LA.** *Lead Project Engineer.* Jonathan developed a program of Stage 0 projects that would provide interim capacity and safety improvements along the US 90 corridor from LA Highway 1 to the current terminus of the elevated portion of the Westbank Expressway and would upgrade the existing US 90 highway to interstate standards from LA Highway 1 to I-310. He was responsible for planning and geometric design of the interstate highway, interchange ramps, and intersections with local collector and arterial roadways; preparation of cost estimates for alternative concepts; completion of Stage 0 Checklists; and preparation of an implementation plan.
05/10–12/13	**LADOTD, SPN H.005171.1, I-49 South, 16 Stage 0 Interim Improvements for Safety and Efficiency, Wax Lake Outlet to Berwick, St. Mary Parish, LA.** *Lead Project Engineer.* Jonathan developed a program of Stage 0 projects that would provide interim capacity and safety improvements along the US 90 corridor. He was responsible for planning and geometric design of the interstate highway, interchange ramps, and intersections with local collector and arterial roadways; consideration of alternative concepts to provide phased implementation; developed a U-turn concept that was implemented by the District; preparation of cost estimates for alternative concepts; analysis of environmental impacts; and preparation of an implementation plan.
3/15–01/17	**Iberville Parish Government, Westside Expressway and Iberville MRB Crossing, West Baton Rouge, Iberville, Ascension, and St James Parishes, LA.** *Project Manager, Lead Roadway Engineer.* Jonathan managed the planning and development of a high-level corridor study to locate a new highway that connects I-10 west of Baton Rouge to LA 3127 with a spur to connect to LA 30 using the Iberville Parish bridge crossing location identified in the Baton Rouge Loop EIS and a secondary bridge connection to I-10 using the Sunshine Bridge (LA 70). He coordinated TransCAD model data with CRPC using traffic data published in available versions of the Baton Rouge Loop EIS. He completed a DOTD Environmental Inventory and Stage 0 Scope and Budget Checklists for each identified independent segment of utility. He presented proposed alignments to LADOTD, Iberville, and Ascension Parishes, and various stakeholders identified by Iberville Parish.
12/09–04/11	**New Orleans Regional Planning Commission, Andrew Higgins Boulevard Feasibility Study, New Orleans, LA.** *Task Manager.* Jonathan managed the civil site and utility relocations plan to install a concrete paver surface along Andrew Higgins Boulevard in downtown New Orleans for conversion of the roadway to a pedestrian mall. Duties included development of typical sections and review of the proposed improvements along with green infrastructure solutions to capture and reuse surface runoff.
10/20–Present	**MOVEBR College Drive Enhancements, City-Parish of East Baton Rouge, LA.** *Project Manager.* Jonathan managed the design study, traffic study, and preliminary plans for the completion of capacity and safety improvements that also include Complete Streets and Green Infrastructure enhancements on College Drive and adjacent facilities between Perkins Road and Bawell Street, including the I-10 interchange. Documented preliminary alternatives using LADOTD Stage 0 Project and Scope and Environmental Checklists to apply for state and federal funding grants. He developed preliminary concepts and QC reviewed the safety analysis.

Firm	AECOM Technical Services, Inc.		
Derek Chisholm, AICP, ENV SP, LEED GA *(MPR 2, 3)* Project Manager		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	21
Degree(s) / Years / Specialization	MPA/1997/Public Affairs • BS/1994/Organizational Management, Environmental Planning • Post-Grad Certificate/2022/Public Policy Implementation		
Active Registration Number / State / Expiration Date	AICP.147159/12.31.2023 • Leadership in Energy and Environmental Design, Green Associate/#10148303 • Envision Sustainable Professional • FHWA-NHI-142005 NEPA and Transportation Decision-Making		
Year Registered	N/A	Discipline	American Institute of Certified Planners
Contract Role(s) / Brief Description of Responsibilities	**MPR 2, 3. Project Manager.** *Derek is a senior-level NEPA expert and project manager, living in Louisiana, with nearly 30 years of progressive experience. He has managed complex, conceptual planning and NEPA studies for numerous state DOTs, FHWA, and FTA.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/16–Present	**LADOTD, SPN H.004273.5, I-49 Lafayette Connector, Lafayette, LA.** *Environmental, Public Involvement.* The team is completing the Functional Plan for the I-49 corridor, which is structured around a context-sensitive solutions (CSS) approach. Derek originally served as the bridge between the public and stakeholder involvement of the CSS process and the environmental team. He set up the comment management system, co-leads the NEPA Task, and is facilitating the Section 106 consultation. He has been leading the break-out reevaluation for the first construction segment, and the development of the award-winning virtual reality open house. *2022 TransComm Award. DOTD received an Interactive Marketing award for the I-49 Lafayette Connector Virtual Reality Room.*
11/17–04/20	**LADOTD, SPN H.001779.2, Jimmie Davis Bridge Supplemental EA, Bossier and Caddo Parishes, LA.** *Senior Advisor.* Derek provided quality control review and assisted with complex issues related to bicycling connectivity, Section 4(f) and the final FHWA comments on the preliminary, draft Supplemental Environmental Assessment (EA).
03/06–02/13	**Columbia River Crossing, NEPA, IMRs, and Concept Development, Portland, OR.** *Consultant Environmental Team Manager.* This project included a major bridge over a navigable waterway with multi-modal improvements between Portland, OR, and Vancouver, WA. Derek worked with the design teams and others to prepare environmental documentation, plan amendments, and numerous impact analyses. Derek and his team managed various complex tasks, including reburial of tribal remains, de-minimis negotiations for park impacts, navigation and aviation vertical constraints, a Biological Opinion and take, construction phasing, marine mammal protection, and more. • *National Environmental Excellence Awards for Climate Change Evaluation and the Fish Hydro-acoustics Impacts Study*
8/22–Present	**LADOTD, SPN 004891.5, Reserve to I-10 Connector.** *Technical Lead.* This project seeks to complete the EA and Interchange Justification Report for the planned connection between the Port of South Louisiana GlobalPlex facility, and other lands, directly to I-10 in Ascension Parish. Derek has led the AECOM Task to determine funding sources and delivery methods.
11/18–Present	**FHWA Synthesis Report on Automated Vehicles (AVs) and NEPA, Nationwide.** *Project Manager.* Derek managed this national study of the manner in which AVs are being incoorpate in NEPA analysis. The Synthesis Report includes over a hundred pages with a literature review covering all relevant legislation and guidance as well as the findings from numerous modeling studies showing the benefits of platooning, connectivity, and other advancements on highway system performance. The team interviewed various subject matter experts and DOT leaders who were working on AV deployment projects and NEPA studies, nationwide.
03/18–Present	**U.S. Air Force, Barksdale Air Force Base, IMR and EA, Bossier City, LA.** *Environmental.* To improve traffic congestion, safety/national security, Derek assisted with the EA of this improvement, and an MOU and strategy for expeditious completion of the IMR process. The U.S. Air Force is designing and constructing the portion for which AECOM prepared an EA.

03/14–09/16	**Lafourche Airport Connector Road EA, Port Fourchon, LA.** *Environmental.* Lafourche Parish and the Port partnered to provide this important new connection between the Port's upland and coastal facilities. The DOTD had not provided funding for the EA but was collaborating with the Parish and Port on this effort. Derek led the development of the draft preliminary EA, design, and the public and agency coordination tasks. AECOM developed a TIGER Grant application as well. *(H number was not available during project duration)*
03/07–11/10	**ODOT Highway 99 Bypass NEPA, IJRs, and IMRs, Yamhill County, OR.** *Public Involvement Lead, EJ Lead.* This project included conceptual design, environmental review, extensive outreach, and new and modified interchanges. Derek oversaw the public involvement efforts related to environmental justice for this major highway project in the rapidly urbanizing northwest Willamette Valley. He coordinated with social service organizations and led a number of outreach events targeting environmental justice communities that included low-income families, migrant farm workers, and others.
03/19–Present	**Gordie Howe International Bridge, Detroit, MI, to Windsor, Canada.** *Sustainability Lead.* AECOM designed and is delivering the longest span bridge in North America. Derek assisted the project based on his previous experience working on sustainable design and construction issues for similar projects. He helped in the pursuit of both LEED and ISI Envision certifications for the bridge and portals. • *Numerous awards, including Best Available or Innovative Technology Award. Windsor, Detroit Bridge Authority, Bridging North America, and AECOM for the Gordie Howe International Bridge, Post-NEPA Environmental Management and Compliance Program*
11/07–03/10	**WSDOT Alaska Way Viaduct Seattle Waterfront Promenade and Overlook Walk, Seattle, WA.** *Environmental.* Derek led the environmental justice analysis and authored the respective sections of the social discipline reports for Supplemental Draft EIS, and for the Final EIS. He led the development of an analytical model and outreach program to determine potential high and disproportionate impacts related to tolling of the facility. Following on his NEPA work removing the Alaska Way Viaduct from the Seattle waterfront, Derek assisted with the completion of a world-class promenade. The promenade was the subject of its own NEPA process.
10/18–Present	**ADOT I-11 Corridor Alternative Selection Report and Tier 1 Environmental Impact Statement (EIS), AZ.** *Environmental Justice Senior Advisor.* This study involves conducting alternatives analysis and preparing a Tier 1 EIS to assess a new 280-mile high-capacity, access-controlled transportation corridor in Arizona. Derek provided guidance and quality control.
05/10–8/13	**ODOT Clackamas River-Springwater Road Bridge, Clackamas, OR.** *Environmental.* This project developed and evaluated alternative river crossings in the core of Carver, OR. Derek led the public involvement discussions and aspects of the alternatives analysis. He also led the NEPA process. Issues included direct impacts to many businesses, a low-income manufactured home park, and historic resources.
07/08–09/10	**Portland-Milwaukie Light Rail Project, Willamette River Transit Bridge, Portland OR.** *Environmental.* Derek supported the built environment analysis, assisted modestly with the design (elements related to complete streets and the approaches), and worked on a shared environmental justice impact report and mitigation that were caused by a combination of this and other projects requiring the construction of a new facility for the light rail vehicles. • *National Honor Award. 2016 (ACEC), Best Highway/Bridge Project Award, 2016. Engineering News-Record (ENR), Northwest. Project of the Year, 2016. American Segmental Bridge Institute (ASBI)*
07/10–04/13	**WSDOT Mukilteo Multimodal Project, Mukilteo, WA.** *Environmental.* Derek wrote the socioeconomic technical report, assisted with environmental justice and cultural resource issues, and authored sections of the final documents. The City of Mukilteo and WSDOT worked together to develop solutions for the problems associated with the State ferry landing facilities. • *Outstanding Achievement Award. Excellence in Environmental Document Preparation, EIS Category, FTA, 2013*
10/05–04/07	**ODOT Bridges Visual Performance, Oregon, Statewide.** *Visual Assessment.* Derek led a team of ODOT project management specialists, engineers, visual specialists, and others in preparing the visual performance standards (VPS) for the Oregon Transportation Investment Act (OTIA) III State Bridge Delivery Program. The VPS established context-sensitive, performance-based, and programmatic aesthetic guidelines and standards for bridge repair or replacement projects. Derek managed the field investigations of over 200 bridges, and prepared visual context data sheets from which each bridge's visual exposure and prominence in the visual environment was assessed.

Firm	AECOM Technical Services, Inc.		
Jonathan Martinez *(MPR 4)* Environmental Planner		Years of Relevant Experience with this Employer	21
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2002/Forestry and Ecosystem Management		
Active Registration Number / State / Expiration Date	USACE Wetland Delineation and Management (Reg. IV) Training Certified		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**MPR 4. Environmental Planner.** *Jonathan has over 20 years of experience in Louisiana, Mississippi, and Arkansas, developing NEPA analyses and permit applications for LADOTD, MDOT, and ARDOT projects.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/15–Present	**LADOTD, SPN H.004273.5, I-49 Connector Supplemental EIS, Lafayette, LA.** *Environmental Planner.* Jonathan assisted with the Supplemental SEIS being conducted for this 5.5-mile segment of I-49 South between I-49/I-10 interchange and the Lafayette Regional Airport through urban Lafayette. The work advances the project beyond the Record of Decision issued for the project by FHWA in January 2003. While the project initially required a reevaluation of the concept of the 2003 Selected Alternative, the passage of time, changes in the environment and community concerns have resulted in refinements to that concept that are substantial enough to warrant an SEIS. Jonathan's role is to write all of the natural environmental sections of the SEIS and assist with the review of the Phase I ESA and the Section 106 Consultation process. To date, he has performed the wetland delineation and preparation of the Section 404 permit as well as to work closely with other staff in the project development.
09/15–02/19	**Port of St. Bernard SPN H.012752, Categorical Exclusion (CE), Weinberger Road at Highway 46, St. Bernard Parish, LA.** *Environmental Planner.* This project includes the realignment eastward and construction of a new intersection between Weinberger Road (Arabi Terminal Port Entrance Road) and Louisiana Highway (LA) 46 (St. Bernard Highway).Jonathan performed a wetland delineation and submitted that report to the USACE, receiving an approved Jurisdictional Determination. He also wrote the CE, which was approved by FHWA.
01/03–04/12	**LADOTD, SPN H.006447.2 I-69 SIU, EIS, Claiborne and Webster Parishes, LA, Columbia and Union Counties, AR.** *Field Biologist.* Jonathan was responsible for fieldwork to determine the presence of threatened and endangered (T&E) species in the area, as well as wetland delineations and the study of a suitable crossing of the Bayou Dorcheat scenic stream. The I-69 Corridor's section of independent utility number 14 spans between Shreveport, LA, and El Dorado, AR, through a rural timber and poultry farming area.
09/11–02/12	**LADOTD, SPN H.004580.5, Re-evaluation of EA and FONSI, US 190 in Mandeville from LA 22 to Lonesome Road, LA.** *Environmental Planner, Biologist.* This project reconstructed US 190 extending from LA 22 to Lonesome Road, including the construction of two new bridge structures over Bayou Chinchuba. This project is a re-evaluation of the original EA and FONSI completed in 1999 and revised in 2006. Jonathan was responsible for applying for a new Section 404 Wetland Permit and Coastal Use Permit as well as a T&E species survey and clearance, as well as additional field work, surveys, and coordination with state and federal agencies and submittal of a Wetland Findings Report and T&E Species Survey Concurrence.

01/12–05/14	**LADOTD State Project No H.004730, EA, US 61/Tulane Avenue Corridor Improvements, Orleans Parish, LA.** *Environmental Planner.* This project includes improvements such as median widening, cold mill and overlay with restriping, and reconstruction of sidewalks along Tulane from South Carrollton Avenue to South Claiborne Avenue. The project implemented corridor improvements to enhance quality of life, livability, and sustainability in the corridor and will support future transportation demand and adjacent land use including pedestrian, bicycle, and transit system operations. The completed corridor improvements consist of amenities associated with a complete streets concept.
11/10–10/13	**LADOTD, SPN H.004932, EA, US 90 at LA 318, St. Mary Parish, LA.** *Environmental Planner.* Jonathan assisted with an EA associated with a new interchange at US 90 and LA 318. The project was in a rural setting with concerns related to effects on existing utilities, agricultural lands, natural environment, and human environment. The interchange is located on a major east-west route that provides for hurricane evacuation and is part of the future I-49 Corridor. LA 318 Parkway is the major north-south connector from US 90 to the St. Mary Sugar Co-op and the Port of West St. Mary. The project is also critical to accommodate the future upgrading of US 90 to part of the Interstate System as I-49.
07/15–11/15	**LADOTD, SPN H.004932, Supplemental EA, US 90 at LA 318, St. Mary Parish, LA.** *Environmental Planner.* Jonathan completed the Supplemental EA (SEA) as part of the design-build process, which included review and revision of the previous EA. He obtained a FONSI on a very aggressive schedule set by the DB contractor, FHWA, and DOTD.
03/09–02/14	**LADOTD State Project Nos H.005201 and H.008732, Baton Rouge Loop, Implementation Plan and Tier 1 EIS Alternatives Evaluation and Travel Demand Modeling, Baton Rouge, LA.** *Environmental Planner.* Jonathan was a lead author for portions of the implementation plan and Tier 1 EIS were prepared for the proposed Baton Rouge Loop, a predecessor to this project to site a new Mississippi River Bridge in Metropolitan Baton Rouge. The alternatives evaluation examined a toll roadway concept that was studied in three units: South - I-10 on the west bank of the Mississippi River to I-10 on the east bank; East I-10 on the east bank of the Mississippi River to I-12 near Livingston; and North – I-12 near Livingston to I-10 on the west bank.
10/10–05/15	**LADOTD SP No H.004424, EA, US 61 at LA 3125/Clearview Parkway, Jefferson Parish, LA.** *Environmental Planner.* Jonathan assisted with this EA associated with intersection improvements at US 61 and Clearview Parkway. The project is in a densely urban setting with numerous concerns related to effects on existing utilities, infrastructure, and human environmental. The intersection is location on a major east-west route that provides for hurricane evacuation as well as a bypass to I-10. Clearview Parkway is the major north-south connector from the Huey Long Bridge to I-10. The project is also critical to accommodate increased traffic projected with completion of the Huey Long Bridge widening.
2008–2010	**Regional Planning Commission, LA 637, West 10th Street, Globalplex Internal Access Roadway EA Reserve, LA.** *Environmental Planner.* Jonathan provided environmental and GIS support for an EA for an improved roadway connection between the Port of South Louisiana's Globalplex facility in Reserve to US 61, approximately 2 miles north of the facility. Improvements involved some new right-of-way in an area of mixed commercial/industrial and residential land use. Jonathan was responsible for analyzing utilities, infrastructure, and potential commercial and residential impacts as well as impacts to the surface waters, soils, and hazardous materials. He also performed analysis for impacts to the floodplain and performed wetland delineations and T&E species surveys as well as development and preparation of corresponding sections for the EA, including ArcView GIS graphics.
02/09–02/09	**LA 10 Stage 0 Feasibility Study, St. Helena, Tangipahoa, and Washington Parishes, LA.** *Environmental Planner.* Jonathan provided environmental and GIS support for a Stage 0 Feasibility Study to identify geometric and operational deficiencies along LA 10 within three eastern Florida Parishes in south Louisiana.

Firm	Coastal Environments, Inc.		
David Kelley, PhD *(MPR 5)* Archaeologist/Historian		Years of Relevant Experience with this Employer	42
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	PhD/1990/Anthropology • Introduction to Section 106 Review, Heritage Resources Management Program, University of Nevada, Reno/2002		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**MPR 5. Archaeologist/Historian.** *David has over 40 years of experience overseeing cultural resources investigations for LADOTD and other agencies. During that time, he has served as the principal investigator or project archaeologist for over 100 projects.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
08/22–03/23	**LA 1/ LA 415 Connector, West Baton Rouge, LA.** *Principal Investigator.* Highway construction.
03/22–04/23	**Louisiana Clean Energy Pipeline, Ascension, St. James, St. John the Baptist and Tangipahoa Parishes, LA.** *Principal Investigator.* Carbon sequestration project.
05/12–06/21	**I-10 Calcasieu River Bridge Replacement (H.003931.5), Lake Charles, LA.** *Principal Investigator.* Replacement of Interstate Highway bridge.
11/20–04/21	**LA 8 Sabine River Bridge Replacement, Vernon Parish, LA.** *Principal Investigator.* Construction of approach to new bridge.
08/18–03/19	**LA 70 Widening, Sunshine Bridge to LA 22 (H.002424), Ascension and St. James Parishes.** *Principal Investigator.* Highway widening.
07/17–01/18	**US 190/LA 415 Interchange Improvements (H.000358), West Baton Rouge Parish, LA.** *Principal Investigator.* Interchange improvements.
01/17–01/19	**LA 3234 Extension from LA 1065 to Hammond Airport (H.008915), Hammond, LA.** *Principal Investigator.* Extension of highway to airport.
10/15–05/16	**Dijon Drive Extension (H.0012232), Baton Rouge, LA.** *Principal Investigator.* Construction of connector road.
05/14–01/16	**US 61 to I-10 Connector (H.004891), St. John the Baptist Parish, LA.** *Principal Investigator.* Construction of Interstate connector.
05/12–03/17	**LA 1 Bridges near Grand Isle (H.005403), Jefferson and Lafourche Parishes, LA.** *Principal Investigator.* Replacement of bridges.
04/08–10/10	**Front Street Natchitoches Improvements (700-35-0123) Natchitoches Parish, LA.** *Principal Investigator.* Improvements to brick street.
02/03–12/05	**New River Restoration Project, Ascension Parish, LA.** *Principal Investigator.* Drainage improvements to New River.

Firm	Coastal Environments, Inc.		
Joanne Ryan, MA *(MPR 5)* Archaeologist		Years of Relevant Experience with this Employer	29
		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization	MA/1988/Archaeological Studies • BA/1986/Classical Archaeology • Section 106: An Introduction, National Preservation Institute Seminar/2006		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**MPR 5. Archaeologist.** *Joanne has conducted cultural resources investigations in Louisiana, Mississippi, North Carolina, Alabama, and Texas, and is proficient in all phases of fieldwork, proposal and research design development, archival research, aboriginal and historic artifact analysis, and report writing, editing, and production. She has directed numerous field excavations (monitoring, Phase I survey, Phase II testing, and Phase III data recovery) and written nearly 100 cultural resources investigation reports, as well as data-recovery plans and portions of EAs and EISs in compliance with NEPA regulations.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
12/16–12/19	**H.008915.2, LA 3234 Extension from LA 1065 – Hammond Airport.** *Archaeologist.* Conducted cultural resources survey for LADOTD. Subconsultant to N-Y Associates, Inc.
04/16–12/16	**H.002333, Monitoring Bayou Paul Bridge Replacement Route LA 327, Iberville Parish.** *Archaeologist.* Conducted cultural resources monitoring for LADOTD.
05/14–01/16	**H.009012, LA 10 and 67 Intersection Widening & Sidewalk Replacement Project, East Feliciana Parish.** *Archaeologist.* Conducted historical research for survey and testing for LADOTD.
05/12–12/14	**H.005403.2, Stage 1 Environmental Assessment, LA Highway 408-Hooper Road Extension & Widening (LA 16-Sullivan Road), E Baton Rouge & Livingston Parishes.** *Archaeologist.* Conducted cultural resources survey for LADOTD.
02/10–12/14	**H.004891, US 61 to I-10 Connector EIS, St. John the Baptist Parish.** *Archaeologist.* Conducted historical research, fieldwork and report production for LADOTD.
10/12–03/13	**H.001661.2, Black Bayou Bridge Replacement, Caddo Parish.** *Archaeologist.* Conducted cultural resources survey for LADOTD.
01/12–08/12	**H.001970, LA 561 Boeuf River Bridge Replacement Project, Caldwell and Richmond Parishes.** Conducted cultural resources survey for LADOTD.
12/05–10/09	**NCB-0002-05[063], Columbus Bypass, U.S. Highway 45, Lowndes County, MS.** *Archaeologist.* Conducted cultural resources survey for MDOT. Subconsultant to Neel-Schaffer, Inc.
10/07–06/09	**700-28-0213, H.004482.2, Ambassador Caffery Extension North EA, Lafayette Parish.** *Archaeologist.* Conducted historical research for LADOTD.
08/07–03/08	**736-52-0043, LA 21 Widening Project, St. Tammany Parish.** *Archaeologist.* Conducted historical research for LADOTD.
04/02–12/06	**NCPD-I-69(1) 103104/101000, I-69, Robinsonville to Benoit, Bolivar, Coahoma, Tunica, and Sunflower Counties, MS.** *Archaeologist.* Conducted cultural resources survey, historic artifact analysis, and co-authored report for MDOT. Subconsultant to Neel-Schaffer, Inc.
09/00–08/03	**019-05-0017, 019-05-0036, Thompson Creek—Bains, Route LA-US 61 Four Lane Project Addition, West Feliciana Parish, LA.** *Archaeologist.* Conducted cultural resources survey, testing, and data-recovery for LADOTD.

Firm	**Coastal Environments, Inc.**		
Sarah Hahn, MA *(MPR 6)* Architectural Historian		Years of Relevant Experience with this Employer	26
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	MA/2005/Anthropology • BA/1995/Anthropology		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**MPR 6. Architectural Historian.** *Sara provides advice on cultural resources to be considered in planning transportation projects and how to access these databases. She meets the Secretary of the Interior's qualifications for the Architectural Historian and Archaeologist and has taken courses in Section 106, Section 106 Agreement Documents, Section 4(f) compliance for cultural resources and NEPA Compliance. She is certified as a Traffic Control Technician-LA State Specific.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
5/12–6/21	**H.003931.5, I-10 Calcasieu River Bridge Replacement Project.** *Architectural Historian.* Cultural resources survey of large bridge replacement project for DOTD.
03/19–09/19	**Architectural Survey of Scotlandville, East Baton Rouge Parish.** *Architectural Historian.* Grant from Louisiana Division of Historic Preservation. A total of 1,814 properties were recorded during the survey.
01/17–01/19	**H.008915, LA 3234 Extension from LA 1065 – Hammond Airport, Tangipahoa Parish.** *Architectural Historian.* Conducted an architectural survey of proposed alternatives for highway extension project for DOTD.
02/16–02/18	**H.005720, Florida Avenue Expressway, Orleans Parish.** *Architectural Historian.* Conducted an architectural survey and NRHP evaluation of structures.
08/17–09/17	**H.010815.2-1, LA 124 Extension, Catahoula Parish.** *Architectural Historian.* Conducted an architectural survey and prepared report.
05/14–01/16	**H.009012.2, LA 10 & 67 Intersection Widening and Sidewalk Replacement, East Feliciana Parish.** *Architectural Historian.* Conducted an architectural survey and NRHP evaluation of 22 structures and archaeological survey and testing.
11/15–11/16	**TramLinkBR Project, Baton Rouge, East Baton Rouge Parish.** *Architectural Historian.* Conducted an architectural survey and NRHP evaluation of 110 structures and determined six as eligible for the NRHP.
05/14–01/15	**H.001146.2, LA 120 Bridges near Provencal, Natchitoches Parish.** *Architectural Historian.* Conducted an architectural survey and NRHP evaluation of five structures and the archaeological survey.
04/13–01/15	**H.07876.2, HAER: The Bayou Boeuf Bridge on LA 1177, Avoyelles and Rapides Parishes.** *Architectural Historian.* Conducted an archival research and prepared the Historical Report portion of the HAER documentation.
08/12–06/13	**H.000263.2, Chef Menteur Bridge and Approaches, Orleans Parish.** *Architectural Historian.* Conducted an archival research and architectural survey of 17 structures and determined two bridges eligible for the NRHP.
(05/12-12/13)	**H.005403.2, Stage 1 Environmental Assessment, LA Highway 408-Hooper Road Extension & Widening (LA 16-Sullivan Rd), East Baton Rouge & Livingston Parishes, LA.** *Architectural Historian.* Conducted architectural survey, evaluation and archival research.

Firm	Coastal Environments, Inc.		
Thurston Hahn, BA *(MPR 6)* Archaeologist/Historian		Years of Relevant Experience with this Employer	35
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BA/1987/History		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**MPR 6. Architectural Historian.** *Thurston has over 35 years of experience doing historical research and conducting archaeological surveys for LADOTD and other agencies. He meets the Secretary of the Interior's Qualifications for Architectural Historian, Historian, and Historic Preservation Specialist and has taken courses in Section 106 and Section 106 Agreement Documents.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
9/22-10/22	**Determination of Eligibility for the Hale Boggs Maritime Administration (MARAD) Warehouse, New Orleans, LA.** *Architectural Historian.* Determination of NRHP eligibility of federal warehouse.
02/22–8/22	**Scotlandville Historic Structures Survey Report, East Baton Rouge Parish, LA.** *Architectural Historian.* Creation of a NRHP Multiple Property.
05/12–05/22	**I-10 Calcasieu River Bridge Replacement (H.003931.5), Lake Charles, LA.** *Architectural Historian.* Replacement of Interstate Highway bridge.
12/20–12/20	**Determination of Eligibility for the Acre Road Housing Development, Marrero, LA.** *Architectural Historian.* Determination of NRHP eligibility of housing development.
12/19–3/20	**Plank-Nicholson Bus Rapid Transit Project, Baton Rouge, LA.** *Architectural Historian.* Rapid transit project for FTA.
02/16–08/18	**Florida Avenue Expressway (H.005720), New Orleans, LA.** *Archaeologist and Historian.* Directed archaeological survey, historian. Widening of highway to create expressway.
07/17–01/18	**US 190/LA 415 Interchange Improvements (H.000358), West Baton Rouge Parish, LA.** *Architectural Historian.* Interchange improvements.
06/15–03/17	**US 61 Port Gibson Bypass, Claiborne County, MS.** *Archaeologist and Historian.* Construction of bypass around town for MDOT.
10/15–05/16	**Dijon Drive Extension (H.0012233), Baton Rouge, LA.** *Architectural Historian.* Directed archaeological survey, historian. Construction of connector road.
05/14–01/16	**LA 23 Happy Jack to Port Sulphur (H.001399), Plaquemines Parish, LA.** *Archaeologist and Historian.* Directed archaeological survey, historian. Highway improvements.
05/12–03/17	**Statewide Historic Bridge Inventory (H.007020), LA.** *Architectural Historian.* Inventory of historic bridges in Louisiana.
04/08–10/10	**Front Street Natchitoches Improvements (700-35-0123) Natchitoches Parish, LA.** *Archaeologist and Historian.* Directed archaeological survey, historian. Improvements to brick street.

Firm	AECOM Technical Services, Inc.		
Gregory Trahan, PE, RSP$_1$ *(MPR 7)* Roadway Engineer		Years of Relevant Experience with this Employer	17
		Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization	BS/2005/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0036041/LA/03.31.2025 • #833/RSP$_1$/NA • Highway Safety Manual Workshop • 2015 ATSSA Certified–Traffic Control Technician/Supervisor/Flagger • 2016 ATSSA Certified–High Friction Surface Treatment Inspection & Installation • LADOTD Traffic Process and Report Parts 1,2, and 3 (2018) • 2019 ATSSA Certified–Traffic Control Supervisor Refresher		
Year Registered	2011	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 7. Roadway Design.** *Gregory is a civil engineer with experience working with on roadway design teams. He has worked hard delivering credible and quality projects for AECOM since graduating college. During his time with AECOM, Gregory has served as a project engineer and project manager for many transportation, planning, design, specification, and construction projects. He was elected President of the Baton Rouge Louisiana Engineers Society in May 2020.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
08/22–Present	**MDOT, US 49, Orange Grove Boulevard to St. Charles Street, Harrison County, MS.** *Project Manager, Engineer.* Gregory is managing the overall project design and coordination with MDOT and subconsultants. This project consists of converting two median turn locations into directional left turns with a mill and overlay on the remaining six lanes of traffic. In addition to the road work, roadway drainage was altered to collect the runoff from the new drainage patterns.
09/17–Present	**Coastal Protection and Restoration Authority, LA 23 Over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** *Project Engineer.* Gregory assisted in the design plans for the new bridge and roadway structure over the new sediment diversion. The project consists of a new concrete precast girder bridge, approximately 2,200 feet in length, and the connecting asphalt roadway. Design plans include plan and profile sheets, drainage plan and profile sheets, and sequence of construction plans. Multiple construction activities will be conducted at one time. The sequence of construction is a critical element of design to manage traffic and maintain roadway operations even if evacuation routes would be required.
05/20–Present	**Jones Creek Road Extension, Segment 1A, Jefferson Highway to Airline Highway, City of East Baton Rouge, East Baton Rouge Parish, LA.** *Project Manager.* Gregory prepared the Traffic, Phase I, Cultural Resources, and Wetland reports for the Design Report. The traffic analysis required for this segment of Jones Creek Road Extension includes the study of a major arterial road in Baton Rouge, Airline Highway (US 61). Gregory assisted in the data collection of Airline Highway, which included 7-day and 24-hour approach counts with classification, and turning movement counts. In addition, he collected the crash data required to analyze the existing crash analysis report. At this time, AECOM is continuing to work on No-Build and Build volumes to provide future Build Analysis
05/14–Present	**LADOTD, Earhart Expressway Extension to US 61, Jefferson Parish, LA.** *Project Engineer.* Gregory is assisting with a traffic study involving the new extension of the Earhart Expressway, a six-lane urban freeway, to Airline Drive, a four-lane highway, for a total of 10 lanes. The study will include analyzing existing and future conditions along the US 61 (Airline Highway) and LA 3154 (Dickory Avenue). As part of this project, Gregory is analyzing design alternatives, traffic data collection (speed and vehicular classification) along the corridor, and crash data.

02/07–06/10	**Baton Rouge Department of Public Works, Siegen Lane (LA 3246) Improvements, Highland Road to 650 Feet south of Perkins Road, Baton Rouge, LA.** *Project Engineer.* Gregory assisted in the design and plan development to widen a 1.18-mile segment of Siegen Lane to a four-lane boulevard. Tasks include the geometric design of the roadway, subsurface drainage, and the development of the sequence of construction. The drainage area encompassed approximately 225 acres. A study was conducted on the multiple detention ponds, using a pond modeling program to determine if the box culvert system would need to be upgraded. A HEC-RAS model was conducted on an existing drainage ditch crossing Siegen Lane so the proposed drainage would not exceed the existing tail water elevation. The sizing and spacing of culverts and inlets was determined using the LADOTD HYDRWIN hydraulics program. Gregory prepared quantities and cost estimates.
11/04–12/07	**LADOTD, SPN 700-92-0016, Florida Avenue Bridge over IHNC, New Orleans, LA.** *Project Engineer.* Gregory assisted in the geometric design of two interchange ramps connecting to Florida Avenue Bridge and two relocated parking areas for two major public installations in the project area. He assisted in the design of girder splices for the steel main span alternative. He also assisted in the preparation of quantity calculations and cost estimates for the steel main span alternative.
05/13–Present	**LADOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** *Project Engineer.* Gregory assisted in preparing a feasibility study to widen the existing crossing of the Red River along Jimmie Davis Bridge and to connect shared-use bicycle and pedestrian paths on each side of the river. Tasks included a geometrics study of highway and interchange ramps to produce three feasibility alternatives.
05/01-04/13	**LADOTD, Safety Retainer Contract, LA 935 Feasibility Study, Ascension Parish, LA.** *Project Engineer.* Gregory performed a Stage 0 on a segment of LA 935 from LA 431 to LA 22. He developed a conceptual alternative for the realignment of LA 935, including the typical section, design criteria, plan, and cost estimate. The road paralleling Black Bayou was realigned approximately 20 feet off the original alignment. This realignment allowed for the road to be widening to 12-foot lanes and add shoulders to provide a recovery area for drivers. AECOM also performed a cost analysis to ensure the feasibility of a build/no-build condition, minimize required right-of-way, and/or acquisition of properties.
05/10–09/12	**LADOTD, SPN H.005171.1, I-49 Study to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA.** *Project Engineer.* Gregory aided in identifying roadway projects that can provide increased capacity or improved safety along the existing US 90 corridor. Some of the improvements may upgrade portions of US 90 to interstate standards.
04/12–06/14	**Safety Retainer Contract, US 167 Corridor Study, Lafayette Parish, LA.** *Project Engineer.* Gregory provided crash analysis and environmental inventory associated with the US 167 Corridor Feasibility Study. He collected and analyzed data to identify trends and determine overrepresented crash types. He developed collision diagrams and used Crash Modification Factors to analyze safety countermeasures proposed for each alternative. The study considered a 0.75-mile segment of a heavily traveled, heavily developed narrow five-lane urban roadway with semi-continuous bicycle lanes that has moderate use and a major intersection.
12/01–04/17	**LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA.** *Project Engineer.* Gregory assisted in the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout Louisiana. The tasks associated with this project include site visits to the curves, plan preparation of safety countermeasures for each curve, cost estimates for the plan set, and a pre-construction meeting with each DOTD district. Each site visit includes a ball bank test, photo, and an existing conditions documentation of each curve. The plan preparation includes deriving safety countermeasures at each curve location, preparing a letter size plan set of the safety countermeasures, including the Crash Modification Factors (CMFs) within the plan sheet, and preparing cost estimates for the safety countermeasures. After the completing each letter size plan sets, a meeting was held with each District to discuss countermeasures.

Firm	AECOM Technical Services, Inc.		
John (Ford) Galtney, PE *(MPR 7)* Senior Roadway Engineer		Years of Relevant Experience with this Employer	<1
		Years of Relevant Experience with Other Employer(s)	27
Degree(s) / Years / Specialization	BS/1996/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0029031/LA/09.30.2024		
Year Registered	2000	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 7. Roadway Design.** *Ford will support the project manager and other team members with roadway design services during the environmental process. Ford served as a design engineer for 21 years for the LADOTD and knows the Department's standards and processes.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
03/08–06/17	**LADOTD, Traffic Engineering Development, Design Development Unit.** *LADOTD Roadway Engineer.* Ford provided state highway and other co-agency project reviews and design guidance through various stages to construction. He assisted in development and interpretation of state guidelines to the transportation community.
03/02–03/04	**LADOTD, Juban Road Interchange at I-12, Livingston Parish, LA.** *LADOTD Roadway Engineer.* Ford developed design plans, providing interstate access to I-12 from Juban Road in Livingston Parish. The work involved coordinating with various DOTD sections, including planning, survey, right-of-way, environmental, utility, geotechnical, bridge, construction, and hydraulics to maintain the project on time and within budget
05/06–03/08	**LADOTD, LA 70, Pierre Part, Assumption Parish, LA.** *LADOTD Roadway Engineer.* This project widened LA 70 from two to three lanes in Pierre Part, including converting 1 mile of open ditches to subsurface drainage and adding a continuous center turn lane, curb and gutter, and sidewalks. The work involved coordinating with various LADOTD sections, including planning, survey, right-of-way, environmental, utility, geotechnical, bridge, construction, and hydraulics to maintain the project on time and within budget
03/04–03/06	**LADOTD, US 190 Reconstruction LA 983 to LA 1.** *LADOTD Roadway Engineer.* This project reconstructed and widened 7 miles of US 190 to include a 50-foot median. The work involved coordinating with various LADOTD sections, including safety, survey, right-of-way, environmental, utility, geotechnical, bridge, construction, and hydraulics to maintain the project on time and within budget.
03/06–03/08	**LADOTD, US 371 I-49 to LA 1.** *LADOTD Design Engineer Supervisor.* This project extended US 371 from LA to I-49. Work included a new two-lane highway and widening and overlay of a section of existing LA 177 to become US 371. Additional work included environmental obstacles, minor rescoping of project limits, existing highway realignment, turn lanes, flood plain investigation, and changes to an existing railroad crossing.
06/96–06/98	**LADOTD, State Route in Laplace, LA.** *LADOTD Roadway Engineer.* This project converted US 61 to five lanes through Laplace. Work included existing median removal, pavement widening, turn lanes, installation of side access control features, and asphalt overlay.
03/98–03/02	**LADOTD, LA 435 Bridges, St. Tammany Parish, LA.** *LADOTD Roadway Engineer.* This project replaced three bridges with two bridges and a box culvert on LA 435. This included minor roadway realignment to ease constructability phasing, vertical alignment raising, and environmentally sensitive wetlands.
03/00–03/02	**LADOTD, LA 16 Bridges, Washington Parish, LA.** *LADOTD Roadway Engineer.* This project replaced two bridges on LA 16. Work included minor rescoping of project limits, split slab construction, temporary signals, and coordination of construction phasing to have both lanes open during the Parish fair.

Firm	Neel-Schaffer, Inc.		
Mai Nguyen, PE *(MPR 7)* Roadway Design Engineer		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	BS/2008/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0038189/LA/03.31.2024 • *Work Zone Traffic Control Supervisor, Technician and Flagger*		
Year Registered	2013	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 7. Traffic Engineer.** *Mai has over 14 years of experience as a roadway design engineer, including over 6 years working for LADOTD roadway design. She is proficient with modeling and developing roadway plans in accordance with LADOTD design guidelines. She has completed numerous roadway construction plans, including roadway alignments, cross sections, geometric details, graphical grades, drainage design, construction sequencing, striping, and signing layout, and cost estimates. She also has completed countless interchange geometric layouts, roundabouts, and unconventional intersections following AASHTO and LADOTD design guidelines. She is experienced with utility coordination, creating detour plans, and working with contractors and LADOTD engineers to verify the project is constructed according to plans. She has been involved with feasibility studies, Stage 0 reports, EAs, roadway concept layouts for traffic studies, and developed high-level cost estimates for multiple District Safety Investment Plans.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/15–11/22	**US 90 Pearl River Bridges EA, St. Tammany Parish, LA, and Hancock County, MS.** *Design Engineer.* Mai was responsible for over 75 line and grade alternatives. Project includes the replacement of five bridges. This project also includes roundabout intersections. Developed horizontal and vertical alignments, considering required drainage and ROW requirements were developed and analyzed for potential environmental impacts and costs. Includes a roundabout intersection
09/22–Present	**East Milton Avenue Roundabout Widening and Corridor Improvements, Youngsville, LA.** *Design Engineer.* Mai is responsible for tasks similar to a line and grade, preliminary and final plans for a 1.1-mile project at intersection of Chemin Metairie Road and East Milton Avenue. This project includes adding a two-way left-turn lane to an existing two-lane and convert a single roundabout to multi-lane roundabout. The corridor includes subsurface drainage, restricted crossing U-turn, and raised median to prevent left-turn movements.
04/18–Present	**SPN H.011235.5, I-49 South at Verot School Road, Lafayette, LA.** *Design Engineer.* Mai is responsible for preliminary and final plan development. This project which will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/ US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Rd and South Collage Rd. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. This project includes new line and grade layouts.
02/20–Present	**I-20, LA 544 Overpass Replacement, Lincoln Parish, LA.** *Design Engineer.* NSI is managing the preliminary and final design services for this project, which will replace the LA 544 overpass diamond interchange with a diamond roundabout interchange. The new bridge over I-20 will include sidewalks and four multi-lane roundabouts. This project includes a level 2 TMP. The project includes tasks similar to a line and grade (establish design criteria, develop typical sections, horizontal geometry, vertical geometry).

02/20–01/22	**SPN H.014054.1, I-69 Stage 0 Frontage Road, Stonewall Frierson Road, Desoto Parish, LA.** *Design Engineer.* Mai was responsible for horizontal alignment layout. This project provides a connection between I-49 and the proposed future I-69. The project included the stage 0 report, checklists, conceptual layout, and cost estimates. The project also included widening, upgrading, and extending existing roadway.
02/20–01/22	**SPN H.014056.1, I-69 Stage 0 Frontage Road, Ellerbe Road, Caddo Parish, LA.** *Design Engineer.* Mai was responsible for horizontal alignment layout. This project, when combined with the proposed future I-69, will provide a connection between Port of Caddo-Bossier and I-49. The project included the Stage 0 report, checklists, conceptual layout, and cost estimates. The project also included bridge replacements, upgrading, and extending existing roadway to current design guidelines.
02/18–06/21	**Districts 5, 7, and 8 Safety Investment Plan.** *Design Engineer.* Mai was responsible for high-level concept layouts for low-cost safety improvements throughout the district, including roundabouts, realign intersections, installed raised crosswalk, access management, add sidewalk and paved shoulder, and turn lane. She was also responsible for calculated quantities and cost estimation.
02/17–06/17	**SPN H.011402, LA 6, I-49 Interchange to LA 3278 Corridor Study, Natchitoches, LA.** *Design Engineer.* Mai was responsible for line and grade geometric alternatives and cost estimates supporting the study. LA 6 Corridor Study Includes analysis of proposed roundabout interchange (3 roundabouts) geometry intersections.
08/17–07/18	**I-10 New Orleans Master Plan.** *Design Engineer.* Mai was responsible for developing horizontal and vertical alignments of roadways (line and grade), and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.
09/15–10/17	**4400004064/H.011454.1, LA 22, Dalwill to Rodger Storm Corridor Study.** *Design Engineer.* This project includes analysis of six roundabout geometry intersections. Mai was responsible for tasks similar to a line and grade geometric alternatives and cost estimates supporting the study.
02/15–12/16	**US 51 Business Corridor Study, I-12 to Coleman.** *Design Engineer.* Mai was responsible for tasks similar to a line and grade geometric alternatives and cost estimates supporting the study. Project includes analysis of three roundabout geometry intersections.
02/15–10/16	**US 51 Corridor Study, West University to I-55.** *Design Engineer.* Mai was responsible for tasks similar to a line and grade geometric alternatives and cost estimates supporting the study. Project includes analysis of eight roundabout geometry intersections.
09/14–08/15	**LA 27 Turn Lane Improvements, Cameron and Calcasieu, LA.** *Design Engineer.* Mai was responsible for developing roadway plans following LADOTD design guidelines at three turn lanes along LA 27 at LGN plant entrances. She served as utility coordinator and provided engineering support during construction. She was also responsible for developing utility agreement packages as part of utility coordination phase. The tasks included communication, site visitation, and coordination with countless utility companies, LNG facility personnel, and LADOTD to seamlessly reduce and address utility conflicts. She assisted the contractor with design associated with concrete barrier, provided working drawings to assist with construction activities, and provided commercial driveway detail drawings and design at locations with large grade changes.
09/14–08/15	**SPN H.010124, LA 16 Roundabout at LA 447, Livingston, LA.** *Design Engineer.* Mai was responsible for developing roundabout preliminary roadway plans in accordance with LADOTD design guidelines, creating horizontal and vertical alignment layouts, modeling roadway to determine required right-of-way limits, developing sequence of construction, and perform hydraulic analysis.
05/12–10/14	**SPN H.009033, LA 44 Intersection Improvement at LA 934, Ascension Parish, LA.** *Design Engineer.* Mai was responsible for developing roadway plans in accordance with LADOTD design guidelines, performing sub-surface drainage calculations, creating horizontal and vertical alignment layouts, modeling roadway to determined required right-of-way limits, and calculating quantities and cost estimates for bidding.

Firm	AECOM Technical Services, Inc.		
Daniel Helms, PE, PTOE, RSP $_{21}$ *(MPR 8)* Principal Highway Safety and Traffic Engineer		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	19
Degree(s) / Years / Specialization	ME/2003/Civil Engineering • BS/1998/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.42486/LA/9.30.2024 • PTOE #2820/4.14.2025 • RSP$_{2I}$ #11/12.09.2025 • ATSSA Traffic Control Technician–LA State Specific/2023 • ATSSA Traffic Control Supervisor –LA State Specific/2023 • LADOTD Traffic Process and Report Parts 1, 2 and 3/2018		
Year Registered	2018	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 8. Traffic Forecasts/Traffic Safety Analysis.** *Daniel will use his wealth of experience from his time as traffic safety engineering manager for MDOT, where he developed and managed design projects for intersection improvements, such as roundabouts, RCUTs, and the conversion of traffic signals to flashing yellow arrow (FYA). Daniel also developed several low-cost safety improvement projects that deployed systemic treatments. These projects were based upon projects being developed by LADOTD, at the time.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
06/20–05/22	**TxDOT, Loop 1604 and I-10 Schematic and Interchange Access Justification Report (IAJR), San Antonio, TX.** *Senior Traffic Engineer, Highway Safety Technical Lead.* Daniel was responsible for the development and technical quality review in the design and layout of overhead signing for a 20-mile section of freeway. The work included relocating signs for clear and concise understanding for the roadway user. He was also responsible for the Enhanced Interchange Safety Analysis Tool (ISATe) predictive safety analysis for an IAJR for the upgrade of a major system interchange in northwest San Antonio. The IAJR was approved in 2022.
02/20–07/22	**TxDOT, I-35W at US 67 IAJR, Alvarado, TX.** *Senior Highway Safety Technical Lead.* Daniel was the highway safety lead for the development of an IAJR for this project that will remove an old left-hand ramp, improve mainline I-35W geometry, revise off/on-ramp sequencing, and convert frontage roads to one-way operations. The IAJR analyzes the impacts to mainlanes, frontage roads, and frontage road cross streets both in terms of traffic operations but also safety. Predictive safety analysis was used to develop a comparative analysis to evaluate the impact to safety, which concluded that safety would not be negatively impacted by the project. The team also worked in collaboration with TxDOT to revise the location of ramp termini and surface streets intersections to improve functionality and safety. The IAJR was approved in 2022.
04/18–01/20	**LADOTD, I-10 Interchange Modification Report (IMR) and Interstate Justification Report (IJR), Ascension Parish, LA.** *Project Manager, Traffic Engineering Task Lead.* Daniel managed the IMR/IJR study for three interchanges on an urban interstate, using the LADOTD Traffic Engineering Process and Report. He led development of the traffic analysis, including defining the methodology to develop design year volumes, development and high-level evaluation of interchange concepts, and coordinating with outside consultants that were developing a Feasibility Study for an intersecting route.
09/20–Present	**City of Baton Rouge, Feasibility Study and Report/TEPR, College Drive, Parish of East Baton Rouge, LA.** *Traffic Task Lead.* This roadway enhancement project will improve traffic operations and safety along a congested urban corridor. Daniel works with a group of subconsultants on the development and documentation of various traffic operations and safety analyses, and provides quality checks to work prior to submittal. This project requires adherence to LADOTD's Traffic Engineering Process and Report.

02/19–01/20	**LADOTD, Barksdale Interchange Design-Build, Bossier City, LA.** *Senior Transportation Engineer.* This design-build project was to construct a new controlled access roadway, connecting at the I-20, I-220 interchange in northwest Louisiana. Mr. Helms was responsible for: the development of the signing plans, including overhead and ground mounted signs, detour plans development of and providing quality control for the project's IMR and the Transportation Management Plan (TMP). The project required coordination with state, federal and military stakeholders.
04/18–01/20	**LADOTD, I-10 Interchange Modification Report (IMR) and Interstate Justification Report (IJR), Ascension Parish, LA.** *Project Manager and Traffic Engineering Task Lead.* Daniel managed this study for three interchanges on an urban interstate, using the LADOTD Traffic Engineering Process and Report. He led this effort to develop the traffic analysis, which included defining the methodology to develop design year volumes, a high-level evaluation of interchange concepts, and coordinating with outside consultants who were developing a Feasibility Study for an intersecting route.
02/20–Present	**MOVEBR Jones Creek Road Extension, Segments 1A and 1B, City-Parish of East Baton Rouge, LA.** *Traffic Task Lead.* This roadway project will extend a suburban arterial from its current terminus to Airline Highway. Daniel is responsible for the development of the traffic analysis, looking at different alternatives, including signalized intersections, roundabouts, and alternative intersections. This project follows LADOTD's Traffic Engineering Process and Report, coordinating analysis work with the City-Parish and LADOTD. He also leads the development of Appendix C – Existing Safety Analysis, which uses the Crash1 and Crash3 databases to conduct spot-specific and segment crash analysis, using the CATScan tool.
06/07–12/17	**Traffic Safety Engineering Manager, Mississippi Department of Transportation (MDOT).** *Program Manager.* As day-to-day manager of the traffic safety engineering program, Daniel performed site review, crash data analysis, benefit-to-cost analysis, countermeasure development and selection, design contract scope development and contract review, and design project management, including design and plan review. He managed several traffic signal projects, which included the crash data analysis, countermeasure selection, design, benefit-to-cost analysis, and traffic signal analysis, including signal timings, warrant analysis, and capacity analysis. These projects include: **Standalone Traffic Signal Analysis, Warrant Analysis, and Design for Signal Upgrades and New Signals in Rural and Urban Settings** • SR 18 at Midway Road • SR 18 at Palestine Street/Seven Springs Road • SR 53 at Canal Road/Mark West Road • SR 53 at County Farm Road/Shaw Road • SR 63 at SR 614/Wade Vancleave Road • US 72 at Alcorn County Roads 218/306 • SR 18 at Hinds Boulevard/ Raymond Lake Road • US 45 at Hamilton Road • US 45 at Ripley Road • US 45 at Pratts Road • US 45 at Southwest Avenue • US 84 at Auburn Road • US 61 at Delta View Road • US 61 at Oak Ridge Road • US 98 at Beaver Dam Road • US 98 at SR 198/Rocky Creek Road **District 1 Intersection Systemic Safety Project** • Using a homogenous analysis as a starting point, MDOT developed a list of 100+ intersections throughout the state system where a crash was reported. Doing further data mining, MDOT developed an analysis looking at specific risk factors at each intersection – Angle crashes, left turn crashes, and the overall severity of the crashes. Using this data, a scoring system was developed to break intersections into four classes – one of the classes indicated intersections that needed standalone projects. Each class had a different set of treatments including, but not limited to, retroreflective stop sticks, new signage and striping, upsized intersection warning signs, flashing beacons, etc. **SR 613 Curves Systemic Safety Project** • SR 613 is a Rural Major Collector in George and Jackson counties. This route has several tight, abrupt curves and has been the of fatal and serious injury crashes. Due to the large number of curves, realignment of the route, or even a handful of the worst curves, is not feasible with limited safety funds. This project reviewed 34 curves in a 29.5-mile distance. Using geometric data, MDOT divided the curves into four classes – one of the classes was no treatment, based on the curve's radius. Each class had a different set of treatments including, but not limited to, updated signage, new striping, upsized curve warning signs with an advisory speed plaque, flashing beacons, high friction surface treatment, etc.

Firm	Neel-Schaffer, Inc.		
Nick Ferlito, Jr., PE, PTOE *(MPR 8)* Senior Vice President		Years of Relevant Experience with this Employer	27
		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization	MS/1996/Civil Engineering • BS/1993/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0028001/LA/09.30.2023 • Professional Traffic Operations Engineer #930		
Year Registered	1998	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 8. Traffic Engineer.** *Nick is experienced in traffic engineering and manages a range of traffic- and safety-related projects. He has served as the project manager/traffic lead on DOTD IDIQ Contracts for Traffic Engineering (44-2630/44-4064), Traffic Signal Timing (44-1777/44-0691), Traffic Signal Design (700-99-0447/44-4712/44-8851), Traffic Signal Inventories (700-99-0332/44-4829), and Stage 0 Studies (44-1583/44-15258) since 2006. Additionally, he has served as project manager for DOTD Safety IDIQ Contracts (44-1583/44-4402/44-10504/44-23689). Nick has also managed local and regional traffic impact studies, intersection studies, corridor studies, transportation management plans, signal timing studies, warrants analysis, traffic signal inventories, signal design projects, and other traffic engineering-related projects for both public and private clients. He is experienced with numerous traffic engineering software packages, including HCS, SYNCHRO, Tru-Traffic, SIDRA, VISSIM, and Dynameq. Nick is a certified Professional Traffic Operations Engineer (PTOE) and has completed DOTD's Traffic Engineering Process and Report (TEPR) training.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
8/20–Present	**LADOTD, H.013897, I-10 & I-12 College Drive Flyover Ramp Design Build, Baton Rouge, LA.** *Traffic Task Manager.* Nick is managing the Interchange Modification Report, Transportation Management Plan (TMP), 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 modification plans at College Drive and the I-10 WB off ramp.
8/20–Present	**MOVEBR, 19-EN-HC-0033, College Drive Enhancement, Perkins Road to I-10, Baton Rouge, LA.** *Traffic Task Manager.* Nick is managing the traffic study component for the study of the College Drive corridor. The traffic study is being prepared in accordance with DOTD TEPR and includes performing all analysis in Vissim to evaluate various alternatives. In addition to corridor improvements, a tiered analysis will be performed to evaluate various interchange alternatives for I-10 at College Drive. Dynameq was also used to evaluate off system and connectivity alternatives within the study area. The project will include the design of new traffic signal including new signal timings along the College Drive corridor.
02/18–Present	**LADOTD, H.004774.5/H.007300.6, Kansas Lane-Garrett Road Connector and I-20 Improvements, Monroe, LA.** *Project Manager/ Traffic Lead.* Nick is responsible for the preparation of a Level 4 Transportation Management Plan, review of MOT plans, design of temporary and permanent traffic signals and design of the relocation of DOTD ITS fiber optic trunk line.
07/16–Present	**LADOTD, H.011235.5, I-49 South at Verot School Road, Lafayette, LA. T***raffic Lead.* Nick performed traffic QA/QC on the preparation of a Transportation Management Plan and design of temporary and permanent traffic signals.
03/19–11/19	**LADOTD District 08, 44-8851/H.011960.5 Signal Timing Study, Natchitoches, LA.** *Project Manager.* Nick was responsible for the data collection (TMCs, Observations, Inventory, Travel Runs, etc), signal warrant analyses, intersection operations analyses (Synchro), and developed new signal timing and TSIs.

03/19–11/19	**LADOTD, 44-8851/H.011186.5, US 61 Signal Timing Study, Baton Rouge, LA.** *Project Manager.* Nick was responsible for the data collection (TMCs, Observations, Inventory, Travel Runs, etc), signal warrant analyses, intersection operations analyses (Synchro), and developed new signal timing and TSIs.
04/19–11/19	**LADOTD, 44-8851/H.012467.5, LA 14 Signal Timing Study, Lake Charles, LA.** *Project Manager.* Nick was responsible for the data collection (TMCs, Observations, Inventory, Travel Runs, etc), signal warrant analyses, intersection operations analyses (Synchro), and developed new signal timing and TSIs.
01/17–05/20	**Baton Rouge Computerized Signalization, Phases IV and V, Baton Rouge, LA.** *Project Manager.* Nick was responsible for performing traffic signal design, which included vehicle detection systems, surveillance camera systems, fiber optic communications and construction services in support of the City of Baton Rouge computerized signalization. Phase IV included 21 intersections and Phase V included 23 intersections.
11/16–08/19	**LADOTD, 44-4402/H.012685.1, LA 385 Feasibility Study, Stage 0/Traffic & Safety Study, Lake Charles, LA.** *Project Manager.* Nick was responsible for the Stage 0 Report in support of safety and traffic operational improvements along with the LA 385 (Ryan Street) corridor between LA 3186 south of I-10 to Eddy Street north of I-10, including the LA 385 interchange with I-10.
03/13–02/17	**LADOTD, H.003763, Grand Prairie Highway Interchange and Frontage Road, Rayne, LA.** *Project Manager.* Nick was responsible for an interchange justification report (IJR) for a new interchange along I-10 at LA 98 in Rayne, LA. The IJR included data collection, traffic forecasting, HCS analysis for one build alternative and the no build. The IJR was completed in accordance with FHWA's eight policy points concerning a request for a break in control of access.
02/15–12/17	**LADOTD, 4400004064/H.011402.1, US 51 Business (I-12 to Coleman) Corridor Study, LA.** *Project Manager.* Nick was responsible for traffic signal and warrants analysis using Synchro as SIDRA software as well as developing corridor alternatives and report preparation.
06/15–07/16	**LADOTD, H.007855.5, LA 431 at LA 934 Intersection Improvements, Ascension Parish, LA.** *Project Manager.* Nick was responsible for the traffic signal timing study for five intersections along LA 431 and signal design plans for the intersection of LA 431 at LA 934 in association with the proposed intersection improvements, including updated signal timing.
04/18–06/19	**LADOTD, LA 1256 Adaptive Signal System, Cameron Parish, LA.** *Project Manager.* Nick was responsible for the traffic signal modification plans of five traffic signals along LA 1256 from Dave Dugas Road to I-10 in Sulphur, LA, to implement the SynchroGreen Adaptive traffic signal system.
06/15–09/16	**LADOTD, 44-4829/H.011648.1, LA 39/LA 46/LA 47 Corridor Signal Improvements, New Orleans, LA.** *Project Manager.* Nick was responsible for the data collection (signal inventory/travel time runs), signal warrant analyses, intersection operational analyses (synchro) to develop signal timing, and development of traffic signal design plans.
06/15–02/17	**LADOTD,** 44-4712/H.011733.5, US 80 Traffic Control Signal Upgrade, Shreveport, LA. *Project Manager.* Nick was responsible for the data collection (traffic counts and travel time runs), signal warrant analyses, intersection operational analyses (Synchro), and traffic signal design.
01/14–12/16	**LADOTD, 44-1862/H.010572.1, LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA.** *Traffic Engineer.* Nick was responsible for data collection, corridor traffic operational analysis (Synchro and SIDRA), calibrated Vissim modeling, Stage 0 Traffic Report. The study also included travel demand modeling of the proposed LA 74 and LA 429 interchanges on I-10 to determine their impacts on LA 30.
01/14–03/16	**LADOTD, 4400003362/H.011160.1, LA 73 Corridor Study, LA 74 to LA 621, Stage 0 Feasibility Study, LA.** *Traffic Engineer.* Nick was responsible for data collection, warrant analysis, corridor operational analyses (Synchro and SIDRA), Stage 0 traffic report preparation. The study also included travel demand modeling of the proposed LA 74 and LA 429 interchanges on I-10 to determine their impacts on LA 73.
11/13–09/15	**LADOTD, 44-0691/H.010700, US 425 Signal Timing Study, Vidalia, LA, and Ferriday, LA.** *Project Manager.* Nick was responsible for the data collection (signal inventory and travel time runs), signal warrant analyses, intersection operations analyses (Synchro), and signal timing implementation.

Firm	AECOM Technical Services, Inc.		
Kordel Braley, PE, PTOE *(MPR 8)* Senior Traffic Engineer		Years of Relevant Experience with this Employer	5
		Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization	MS/2007/Civil & Environmental Engineering • BS/2005/Civil & Environmental Engineering		
Active Registration Number / State / Expiration Date	PE.0047329/LA/03.31.2025 • PE.74019/AZ/09.30.2024 • PE.0059687/CO/10.31.2023 • PE.19035/ID/02.28.2025 • PE.021556/NV/12.31.2024 • PE.134770/TX/03.31.2025 • PE.7705675/UT/03.31.2025 • PTOE/#3173		
Year Registered	2022 (LA) • 2021 (AZ) • 2021 (CO) • 2019 (ID) • (2011) NV • 2019 (TX) • 2010 (UT)	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**MPR 8. Traffic Engineer.** *Kordel is a senior traffic engineer with extensive experience in transportation analysis. He specializes in the development and application of complex microsimulation models such as VISSIM to help planners, designers, and decision-makers create safe and efficient projects. In Texas, Kordel has led or assisted in the development of several Interchange Access Justification Reports (IAJRs). With the recent update of the FHWA Traffic Analysis Toolbox (TAT) Volume III, Kordel has worked proactively with TxDOT's DES Div to perform new types of analysis, including cluster analysis and statistical evaluation of alternatives to provide a more data-driven approach to traffic analysis.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/21–10/22	**TxDOT, I-10/I-410 (North) Interchange Evaluation, San Antonio, TX.** *Traffic Task Lead.* Kordel providing preliminary analysis of the I-10/I-410 interchange evaluation in northern San Antonio. AECOM is evaluating several options for this interchange and approach legs and developing a preferred alternative to advance to the schematic/ENV phase. Kordel led the traffic team in using innovative analysis procedures to evaluate existing and future no build conditions and assist in the development of alternatives. Kordel worked collaboratively and proactively with the other discipline leads to identify and document issues and develop and analyze potential options.
06/19–Present	**TxDOT, LP 1604, FM 1346 to FM 1303, San Antonio, TX.** *Lead Traffic Engineer.* Kordel provided traffic design, including capacity analysis of segments and intersections using HCS and Synchro. He collected and processed traffic from active and passive sources, developed traffic forecasts, and analyzed travel times, delay, and LOS. He also supported design of signing and pavement marking, performed traffic engineering at intersections, supported environmental analysis, and oversaw predictive safety analysis.
10/18–Present	**TxDOT, LP 1604 and I-10 Schematic and IAJR, San Antonio, TX.** *Lead Traffic Engineer.* Kordel is the traffic lead for the development and calibration of a VISSIM model for over 20 miles of freeway and frontage road corridor in northern San Antonio. The model was used to evaluated numerous scenarios and to prepare a draft IAJR for the I-10 interchange area. The IAJR also included a detailed crash analysis and predictive safety analysis using ISATe. The IAJR was approved by FHWA in 2022. Kordel is now leading efforts to analyze dozens of traffic control plans for construction of this project ensuring safety of all modes.
09/19–07/22	**TxDOT, I-35W at US 67 IAJR, Alvarado, TX.** *Lead Traffic Engineer.* Kordel developed an IAJR for this project that improves safety and operations to I-35W near US 67 in Alvarado. The IAJR analyzes the impacts to mainlanes, frontage roads, and frontage road cross streets both in terms of traffic operations but also safety. The IAJR was approved in 2022.
07/20–Present	**TxDOT, Oak Hill Parkway Design Build, Austin, TX.** *Lead Traffic Engineer.* Kordel provided traffic analysis and development of VISSIM models for maintenance of traffic phases and steps for this freeway construction project, which involves the reconstruction and widening of US 290 from the east end of Circle Drive to Loop 1 (MoPac) and SH 71 from US 290 to Silvermine Drive in Travis County.

06/18–Present	**Lehi City, On-Call Traffic Engineering Support, Lehi, UT.** *Project Manager, Traffic Engineer.* Kordel works with Lehi City on an on-call basis to provide traffic engineering support for its Engineering and Public Works departments. Work tasks include traffic signal warrants, pedestrian studies, safe routes to school studies, and speed studies. One larger task order included identifying and prioritizing several gaps in pedestrian facilities in the northeast portion of Lehi. With the opening of a new high school, the city desired to improve conditions for pedestrians. In addition to making several recommendations for controlled and uncontrolled pedestrian crossings, Kordel also helped identify gaps in sidewalk facilities and developed a simple and transparent prioritization process to assist the City in completing these missing portions.
04/15–06/18	**UDOT, Traffic Study Support, Statewide, UT.** *Project Manager, Traffic Engineer.* Kordel led efforts in assisting the Division of Traffic and Safety in performing traffic studies on an on-call basis. Comprehensive traffic studies were required to be delivered on short notice, usually within 1 week of request. Over a 3-year period, Kordel's team completed nearly 300 studies, including signal warrants, HAWK warrants, advanced warning system warrants, left-turn studies, pedestrian crosswalk studies, speed studies, passing zone studies, and advisory curve speed studies. These studies were preformed across all four regions in Utah. Individual tasks on these studies included data collection, analysis, report preparation, and coordination with the UDOT review team, who is responsible for approving the final studies. These studies also included a cursory safety review using data from UDOT's web-based crash portal (Numetric). Kordel also assisted the project team in evaluating and creating analysis methodologies, such as a warranting process for advance signal system installation, left-turn phasing, and pedestrian crossings. As a result, Kordel has collaborated with other consultants and UDOT staff to deliver quality traffic and safety engineering studies to the UDOT regions. (, Previous Firm)
04/20–10/21	**Wasatch Front Regional Council, Local Link Alternatives Analysis, Salt Lake City, Millcreek, and Holladay, UT.** *Deputy Project Manager, Lead Traffic Engineer.* Kordel provided traffic engineering services for this alternatives analysis of transit along 1300 East and Highland Drive in Salt Lake City, Millcreek, and Holladay. He participated in the development of travel times and preparation of ridership estimates for several options, including light rail transit, bus rapid transit, streetcar, and enhanced bus along two alignments. VISSIM models will also be used to evaluate alternatives.
04/21– 08/21	**Benefit-Cost Analysis for US 101/Hearn Avenue Interchange Project, Santa Rosa, CA.** *Lead Traffic & Safety Engineer.* Kordel assisted in the preparation of this report in support of the RAISE Funding Application. He analyzed both traffic and safety data to quantify the economic benefit of adding vehicle, bike, and pedestrian capacity to the Hearn Avenue Interchange. The addition of capacity to a US 101 exit ramp was also considered as queued vehicles currently extend onto SB US 101. The analysis included both predictive safety analysis as well as the evaluation of crash modification factors (CMFs) from the Highway Safety Manual (HSM). Kordel also evaluated the benefits due to delay savings and air quality improvement in the region due to the proposed changes.
07/19–01/21	**Wasatch Front Regional Council, Comprehensive Strategic Mobility Plan, South Salt Lake City, UT.** *Project Manager.* Kordel managed South Salt Lake City's first transportation master plan. Major tasks included public involvement efforts to develop an online survey; leading a goals and visioning workshop with the advisory committee; developing draft goals, objectives, and policies; coordinating planning efforts with adjacent cities, including Millcreek and Salt Lake City; and developing draft system maps for freight, transit, pedestrian/trails, and bicycle networks. He led the development of scenarios, preparation of a list of catalytic projects, and writing of the draft report. The final strategic plan outlines an integrated mobility system that is safe, accessible, and inclusive for all, and promotes a thriving economy, supports healthy communities, and enhances quality of life.

Staff Experience Additional Staff (Alphabetical)

Firm	Neel-Schaffer, Inc.		
Charles Adams, PE, PTOE Senior Project Engineer		Years of Relevant Experience with this Employer	17
		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.0027440/LA/09.30.2023 • PTOE #878/01.29.2024 • Work Zone Traffic Control Supervisor and Flagger		
Year Registered	1997	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Analysis.** *Charles is experienced in the area of traffic data collection, traffic signal timing, traffic signal design, traffic operations analysis, 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. Prior to joining Neel-Schaffer, Charles was employed by the LADOTD, where he served as the State Traffic Engineer. 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. He has completed DOTD's Traffic Engineering Process and Report (TEPR) training.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/22–Present	**Bossier Parish East-West Connector, Bossier, LA.** *Project Manager.* NSI is 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.
08/20–Present	**I-10 & I-12 College Drive Flyover Ramp, Baton Rouge, LA.** *Traffic 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.
02/18–Present	**Kansas Lane, Garrett Road Connector, Monroe, LA.** *Project Manager.* NSI is performing TMP for the 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.
12/17–01/20	**South City Parkway Extension, Lafayette, LA.** *Traffic Engineer.* This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. The roadway and drainage design are being completed in conformance with LADOTD guidelines. The project includes five multi-lane roundabouts. Charles is providing the Traffic control plans.
07/16–Present	**I-49 at Verot School Road, Lafayette, LA.** *Traffic Engineer.* NSI is preparing design plans and reviewing the TTC plans and the TMP. Charles is reviewing the TTC plans and developing the TMP for the project.
10/22–Present	**Lucien Field Phase 3, Shreveport, LA.** *Project Manager.* NSI is performing a Traffic Impact Assessment for a new phase of an existing subdivision. Charles is performing all analyses required for the assessment.
04/22–09/22	**Parkway High School, Bossier City, LA.** *Project Manager.* NSI performed a safety study and circulation study at the high school and the surrounding intersections. Charles performed the analyses and observations for this project.
01/22–06/22	**Swan Lake Road at Innovation Drive, Bossier City, LA.** *Project Manager.* NSI performed intersection analyses and signal design plans for the intersection. Charles performed intersection analyses and developed the signal plans.
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. Charles oversaw the analyses and prepared the report of findings.

10/21–05/22	**Hurricane Ida Emergency Lighting and Signage, New Orleans, LA.** *Traffic Engineer.* NSI performed day inspections of all signs and day and night inspections of all streetlights within Zone 3. Charles coordinated and oversaw all operations of the project as well as participated in inspections along the interstate system.
08/21–12/21	**LA 840-6 at Oliver Road, Monroe, LA.** *Project Manager.* NSI performed a traffic study for the intersection to determine whether left-turn lane phasing would be appropriate for the Oliver Road approaches. Charles oversaw the analyses for the project.
05/21–08/21	**Tulane Avenue Chick-fil-A, New Orleans, LA.** *Project Manager.* NSI performed a traffic assessment and circulation assessment for a new Chick-fil-A restaurant in the City of New Orleans. Charles performed analyses, observations, and oversaw the circulation assessment.
02/21–05/21	**LA Tech Student Housing Study, Ruston, LA.** *Project Manager.* NSI performed a traffic study for new student housing complex that would serve LA Tech University. Charles performed all intersection analyses for the project.
10/20–11/20	**Hard Rock Hotel, New Orleans, LA.** *Project Manager.* NSI prepared TTC plans for the demolition of the Hard Rock Hotel in downtown New Orleans. Charles prepared TTC and detour plans for the removal of the damaged hotel.
09/20–06/21	**Venture Global LNG Traffic Study, Plaquemines, LA.** *Traffic Engineer.* NSI performed numerous traffic assessments for a new LNG facility along LA 23 in south Plaquemines Parish. Charles performed intersection analyses, prepared TTC plans, and reviewed construction sequencing to reduce the impact on the traveling public.
9/20–Present	**West Esplanade Avenue at Carrollton Street, Metairie, LA**. *Project Manager.* NSI is preparing preliminary and final signal design plans for the intersection of West Esplanade Avenue and Carrollton Street. Charles is preparing the signal plans.
08/20–10/20	**St Vincent Avenue at 84th Street – Shreveport, LA.** *Project Manager.* NSI prepared preliminary and final traffic signal plans for the intersection. Charles prepared preliminary and final signal plans.
11/19–07/20	**Golden Pass LNG Safety Study, Port Arthur, TX.** *Project Manager.* NSI performed traffic safety assessments along FM 87 for the entrances to the LNG facility as well as developing signing plans and lighting plans for each entrance.
07/19–03/20	**Hollywood Road Extension, Houma, LA.** *Traffic Engineer.* NSI performed a traffic study for the extension of Hollywood Road over Black Bayou creating a new intersection with LA 182. Charles oversaw and assisted with analyses.
03/19–07/19	**Remco Drive Extension, Haughton, LA.** *Project Manager.* NSI performed a traffic study to determine feasibility for extending Remco Drive from US 80 to Bodcau Station Road. Charles performed observations and analyses.
01/19–03/20	**LA 3 at Walter O Bigby Carriageway, Bossier City, LA.** *Project Manager.* NSI performed signal and sign design. Charles prepared plans.
08/18–03/19	**LA 1026 (Juban Road) Widening, Livingston Parish, LA.** *Traffic Engineer.* Charles prepared TTC plans for this highway widening project with roundabouts.
06/18–08/18	**Linton Road Extension, Bossier Parish, LA.** *Project Manager.* NSI performed a traffic study to determine feasibility of extending Linton Road to Fairburn Road. Charles performed analyses.
03/18–05/18	**New Benton High School, Benton, LA.** *Project Manager.* NSI performed analyses to determine suitable location for the new Benton High School. Charles performed observations and analyses.
06/17–03/18	**Port Access Improvements, New Orleans, LA.** *Traffic Engineer.* NSI performed extensive analyses and developed alternative accesses from I-10 to the Port of New Orleans. Charles performed observations and analyses.
01/17–07/17	**TCP for Transmission Line Installations, Terrebonne & Assumption Parishes, LA.** *Traffic Engineer.* NSI prepared TTC plans for numerous installation sites throughout both parishes. Charles developed and prepared all TTC plans. Project Manager.

Firm	Neel-Schaffer, Inc.		
Santosh Andem, PE, PTOE Senior Traffic Engineer		Years of Relevant Experience with this Employer	12
		Years of Relevant Experience with Other Employer(s)	4
Degree(s) / Years / Specialization	MS/2006/Civil Engineering • B. Tech/2003/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0036465/LA/03.31.2024 • Professional Traffic Operations Engineer #3017		
Year Registered	2011	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Analysis, Traffic Modeling, Forecasting.** *Santosh serves as a traffic engineer/transportation planner for traffic impact studies, traffic simulation models, signal timing, local and regional travel demand models, corridor analysis, demographic forecasting, and other traffic engineering-related projects for both public and private developments. He has extensive experience in traffic engineering, which includes safety studies related to intersection/lane departure/pedestrian, signal warrant analysis, roadside hazard, fatal crash reviews, corridor analysis, qualitative assessment, signal timing, signal design traffic impact studies, and traffic control. He has experience in using Synchro/Sim Traffic, Highway Capacity Software (HCS), VISSIM, Tru-Traffic, AutoCAD, MicroStation, and SignCAD. Additionally, he has working knowledge of CORSIM and TransCAD. Santosh has completed DOTD's Traffic Engineering Process and Report (TEPR) training.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
01/14–Present	L**ADOTD, SPN H.004490, Roundabout Stage 0 Studies, Lafayette Consolidated Government, Lafayette. LA.** *Traffic Engineer.* This is a task order contract to conduct Stage 0 Feasibility Studies to evaluate constructability, safety, and operations of modern roundabout at 23 intersections. Santosh completed signal warrant analysis, crash analysis, spot speed data analysis, traffic analysis of existing and future volumes, forecasting future volumes using Lafayette Metropolitan Organization Travel Demand Model, and report preparation.
04/18–04/20	**LADOTD, SPN H.013023/H.013023, LA 328/Rees Street Corridor Study, LA.** *Traffic Engineer.* This is a feasibility Study of improving LA 328/Rees Street from Latiolais Drive to Bridge Street. Santosh completed data collection, intersection/corridor analysis for existing and future conditions, field review observations, intersection and corridor safety analysis for No Build and existing conditions, forecasting future volumes, and active participation in public meetings.
04/18–Present	**LA 1256 Corridor Study, Patton Street to Dave Dugas Road, Calcasieu Parish, LA.** *Traffic Engineer.* This project involves widening LA 1256 from Patton Street to Dave Dugas Road. Three roundabout intersection are analyzed. Santosh completed intersection and corridor safety analysis, data collection, roundabout analysis using SIDRA for existing and future volumes, and a technical memorandum documenting conclusions and recommendations.
01/22–10/22	**LA 92 Corridor Study, Youngsville, LA.** *Traffic Engineer.* This project is to develop and evaluate the improvements along the East Milton Avenue/Iberia Street Corridor to improve the existing corridor traffic operations. Santosh completed spot speed data analysis, traffic analysis of existing and rerouted volumes using SIDRA and HCS software, and developing a report detailing findings and recommendations.
01/22–10/22	**Johnston Street, University Avenue to US 90/SE Evangeline Thruway, Lafayette Consolidated Government, Lafayette, LA.** *Traffic Engineer.* This study is to evaluate the feasibility of complete streets along Johnston Street. Santosh worked on the traffic analysis of existing and rerouted volumes using Synchro, safety analysis, and report preparation detailing study findings and recommendations.
10/13–12/16	**LADOTD, SPN 44-1862/H.010572.1, LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA.** *Traffic Engineer.* Santosh assisted in the development of future traffic forecast for the study using the CRPC Travel Demand model (TransCAD) and considered future interchanges at I-10 and LA 74 and LA 429.

Firm	AECOM Technical Services, Inc.		
Oscar Avila Senior Transportation Designer		Years of Relevant Experience with this Employer	24
		Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization	N/A		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Roadway Designer.** *Oscar is experienced in design and plan preparation of roadway/highway, bridge, rail, drainage, and site development projects involving highway geometrics design (horizontal and vertical), detailing, hydraulics, earthwork, take-offs, cost estimates, bridge detailing, and slab design. He has extensive experience with AASHTO Green Book, DOTD Roadway Design Manual, and Mississippi DOT Roadway Design Manual. He has trained staff on corridor design software such as InRoads, GeoPack, and Civil 3D on both MicroStation and AutoCAD-based platforms. He has extensive experience as the lead CADD coordinator for large projects, for which he has established protocols to efficiently manage, transfer, and maintain CADD files and other documents.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
05/13–07/15	**LADOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** *Roadway Designer.* The project consists of providing engineering and related services required to prepare a Supplemental Environmental Assessment (SEA) in accordance with NEPA, as amended, and the FHWA's regulations and guidelines. Oscar was responsible for geometric design (horizontal and vertical) of at-grade and elevated structures, as well as organizing, preparing, and producing deliverable sets of plans and exhibits for the report and for public meetings.
09/17–10/18	**St. Bernard Port & Terminal Intersection Improvement, Chalmette, LA.** *Roadway Designer.* Oscar was responsible for developing a 3D model of the proposed roadway and will also prepare cross section, plan and profile, detour plans, and typical sections.
12/13–06/15	**LADOTD, SPN H.004367.5, Earhart Expressway Extension to US 61, Route 3139, Jefferson Parish, LA.** *Roadway Designer.* This project included the design of an elevated connection of Earhart Expressway to Airline Drive (US 61) in the vicinity of Lester Avenue, including relocation of the four existing lanes of Airline Drive, construction of additional lanes of Airline Drive, and partial enclosure of Canal No. 6. Oscar's responsibilities included using LADOTD CAD standards, policies, procedures, and guidelines by implementing the LADOTD's required certification softwares such as CadConform to maintain and update CAD detail libraries for several disciplines.
09/02–12/08	**LADOTD, SPN H.005171.1, I-49 South, 26 Stage 0 Interim Improvements for Safety and Efficiency, Raceland to Westbank Expressway, Lafourche, St. Charles, and Jefferson Parishes, LA.** *Roadway Designer.* This project included identifying improvements to the US 90 / I-49 corridor between Raceland and the Westbank Expressway that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Oscar designed and prepared plans showing several horizontal and vertical geometry alternatives.
05/10–07/15	**LADOTD, SPN H.005171.1, I-49 Study to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA.** *Roadway Designer.* The project goal was to identify improvements in the US 90/I-49 corridor in St. Mary Parish, between Ricohoc and Berwick. Those improvements may be implemented to improve safety and operations pending construction of I-49.
10/00–10/05	**LADOTD, SPN H.004273.5, I-49 South Lafayette Regional Airport to LA 88 EIS, Iberia, Lafayette, and St. Martin Parishes, LA.** *Roadway Designer.* Oscar was responsible for creating 3D models of several bridge alternatives, assisting on bridge quantity calculations, and creating project corridor rolls.

02/03–01/08	**LADOTD, SPN 700-92-0011, I-49 South, Raceland to Westbank Expressway EIS, Lafourche, St. Charles, and Jefferson Parishes, LA.** *Roadway Designer.* Oscar's responsibilities included geometric design (horizontal and vertical) for Line/Grade Study, analyzing and proposing several alignments, including the design of several complex multi-level interchange alternatives. He also prepared voice/visual-recorded presentation for public hearings. This is a line and grade engineering, public information process, and the development of two EISs, one for each of the two segments of independent utility within the overall project area. Oscar managed and coordinated CADD production and CADD standards among the prime and the subconsultants, including filing maintenance.
11/04–12/07	**LADOTD, SPN 700-92-0016, Florida Avenue Bridge over IHNC, New Orleans, LA.** *Roadway Designer.* Oscar's responsibilities included developing horizontal and vertical geometry of the new structure, approaches, and for several ramps that tie to an existing bridge, and detailing. He developed CADD Standards Procedure for the surveyor as well as for the prime and subconsultants, including coordination and supervision of CADD production, setting CADD standards in compliance with the client requirements.
12/15–08/16	**Mississippi Department of Transportation (MDOT), SR 172 at Little Yellow Creek and Ellington Branch (Bridge Nos. 0.9), Tishomingo County, MS.** *Roadway Designer.* AECOM prepared Phase A roadway plans for the bridge replacement at Little Yellow Creek (Bridge No. 0.9) and Ellington Branch (Bridge No. 2.3) on SR 172. The Phase A Roadway plans were developed based upon replacing bridges via road closures. Roadway plans conformed to Roadway Design Division's CADD specifications as described in Roadway Design Division's CADD User's Manual. Oscar was responsible for developing a 3D model from the DTM of the proposed roadway and bridges, and prepared cross section, plan and profile, detour plans, and typical sections.
12/15–08/16	**MDOT SR 182 Over Vernon Branch (Bridge No. 178.6), Lowndes County, MS.** *Roadway Designer.* AECOM prepared Phase A roadway plans for the bridge replacement at Vernon Branch (Bridge No. 178.6) on SR 182. The roadway plans were developed based upon replacing bridges via road closures. Oscar was responsible for developing a 3D model of the proposed roadway and bridge from the DTM, and also prepared cross section, plan and profile, detour plans, and typical sections.
05/09–09/09	**Siegen Lane Improvements (Highland Road to 650 Feet South of Perkins Road), City of Baton Rouge, LA.** *Roadway Designer.* The project goal was to produce a design report and a set of plans and specifications for the construction of a four-lane divided roadway to replace the existing two-lane road. Oscar's responsibilities included design horizontal and vertical geometry of the new roadway, develop CADD standards in compliance with the client requirements, as well as preparing CADD Standard Procedure for the surveyor, coordination, and supervision of project CADD production.
11/08–04/16	**I-595 Corridor Improvements, Broward County, FL.** *Roadway Designer.* This design-build project includes 56 bridges, from which a group of five bridges were assigned to the New Orleans office. Besides coordinating the CADD production, Oscar's responsibilities included setting geometrics and producing layout, plan/elevation, sections and detailing drawings of foundation, and substructure and superstructure. This work was produced under a very strict schedule.

Firm	AECOM Technical Services, Inc.		
Jess Billmeyer, PE, PTOE Transportation/Traffic Engineer		Years of Relevant Experience with this Employer	21
		Years of Relevant Experience with Other Employer(s)	30
Degree(s) / Years / Specialization	MS/1998/Civil Engineering • BS/1997/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.35784-6/WI/07.31.2024 • PE10810127/IN/07.31.2024 • PE.114129/TX/03.31.2024 • Professional Traffic Operations Engineer #1360		
Year Registered	2002 (WI) • 2008 (IN) • 2013 (TX)	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Engineer.** *Jess has extensive experience in design and operational analysis of freeways, interchanges, arterials, and intersections. His specialty is combining traffic operations analysis and geometric design sketch planning of freeways and interchanges. He has analyzed, modeled, or designed over 400 miles of freeway and 200 interchanges during his career. His specialized work has included evaluations of numerous types of interchanges, including system interchanges in dense urban environments, tight urban diamonds, single point urban diamonds, diverging diamonds, split diamonds, partial cloverleafs, half cloverleafs, full cloverleafs, trumpets, and "Y"s. Jess is an expert in the FHWA Interstate Access Justification Report (IAJR) process and approvals. He has authored or overseen over 10 IAJRs in his career as well as FHWA Safety, Operations & Engineering (SO&E) reports that serve as preliminary IAJRs.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
12/12–10/21	**Wisconsin Department of Transportation (WisDOT), I-39/I-90 Corridor Management Team, Various Locations, WI.** *Traffic Lead.* Jess led the corridor management team (CMT) overseeing the I-39/I-90 capacity expansion design from Illinois to Madison (more than 45 miles of interstate and 12 interchanges, including the I-39/I-43 interchange and the I-39/USH 12/USH 18 interchange). He was responsible for coordinating all traffic activities on the project, including microsimulation evaluations of major system interchange and overseeing traffic analysis in Paramics, Synchro, and HCS. Coordinated all 12 FHWA interstate access justification reports (IAJR), including IAJRs with FHWA Washington DC oversight. He was also responsible for setting geometric design criteria and operational review of three diverging diamond interchanges (DDI) in the corridor at WIS 26, WIS 11, and WIS 81. Involved with public outreach and education on the new DDI design. WIS 11 is the first DDI to open in Wisconsin.
01/14–02/17	**WisDOT, I-39/I-90/I-94 Environmental Impact Statement, Madison, WI.** *Project Manager.* Jess managed this EIS to evaluate possible capacity expansion of I-39/I-90/I-94 from Madison to Portage (approximately 35 miles and 15 interchanges). He was responsible for all aspects of the project, including sketch plan geometrics alternative development, traffic analysis (Paramics and Synchro), public involvement, environmental investigation, and document controls. The project evaluated various managed lane alternatives, including a truck lane, HOV/HOT lanes, and reversible lanes. The project also included evaluations and screening of 14 new interchange access points in the urban Madison area. Three new interchanges were advanced for further study based on their potential to get approved IAJRs.
01/19–01/21	**WisDOT, I-90 Needs Study, Madison to Tomah WI.** *Project Manager.* Jess managed this needs study from Madison to Tomah (approximately 100 miles and 25 interchanges). The project evaluated congestion, safety, pavement, and structure needs in the corridor. The project considered the effect of heavy freight and recreational traffic in the corridor. The study evaluated the traffic congestion impact from future pavement and bridge maintenance activities. The results of the study were used to advance the corridor into the environmental and alternatives evaluation process.

01/06–01/08	**WisDOT, Southwest Region, Madison Beltline Needs and Improvement Study, Madison, WI.** *Lead Traffic Engineer.* This corridor study involved 20 miles of urban freeway and 18 interchanges, including system interchanges, cloverleafs, partial cloverleafs, diamond interchanges, and scissors interchanges. Jess developed sketch plan geometrics for short- and long-term interchange improvements. He performed operational and safety analysis in Paramics for all freeway, ramp, and intersections along project corridor. He recommended freeway and interchange short-term improvements to improve operations in the 2020 and 2030 design years. He also prepared a Paramics microsimulation model for the entire corridor and evaluated ramp metering improvements along the corridor.
05/17–01/19	**TxDOT, I-45N, Beltway 8 to Loop 336, Planning and Environmental Linkages (PEL) Study, Houston, TX.** *Senior Technical Leader.* This 22-mile urban freeway project included two system interchanges at Beltway 8 and Grand Parkway (SH 99), as well as numerous service interchanges along a one-way frontage way system. The project included development of improvement alternatives, including managed lanes and interchange improvements. It also included stakeholder and public involvement.
01/18–01/19	**TxDOT, I-10, I-35 to LP 1604 West, PEL Study, San Antonio, TX.** *Senior Technical Leader.* This 16-mile urban freeway project includes three system interchanges at I-35 downtown, I-410, and LP 1604, as well as numerous service interchanges along a one-way frontage way system. The project included development of improvement alternatives to extend HOV lane from suburbs to downtown and interchange improvements. Jess developed short term bottleneck solutions for I-10 and I-410 interchange.
01/14–07/15	**Illinois Department of Transportation (ILDOT), I-90/I-94 at I-290 Jane Byrne (Circle) Interchange Rehabilitation, Phase 2 Design, Chicago, IL.** *Senior Technical Leader.* Jess led the development and evaluation of alternatives in a congested downtown interchange. The project included a Vissim traffic model of downtown Chicago system interchange and closely spaced adjacent service interchange providing access to the central business district. The location is one of the worst bottleneck locations in the U.S. and experiences over 8 hours of congestion per day. Jess developed sketch plan geometric alternatives to modify the interchange to improve traffic operations while maintaining access to key surface streets
01/99–01/01	**Georgia Department of Transportation (GDOT), I-75/85 & 17th Street Interchange, Atlanta, GA.** *Lead Geometric Designer.* This interchange modification project consisted of reconstructing I-75 and I-85 southbound ramps to include a new access ramp to the new 17th Street bridge in downtown Atlanta. The design accommodated access from the adjacent system interchange to the new 17th Street bridge in a dense urban environment. Jess coordinated design with development of the Atlantic Steel site. The design included accommodation of high-occupancy vehicle lanes.
01/08–01/09	**Ontario Ministry of Transportation, Highway 401 Widening, Highway 403/410 Interchange to the Credit River, Toronto, Ontario.** *Lead Traffic Engineer.* This project included capacity expansion on Highway 401 from Credit River to the Hurontario interchange. Jess evaluated improvement alternatives in VISSIM microsimulation software, including location and design of collector distributor roadway core/collector transfer roads, and effects on adjacent system interchanges (Highway 401 and Highway 410/403). Highway 401 is one of the busiest highways in North America. It has an extensive collector distributor (local and express lane) system to address merging and weaving issues.

Firm	AECOM Technical Services, Inc.		
Prachi Borkar Transportation Designer/Planner		Years of Relevant Experience with this Employer	<2
		Years of Relevant Experience with Other Employer(s)	<2
Degree(s) / Years / Specialization	MSc/2020/Civil Engineering • BE/2011/Civil Engineering		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Transportation Designer/Planner.** *Prachi is a transportation designer with a passion for creating safe and efficient transportation systems. She has worked on IAJR studies involved in conducting traffic engineering analyses and modeling, traffic impact analyses, safety analyses, travel demand model analyses, and multi-modal corridor planning studies. She also has 5 years of international experience in managing land development projects and delivering accurate and timely construction estimates. She has successfully coordinated teams of over 25 subcontractors and verified quality control and compliance with project specifications. Prachi is a team player who enjoys collaborating with clients and stakeholders to find innovative solutions for complex transportation challenges. Her software skills include VISSIM, Vistro, Synchro, ArcGIS, AutoCAD Civil3d, OpenRoads SignCAD, and MicroStation*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/21–Present	**SH 35/I-160 Interstate Access Justification Report (IAJR) Study, Houston, TX.** *Traffic Analysis.* Prachi is assisting in the traffic analysis for the corridor using VISSIM software. She is responsible for summarizing traffic count data and developing volume count balancing for the build and no-build analysis. She developed origin/destination spreadsheet analysis for volume development for the VISSIM model for the corridor.
06/22–12/22	**MoKan CAV Corridor Study, Austin, TX.** *Traffic Analysis.* Prachi performed a feasibility study for this smart mobility corridor. She was responsible for traffic data collection and documentation and performed traffic volume forecasting for the proposed corridor.
09/22–10/22	**TxDOT, US 90 Environmental & Schematic Project, Houston, TX.** *Traffic Analysis.* Prachi performed traffic volume forecasting for HGAC model data to develop 2045-No-build volumes for the corridor.
11/22–Present	**Gulf Freeway I-45S PEL Study, Houston, TX.** *Transportation Planner.* Prachi is responsible for reviewing existing plans and identifying facilities with bicycle and pedestrian improvements across the project corridor to provide an integrated network for bicycle and pedestrian travel. She developed a GIS database for the bicycle and pedestrian network map development. She also performed a travel demand model analysis for the cube network data across the corridor for various alternatives to study the throughput and travel times across the various segments of the corridor.
01/23–Present	**CMTA Orange Line Preliminary Engineering and NEPA, Austin, TX.** *Traffic Analysis.* Prachi is responsible for developing balanced corridor volumes for the project and origin/destination spreadsheet analysis for volume development for the VISSM model. She developed the VISSIM model network for the extended phase to analyze the existing and future conditions.
03/23–04/23	**Hempstead Feasibility Study, Houston, TX**. *Traffic Analysis.* Prachi is responsible for analyzing the CRIS data for 23 intersections across the corridor. She performed intersection safety analysis using the Intersection Safety spreadsheet tool for various intersections.

Firm	AECOM Technical Services, Inc.		
Daniel Boyd, PE Bridge Engineer		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	13
Degree(s) / Years / Specialization	BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.36728/LA/03.31.2024 • PE.133235/TX/12.31.2023		
Year Registered	2011 (LA) • 2019 (TX)	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Bridge Engineer.** *Daniel has more than 16 years of structural engineering experience in the transportation industry. He most recently was a part of two design-build projects, serving as a structural Independent Design Check Engineer for two prestressed bridge packages, and as structural task lead for the design of overhead traffic signs for LBJ East in Dallas, TX; and as bridge design engineer and Independent Design Check engineer for Oak Hill Parkway in Austin, TX. His technical experience also includes steel girder bridge design, precast/prestressed concrete girder design, structural steel design, structural concrete design, and deep and shallow foundations design. He has a thorough working knowledge of AASHTO and LADOTD Standards, as well as ACI, AISC, and ASCE. He has experience in both new construction and design projects, as well as retrofit and/or expansion projects requiring modifications to existing structures, bridges, and foundations to meet current engineering codes and industry best practices. Daniel also has field inspection experience before, during, and after construction.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
03/21–09/21	**LADOTD, SPN H.004273.5, I–49, Connector, Lafayette, LA.** *Structural Design Engineer.* Daniel performed a review of I-49 mainline viaduct layouts for the three different structural options being presented to LADOTD for selection. He performed reviews and updated structural quantities and costs to reflect current design layouts and current bid pricing to verify consistency across the three structural options.
03/21–09/21	**LADOTD, SPN H.004273.5, I–49, Connector, Lafayette, LA.** *Structural Design Engineer.* Performed a review of I–49 mainline viaduct layouts for the three different structural options being presented to LADOTD for selection. Performing reviews and updating structural quantities and costs to reflect current design layouts and current bid pricing to ensure consistency across the three structural options.
09/19–10/19	**TxDOT, Loop 1604 From SH16 to IF-35, San Antonio, TX.** *Structural Design Engineer.* Prepared preliminary bridge layouts for two bridge over-passes and two creek crossings in a dense urban area with limited right of way. Preliminary design and layout were completed using TxDOT prestressed concrete girder standards. Performed QA/QC review for multiple bridges and crossings to ensure adequate vertical clearances were met.
10/20–02/21	**TxDOT, IH 820 SE Connector Design-Build Project, Fort Worth, TX.** *Structural Design Engineer.* Performed preliminary structural design for multiple substructure and foundation arrangements, including inverted-tee bents, multi-column bents, hammer-head bents, and the foundations for each of these, as part of the preliminary design phase of a large design-build project. Also per-formed QA/QC on numerous bridge calculations, and detailed plan reviews on bridge plan drawings.

01/20–09/21	**TxDOT, LBJ East Design Build Project, Dallas, TX.** *Structural Design Engineer.* Completed detailed Independent Design Checks (IDC) for two pre-stressed bridge packages in the project. IDC analyses were performed for entirety of each bridge structure, from geometry, superstructure design, substructure design, and foundation design to verify the validity of each design. Structural Task Leader and engineer of record for the design of Overhead Sign Structures, consisting of 137 custom Overhead Sign Bridge (OSB) Structures and Cantilever Overhead Sign Structures (COSS), as well as ITS and Tolling equipment structures. The structure inventory included a combination of both ground mounted and bridge mounted applications. Design included analysis of the steel trusses for the OSB and COSS structures, analysis and design of custom aesthetic concrete support columns for the truss structures, and deep foundations for each structure. Provided construction support for sign structure task to answer RFIs, resolve issues, review shop drawings, etc.
04/20–11/20	**Port of Gulfport, Port of Gulfport Connector, Gulfport, MS.** Structures Discipline Leader. Daniel performed preliminary structural design for prestressed concrete girders and steel plate girder superstructures, preliminary substructure design, and geometric design for a new bridge structure on 30th Avenue spanning Highway 90, providing direct trucking access into the Port of Gulfport.
03/21–02/22	**TxDOT, Oak Hill Parkway, Austin, TX.** *Structural Design Engineer.* Daniel was a design engineer for one bridge team, providing analysis and design for multiple substructures and foundations, Independent Design Check (IDC) engineer for the design of three prestressed bridge packages, and all IDC engineer for all overhead sign structures for the project. IDC analyses were performed for entirety of each bridge structure, from geometry, superstructure design, substructure design, and foundation design to verify the validity of each design.
01/07–12/07	**City-Parish of East Baton Rouge, Highland Road (LA 42) Improvements (Perkins to Airline), Baton Rouge, LA.** *Civil/Structural Design Engineer.* This project included two new bridges on Highland Road at Ward's Creek crossing. He performed structural analysis on multiple aspects of project. Design included concrete bridge deck, guard rails, analysis and design of pre-stressed quad beam concrete girders, girder bearing design, and prestressed concrete piles and concrete bents. He also performed calculation reviews on multiple aspects of project.
06/09–01/12	**LADOTD, Statewide ITS Project, Multiple Locations, LA.** *Structural Design Engineer.* Daniel performed analysis and design of digital message signs (DMS) signs and closed-circuit television (CCTV) camera systems to install and/or replace multiple DMSs and CCTVs as part of a statewide ITS project. Responsibilities included analysis of the sign and/or camera systems and their supports for high wind loads to design steel support poles, foundations, and pilings for a wide variety of soil and subsurface conditions around the state.
10/06–08/11	**LADOTD, SPN H.008273, Red River Bridge on US 71, Alexandria, LA.** *Structural Design Engineer.* Daniel designed main river spans consisting of two three-span units (one each direction) with 300'-400'-300' spans, and multiple simple spans greater than 200' crossing river levees. He designed all aspects and components of the steel plate girder bridge units, including diaphragms, bolted splices, bearing, and stiffeners. He also performed analysis and design of prestressed concrete girders, concrete bridge deck and columns, pile bents and piles, and performed peer review on other components of the project. Daniel collaborated with the steel fabricator to review approve shop drawings for all steel bridge girders and components.
09/20–Ongoing	**City of Baton Rouge/Parish of East Baton Rouge, Feasibility Study and Report/TEPR, College Drive, Baton Rouge, LA**. *Structural Design Engineer.* Daniel was the bridge engineer for the design study, traffic study, and preliminary plans for the completion of roadway improvement on College Drive and its vicinity between Perkins Road and Bawell Street inclusive of the interchange with I–10. The design study will include development of numerous concepts to enhance operational capacity and efficiency along the corridor while including Complete Streets and green infrastructure improvements. Preliminary alternatives were developed and documented using LADOTD Stage 0 Project and Scope and Environmental Checklists to apply for state and federal funding grant applications to expand funding for the project beyond the allocation of the parish MOVEBR bond funds. The project included Stage 0 checklists.

Firm	AECOM Technical Services, Inc.		
Troy Brumfield, PG Environmental Compliance Program Manager		Years of Relevant Experience with this Employer	17
		Years of Relevant Experience with Other Employer(s)	16
Degree(s) / Years / Specialization	BSc/1990/Environmental Management Systems		
Active Registration Number / State / Expiration Date	PG.737/LA/04.27.2024 • RPG.1007/MS/12.31.2023 • PG.3720/TN/02.01.2025		
Year Registered	2021 (MS) • 2015 (LA) • 1995 (TN)	Discipline	Professional Geoscientist (LA) Professional Geologist (MS, TN)
Contract Role(s) / Brief Description of Responsibilities	**Environmental Specialist.** *Troy has managed numerous environmental projects and programs for various government and industrial clients. He has specific experience in air quality; stormwater management; Emergency Planning and Community Right-to-Know Act; Toxic Substances Control Act; Resource Conservation and Recovery Act; Comprehensive Environmental Response, Compensation, and Liability Act; National Environmental Policy Act; Oil Pollution Act; drinking water; and wastewater compliance and program implementation. He has conducted compliance assessments, environmental audits, geologic field investigations, contamination assessments, and plume delineations throughout the southeastern United States and Puerto Rico.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/11–02/18	**USACE Fort Worth District, Remedial Investigations and Feasibility Studies, Fort Polk, LA.** *Project Manager.* Troy led the Remedial Investigation (Phase I and Phase II) of the 3400 Block area. His responsibilities included managing prime and subcontracts, internal project controls, Quality Control, status reports on work being performed, invoicing and pay requests, and other coordination and personnel support for the project team. He also provided technical guidance and support in developing all work plans, sampling plans, waste management plans, QA/QC, and other plans required to complete the work. The results of the remedial investigation for all areas of the site were compiled into a comprehensive report in accordance with Louisiana RECAP guidelines. Troy also managed RI/FS work to determine the extent of subsurface impacts and select appropriate remedial actions for Solid Waste Management Unit (SWMU) 23A, SWMU 26, Cubic Site, and the North Fort Fire Department site.
01/13–Present	**Environmental Compliance Audits, Gulf Coast On-Shore Facilities, Confidential Client.** *Environmental Client Account Manager.* Troy is responsible for all environmental audits and related projects. He has coordinated, scheduled, and conducted Environmental Compliance Audits at multiple client-owned facilities throughout Louisiana, Mississippi, Florida, and Georgia and managed environmental audits conducted by staff members at specified client-owned facilities in other areas of the country. Each audit was conducted to evaluate the facility's fence-to-fence compliance with all federal, state, and local environmental regulatory requirements. The audits also included an evaluation of each facility's compliance with company-specific environmental directives, policies, and procedures. The findings were tabulated to produce a score sheet for each facility and a Remedial Work Plan was developed to provide guidance for achieving environmental compliance. Troy also implemented and oversaw the completion of multiple Phase I and Phase II ESAs at client-owned facilities located in Louisiana.
06/20–Present	**U.S. National Guard Facilities, PFAS Preliminary Assessments and Site Investigations, MS.** *Senior Lead.* Troy is overseeing Preliminary Assessments (PA) and Site Inspections (SI) for per- and polyfluoralkyl substances (PFAS) at U.S. Army National Guard (ARNG) facilities in the Gulf Coast Region. He has been involved with the development and review of several PFAS PAs for the ARNG and has also been involved with PFAS SI work, which includes work plan development, stakeholder presentations, field work execution and reporting.

01/15–Present	**Environmental Program Manager, Fort Polk, LA.** *Program Management, Environmental Compliance.* Troy provides guidance and direction for the installation with respect to all environmental programs and media. He prepares and delivers materials, presentations, and command briefings to educate stakeholders regarding existing and upcoming environmental requirements and permit requirements and manages and provides direction for an onsite environmental compliance staff responsible for helping the Army sustain its Environmental Mission. Troy interfaces with regulators and other stakeholders on behalf of clients. He evaluates projects and activities and develop recommendations for mitigating impacts to various environmental media. He provides oversight and guidance related to development and updating of management plans and procedures to verify continued compliance and sustainability of environmental programs at Fort Polk.
01/08–01/09	**U.S. Air Force, Barksdale Air Force Base Environmental Baseline Survey, Bossier City, LA.** *Project Manager.* Troy provided project management and technical oversight of an Environmental Baseline Survey for Enhanced Use Leasing opportunities at Barksdale Air Force Base. The project included an evaluation of the overall environmental condition and UXO clearance requirements for over 11,000 acres of Air Force property.
06/07–Present	**USACE Fort Worth District, Release Detection Monitoring Program Support, Fort Polk, LA.** *Environmental Compliance Specialist.* Troy provided environmental regulatory guidance and program support to ensure Fort Polk's continued compliance with the RCRA Subpart X Operating Permit, which regulates waste treatment operations at the EOD Range. Specific support included preparation and submittal of Subpart X permit renewal application, implementation and maintenance of the Operating Record, development, implementation, and oversight of the release detection monitoring program for Open Burn and Open Detonation operations, interfacing with regulators regarding permit requirements and program implementation, HSWA permit compliance, and the development of Standard Operating Procedures for multi-increment sampling and related activities. Oversight of EOD Range sampling activities and preparation of the associated monitoring reports.
02/07–Present	**USACE Fort Worth District, Annual Environmental Management Performance Review, Fort Polk, LA.** *Project Manager.* Troy provided environmental guidance and program support to Fort Polk's Environmental and Natural Resource Management Division programs to document compliance with Fort Polk's Environmental Management System requirements. Specific data elements and metrics are compiled from each program within Fort Polk's Environmental, Conservation, and Natural Resource branches. These data are compiled into a comprehensive Environmental Management Performance Review, which is published annually and presented to Fort Polk's Top Management.
10/19–Present	**USACE Fort Worth District, RCRA Subpart X Permit Application, Fort Polk, LA.** *Team Leader.* Troy prepared and submitted Fort Polk's RCRA Subpart X (miscellaneous unit) renewal permit application associated with Explosive and Ordinance Disposal (EOD) operations at the EOD Range. Development of the Subpart X permit application included collaboration with Fort Polk Staff and Regulatory Agencies to ensure all areas of interest were adequately covered and discussed in the renewal application. The final RCRA Subpart X permit application was submitted to the Regulatory Agencies in 2020 and was determined to be technically complete. Once the regulatory agencies' review is completed, a new 10-year renewal permit will be issued for Fort Polk's EOD Range based on the application and other submitted information.
10/08–10/11	**U.S. Army, Environmental Program Support, Fort Bragg, NC.** *Project Manager.* Troy provided environmental regulatory oversight, client support, and day-to-day management of an onsite team and activities at Fort Bragg. Specific compliance support of Fort Bragg's environmental programs included hazardous and non-hazardous waste management, recycling, spill response, asbestos, lead-based paint, ozone-depleting chemicals, air quality, environmental training, and pollution prevention.

Firm	AECOM Technical Services, Inc.		
Louis Costa NEPA Specialist		Years of Relevant Experience with this Employer	22
		Years of Relevant Experience with Other Employer(s)	31
Degree(s) / Years / Specialization	MCP/1970/City Planning and Urban Design • BA/1964/Political Science and History		
Active Registration Number / State / Expiration Date	FHWA-NHI-142005 NEPA and Transportation Decision-Making • Introduction to Federal Projects and Historic Preservation offered through the General Services Administration		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**NEPA Specialist.** *Louis is experienced in the environmental analysis of highway and transit facilities as well as the management of other land use, transportation, economic development, and historic preservation projects. For the last 29 years, beginning during his employment with the New Orleans Regional Transit Authority, his work has been primarily in the management, participation, and quality review of NEPA projects. He managed two EISs for the LADOTD that received Records of Decision (ROD), and participated in a third LADOTD EIS that received a ROD. He participated in the preparation of three other EISs that received RODs for transit projects, managed two LADOTD EAs that received a Finding of No Significant Impact (FONSI), and has participated in or completed quality reviews for numerous other highway and transit projects.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/15–Present	**LADOTD, SPN H.004273.5, I-49 Lafayette Connector Supplemental EIS, Lafayette, LA.** *Environmental Task Lead.* Louis is managing the preparation of the SEIS for the 5.5-mile segment of I-49 South through urban area of Lafayette, LA. This assignment includes management of the Section 106 process for the project-both the Standing Structures Inventory Update and the consultation process. To date, work has involved preparing the Inventory Update and coordinating with the CSS and design team members in a Concept Refinement Process to identify alternatives to be studied in the SEIS.
08/22–Present	**LADOTD, SPN H. 004891.5, Reserve to I-10 Connector, Ascension Parish, LA.** *Environmental Planner.* This project seeks to complete the EA and Interchange Justification Report for the planned connection between the Port of South Louisiana GlobalPlex facility, and other lands, directly to I-10 in Ascension Parish. Lou has supported the AECOM Task to determine funding sources and delivery methods.
05/13–07/15	**LADOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** *Project Manager.* Louis managed this EA to improve capacity of the LA 511 crossing of the Red River. Major concerns were community concern that the project is long overdue, commercial relocations, impacts to wetlands, and the inclusion of a shared use trail on the bridge to connect the existing trails on each side. A FONSI was issued by FHWA in 2015.
02/03–01/08	**LADOTD, SPN 700-92-0011, I-49 South, Raceland to Westbank Expressway EIS, Lafourche, St. Charles, and Jefferson Parishes, LA.** *Project Manager.* Louis managed this EIS for 38 miles of interstate highway in the US 90 corridor. He led a team providing line and grade, public outreach, traffic analysis, website development, cultural resource investigation, and preparation of supplemental environmental reports. Originally the project was intended to prepare two EISs for each of two sections of independent utility. Following the review of the DEIS for SIU 1 comments and in response to the 2005 hurricane season, a single EIS was undertaken. AECOM performed line and grade and public outreach services as well as program management. Louis was the lead author of the EIS document. A ROD was issued by FHWA in 2008. This project was one of the first LADOTD projects to include a Project Management Plan mandated for mega-projects by SAFETEA-LU.

10/00–10/05	**LADOTD, SPN 799-99-0230, I-49 South Lafayette Regional Airport to LA 88 EIS, Iberia, Lafayette, and St. Martin Parishes, LA.** *Deputy Project Manager.* Louis helped manage an EIS for 10.8 miles of new urban and suburban interstate highway in the US 90 alignment. Major issues included highly congested intersections at railroad grade crossings in industrial areas and community opposition. A ROD was issued by FHWA in 2005.
11/00–12/06	**LADOTD, SPN 700-99-0230, I-49 South, Wax Lake Outlet to Berwick EIS, St. Mary Parish, LA.** *Project Manager.* Louis managed an EIS for 9.3 miles of rural and suburban interstate highway in the US 90 alignment plus a 1-mile rural access road. Wetlands were largely avoided by the use of the existing alignment, but Louisiana Black Bear habitat and the proximity of a main line railroad paralleling US 90 were major concerns. The project included an extensive public participation program. Work involved standardizing travel lane widths, adding safety shoulders, and providing interchanges, frontage roads, and drainage improvements. A ROD was issued by FHWA in 2006.
01/12–03/14	**Maryland Transit Authority, Purple Line EIS, Suburban Washington, D.C.** *Environmental Specialist.* Louis was a member of the EIS team for the preparation of this document. Primary areas of his responsibility were the construction impacts, visual assessment, indirect and cumulative sections, and the responses to comments. A ROD was issued by FTA in 2014. *The project received the 2015 FTA Outstanding Achievement Award for Excellence in Environmental Document Preparation in the EIS category.*
07/08–08/12	**Metropolitan Atlanta Rapid Transit Authority, Atlanta BeltLine Tier 1 EIS, Atlanta, GA.** *Environmental Specialist.* Louis was a member of the EIS team for this major transit project to create a 23-mile light rail system and trails encircling the inner city of Atlanta in existing railroad corridors, including the creation of four major transfer facilities where the new rail line intersects with the existing MARTA heavy rail transit system. Louis prepared the transportation and land use sections and performed a quality control review of the other chapters. He also prepared the ROD that was issued by FTA in 2012.
03/95–10/97	**Regional Transit Authority, Canal Streetcar EIS, New Orleans, LA.** *Agency Project Manager.* Louis managed this project to reintroduce streetcar service on Canal Street. Work on the EIS began following a Major Investment Study. The scope included a new streetcar storage and maintenance facility, improvements to the existing streetcar manufacturing and maintenance facility, a transfer terminal at the outbound end of the line, and a connection to the Riverfront Line. Noise, utility conflicts, and historic preservation were major issues. A ROD was issued by FTA in 1997.
06/01–07/03	**LADOTD, SPN 700-26-0254, Harvey Boulevard, Wall Boulevard to Engineers Road EA, Jefferson and Plaquemines Parishes, LA.** *Project Manager.* Louis managed this EA to extend a suburban residential roadway on both an existing right-of-way and a new alignment to cross a canal to connect with Engineers Road (LA 3017). Major issues were noise, an adjacent seaplane facility, and community opposition based on expectation of truck traffic in a residential area. A FONSI was issued by FHWA in 2003.

Firm	Neel-Schaffer, Inc.		
Jonathan Duhe, PE, PTOE, RSP$_1$ Project Engineer		Years of Relevant Experience with this Employer	10
		Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization	BS/2011/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0041047/LA/03.31.2025 • PTOE #4418.03.18.2024 • RSP #282/07/17/2025		
Year Registered	2016	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Analysis.** *Jonathan 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, signal design projects, and other traffic engineering-related projects for both public and private projects. He is experienced in the collection of traffic data, including traffic counts and speed studies. Jonathan is experienced with numerous traffic engineering software packages, including HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. He has completed training and has experience using DOTD's CAT Scan safety tool.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
08/22–Present	**4400013850/H.013622.5, LRSP Ardenwood Drive Road Diet, Baton Rouge, LA.** *Project Engineer.* Jonathan was responsible for data collection (traffic counts and peak hour observations), traffic forecasting, safety analyses, corridor operational analyses (HCS, SIDRA), safety analyses, and traffic report preparation
07/21–Present	**Lafayette Consolidated Government, 4400013850/H.014579.5, FYA Signal Improvement, Lafayette, LA.** *Project Engineer.* Jonathan was responsible for the development of signal plans to upgrade 28 intersections to include flashing yellow arrow signal heads as well as backplates.
03/21–Present	**City of Baton Rouge, 20-TS-HC-0081-0086, MOVEBR Synchronization and Communication Signal Rebuilds, Group 3, Baton Rouge, LA.** *Project Engineer.* Jonathan was responsible for traffic signal design of six intersections within the city of Baton Rouge, including data collection (TMCs, peak period observations), traffic signal analysis (Synchro), signal timing determination using Synchro and Tru-Traffic software, and design plan preparation.
06/20–Present	**H.013897.1, I-10/12 College Drive Flyover Design-Build, Baton Rouge, LA.** *Traffic Engineer.* Jonathan is performing a traffic study at the I-10/12 merge in an effort to improve capacity and safety. He assisted with uncalibrated VISSIM model, safety analysis, and preparation of new signal timing plans for detour plans during construction.
09/21–Present	**20-CP-HC-0016, Harding Boulevard at I-110, Baton Rouge, LA.** *Traffic Engineer.* Jonathan is 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. He is responsible for data collection and the Initial Data Collection Report.
03/21–03/22	**City of Missouri City, 906-04, Highway 6 Signal Timing Update, Missouri City, TX:** *Project Engineer.* Jonathan was responsible for data collection (TMCs, observations, inventory, travel runs, speed studies), intersection operations analyses (Synchro), He developed new signal timing and TSIs.
09/20–Present	**20-CP-HC-0033, College Drive Enhancement Project, Baton Rouge, LA.** *Traffic Engineer.* Jonathan is 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. He is responsible for data collection, including peak period observations and travel time runs. He also performed safety analysis along the College Drive corridor.

12/19–03/22	**SPN 44-10504/H.014044.1, US 80 Intersection at Bellevue Road, Bossier Parish, LA.** *Project Engineer.* Jonathan was responsible for data collection (including traffic counts, peak period observations, queue counts, and speed studies), intersection operational analyses (HCS), safety analysis, alternative development, and traffic report preparation.
12/17–10/19	**City of Murfreesboro, CM-9311(22), Rutherford Boulevard Adaptive Signal Control Technology (ASCT), Murfreesboro, TN.** *Traffic Engineer.* Jonathan was responsible for the preparation of plans for the upgrade of 15 traffic signals. These upgrades consisted of upgrading all vehicle detection as well as replacing controllers and some cabinets to allow for a new adaptive system. The plans also included the addition of fiber communications including splicing plans.
11/16–04/19	**SPN 4400004402/H.012685.1, LA 385 (Ryan Street) Feasibility Study, Lake Charles, LA.** *Traffic Engineer.* Jonathan was responsible for data collection (including traffic counts, speed studies, driveway inventory, etc) and intersection analysis including Vistro analysis to develop build scenario timings as well as traffic signal warrant analysis. He also assisted with report preparation.
08/16–07/19	**SPN 44-4064/H.011930.1, US 425 / US 84 Corridor Study, Vidalia, LA , and Ferriday, LA.** *Project Engineer.* Jonathan was responsible for data collection (traffic counts and peak hour observations), traffic forecasting, safety analyses, corridor operational analyses (Synchro, SIDRA), warrant analyses, and traffic report preparation.
02/16–10/17	**SPN 4400004402/H.012307.1, LA 6 Feasibility Study, Natchitoches, LA.** *Traffic Engineer.* Jonathan was responsible for data collection (traffic counts, peak period observations, speed studies). He was responsible for intersection analysis using Sychro and SIDRA software as well as performing traffic signal warrant analyses. He also assisted with report preparation.
04/18–06/19	**LA 1256 Adaptive Signal System, Cameron Parish, LA.** *Traffic Engineer.* Jonathan completed traffic signal modification plans of five traffic signals along LA 1256 from Dave Dugas Road to I-10 in Sulphur to implement the SynchroGreen adaptive traffic signal system. He also incorporated traffic signal design of a temporary traffic signal, including traffic signal analysis and traffic signal warrant analysis.
03/19–11/19	**SPN 44-8851/H.011186.5, US 61 Signal Timing Study, Baton Rouge, LA.** *Project Engineer.* Jonathan was responsible for data collection (TMCs, observations, inventory, travel runs), signal warrant analyses, intersection operations analyses (Synchro). He developed new signal timing and TSIs.
06/15–09/16	**SPN 44-4829/H.011648.1, LA 39/LA 46/LA 47 Corridor Signal Improvements, New Orleans, LA.** *Traffic Engineer.* Jonathan assisted with data collection (signal inventory/travel time runs), signal warrant analyses, intersection operational analyses (Synchro) to develop signal timing, and traffic signal design plans.
06/15–02/17	**SPN44-4712/H.011733.5, US 80 Traffic Control Signal Upgrade, Shreveport, LA.** *Traffic Engineer.* Jonathan was responsible for data collection (traffic counts and travel time runs), signal warrant analyses, intersection operational analyses (Synchro), signal designs.
02/15–12/17	**SPN4400004064/H.011402.1, US 51 Business (I-12 to Coleman) Corridor Study, LA.** *Traffic Engineer.* Jonathan assisted with traffic signal analysis using Synchro as SIDRA software. He also assisted in traffic signal warrant analysis as well as report preparation.
03/19–11/19	**LADOTD District 08, SPN 44-8851/H.011960.5, Signal Timing Study, Natchitoches, LA.** *Project Engineer.* Jonathan was responsible for data collection (TMCs, observations, inventory, travel runs, etc), signal warrant analyses, intersection operations analyses (Synchro), He developed new signal timing and TSIs.
01/14–12/16	**LADOTD, SPN 44-1862/H.010572.1, LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA.** *Traffic Engineer.* Jonathan assisted with data collection, corridor traffic operational analysis (Synchro and SIDRA), calibrated Vissim modeling, Stage 0 Traffic Report. The study also included travel demand modeling of the proposed LA 74 and LA 429 interchanges on I-10 to determine their impacts on LA 30.
01/14–03/16	**LADOTD, SPN 4400003362/H.011160.1, LA 73 Corridor Study, LA 74 to LA 621, Stage 0 Feasibility Study, LA.** *Traffic Engineer.* Jonathan was responsible for assisting with data collection, warrant analysis, corridor operational analyses (Synchro and SIDRA), and Stage 0 traffic report preparation. The study also included travel demand modeling of the proposed LA 74 and LA 429 interchanges on I-10 to determine their impacts on LA 73.

Firm	AECOM Technical Services, Inc.		
Will Fullilove, EI Civil Engineering Intern		Years of Relevant Experience with this Employer	1
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2022/Civil Engineering		
Active Registration Number / State / Expiration Date	EI.0035203/LA/03.31.2025		
Year Registered	2022	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Roadway Design.** *William has experience in technical development for transportation engineering projects. Tasks and project experience include roadway design, construction submittal reviews, design plan development, construction cost estimating, document control, and plan checking. William will be supporting the project manager and other team members to provide road design services.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/22–Present	**MDOT, US 49, Orange Grove Boulevard to St. Charles Street, Harrison County, MS.** *Roadway Designer.* This project consists of converting two median turn locations into directional left turns with a mill and overlay on the remaining six lanes of traffic. In addition to the road work, roadway drainage will be altered to collect the runoff from the new drainage patterns. Will worked on design plan development and roadway design calculations for temporary traffic control.
09/14–Present	**Coastal Protection and Restoration Authority (CPRA) of Louisiana, Maurepas Swamp Diversion, St. John the Baptist Parish, LA.** *Roadway Designer.* Will provided planning, engineering, and design services for the reconstruction of US 61 and Airline Road. The roads will be created in conjunction with the diversion channel to reintroduce sediment and freshwater into Lake Maurepas from the Mississippi River. Will is assisting with plan development, cost estimation, roadway design calculations, and plan checking.
06/20–Present	**CPRA of Louisiana, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** *Roadway Designer.* Will provided planning engineering, and design services for the creation of the Mid-Barataria Sediment Diversion Channel to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. He worked on plan development, cost estimation, roadway design calculations, abutment design, and plan checking.
07/11–Present	**Feasibility Study and Report, TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** *Roadway Design, CADD Design.* This project aims to provide access management, signalization, and capacity improvements along College Drive. The project includes a flyover exit ramp from I-10 westbound Ramp to College Drive. He assisted with the collection of unit quantities and development of Microsoft PowerPoint slides.

Firm	Neel-Schaffer, Inc.		
Kirk Gallien, PE, PTOE Senior Project Manager		Years of Relevant Experience with this Employer	3.7
		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/09.30.2023 • PTOE #1288		
Year Registered	1989	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Engineer.** *Kirk was employed by the LADOTD for 29 years. From January 2018 through his retirement on February 14, 2020, he served as the Assistant District Administrator of Operations in the Monroe District and reported directly to the District Administrator. In this role, his responsibilities were planning, managing, directing, and evaluating the effectiveness of District operations.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
1994–2007	**DOTD District 05 – District Traffic Operations Engineer** • Performed numerous traffic studies and composed numerous traffic engineering reports, which included analysis of traffic operations, warrants analysis for the installation of new traffic signals, designing new traffic signal installations, designing timing plans for new traffic signals or modifications to existing traffic signals, designing new and modified signing, designing new and modified pavement markings, establishing new speed limits, and modifying existing speed limits. • Annually investigated and analyzed existing traffic control devices at locations identified as having a high potential for safety improvement. Recommended and implemented modifications to improve traffic operations and safety at these locations. • Coordinated and supervised the design of timing plans to upgrade all traffic signals in District 05 (approximately 275) from electromechanical to electronic controller operations. Coordinated and supervised upgrades to these traffic signals in accordance with new timing plans. • Reviewed access connection plans and site plans. Worked closely with private developers and public entities regarding access to proposed developments to ensure conformance with all 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. Responded to numerous interrogatories and requests for production, provided numerous depositions, and testified in court on a number of occasions. • **Computerized Traffic Signal System in District 05 (SPN 015-31-0043, SPN 016-01-0034).** Reviewed consultant plans regarding design of a new closed loop traffic signal system to ensure compliance with all DOTD standards and provided technical assistance to the consultant during design of the project. Provided technical assistance to construction personnel during the installation of new traffic signal and signal communication field equipment. After completion of the project, implemented and utilized the computerized traffic signal system to manage traffic operations on US 165. • **I-20 Elevated Section Rehabilitation Ouachita Parish (SPN 451-06-0121, SPN 451-06-0139).** 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.

2007–2014 2018–2020	**DOTD District 05 – Assistant District Administrator of Operations** • Supervised Traffic Engineering and Operations, district-wide roadway maintenance, bridge inspection and maintenance, and roadside development activities in District 05. • Administered all contract maintenance activities in District 05. • Reviewed traffic impact studies and reviewed and approved access connection, utility, and project permits in District 05. • Planned, managed, and directed all emergency response activities in District 05, which included emergency response, temporary and permanent repairs, and recovery related to hurricanes, flooding, tornados, and winter weather events.
2014–2018 2020–Present	**DOTD Headquarters – Assistant Secretary of Operations** • Completed traffic studies and prepared written Traffic Engineering reports. Specific duties performed for traffic engineering studies included compiling filed data, performing peak period observations, performing warrants analyses, performing capacity analyses, QA/QC of field data and analyses, forming conclusions and recommendations based on the results of analyses, and preparation of technical reports. These studies included developments such as a 600-student middle school, a 400-student charter school, commercial subdivisions, and a 650-unit student housing facility near Louisiana Tech University. Additionally, traffic studies and Traffic Engineering written reports included evaluations at numerous intersections to determine if a new traffic signal is warranted, if modifications to existing traffic signals or traffic control are warranted, if modifications to signing is warranted, and if modifications to pavement markings is warranted. • Compiled field data and assisted with analysis of data and preparation of a written report to create the District 05 Safety Investment Plan for DOTD District 05, 4400010504, Task Order No. H.014295.1. This included analysis of crash data, determination of crash patterns, determination of appropriate safety countermeasures, benefit/cost analyses, compilation of results, and compilation of recommended safety improvements for 32 state and local segments as well as 99 state and local intersections. • Prepared Level 4 Transportation Management Plan for the I-10 and I-12 College Drive Flyover Design Build project, H.013897.6. Preparation of the Transportation Management Plan included identifying the scope, goals, and constraints of the project, performing traffic and safety analyses, and assessing detour routes to effectively manage traffic during the project. Assisted with developing plans for stakeholder and public involvement during the project as well as the development of plans for maintenance of traffic, temporary traffic control, and work zone management strategies to be implemented during the project. • For the Garrett Road-Kansas Lane Connector project, H.007300, assisted in preparation of a Level 4 Transportation Management Plan. Assisted with the design of temporary traffic control, design of temporary traffic signal operations, and design of temporary and permanent traffic signal construction required for the project. Reviewed plans and performed QA/QC for temporary and permanent traffic signals and temporary and permanent traffic control throughout the entire project limits.

Firm	AECOM Technical Services, Inc.		
Jonathan Giardina, EI Roadway Design		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2019/Civil Engineering		
Active Registration Number / State / Expiration Date	EI.34290/LA/03.31.2024		
Year Registered	2019 (EI)	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	**Roadway Design.** *Jonathan has experience in technical development for transportation engineering projects. Tasks and project experience include roadway design, water line design, drafting and 3D modeling, construction submittal reviews, design plan development, construction cost estimating, document control, and plan checking.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
06/18–Present	**Coastal Protection and Restoration Authority (CPRA) of Louisiana, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** *Roadway Designer.* The project provides planning, engineering, and design services ($1.5 billion CMAR project) for the creation of the Mid-Barataria Sediment Diversion Channel to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Jonathan worked on plan development, cost estimation, traffic report, roadway design calculations, guardrail design, plan checking, temporary traffic control planning and design, typical sections, and geometric details.
11/19–Present	**City of New Orleans Department of Public Works, Broadmoor Neighborhood Reconstruction, New Orleans, LA.** *Roadway Designer.* The project includes a complete reconstruction of 22 neighborhood blocks within the Broadmoor neighborhood in New Orleans. Reconstruction includes the roadway, concrete sidewalks, concrete curbs and/or gutters, driveway aprons, water lines, and stormwater system and corresponding infrastructure. He assisted in preliminary design, roadway design, water line design, quantity and cost estimating, design plan development, and client meetings.
01/19–Present	**City of New Orleans Department of Public Works, Milan Group A, New Orleans, LA.** *Roadway Designer.* The project consisted of reconstruction/restoration of roadways in the Milan neighborhood, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue, and St. Charles Avenue. The project includes milling and overlaying with full depth patching of selected streets, incidental patching, sidewalk repairs, and repairs to drainage structures, and the installation of handicap ramps. Jonathan worked on the plan development, tabulation of quantities, and development of cost estimates.
03/21–Present	**East Baton Rouge Parish, MOVEBR Program, Airline Highway/Jones Creek Road TEPR Study, Baton Rouge, LA.** *Roadway Designer.* The project is providing traffic engineering for the proposed extension that will connect Tiger Bend Road and Airline Highway. Jonathan assisted with existing intersection analysis, queue, and unmet demand traffic counts along the corridor, and a traffic study report.
09/18–05/19	**Jefferson Parish Department of Public Works, Mounes St. Drainage Improvements, Jefferson Parish, LA.** *Roadway Designer.* The project consists of the design of traffic control plans and technical specifications for drainage improvements along Mounes Street. Jonathan worked on temporary traffic control design, quantity tabulation, and plan drafting.
06/20–Present	**East Baton Rouge Parish, MOVEBR Program, Jones Creek Road Highway Extension, Baton Rouge, LA.** *Roadway Designer.* The project is providing traffic engineering for the proposed Jones Creek Road Extension that will connect Tiger Bend Road and Airline Highway. Jonathan assisted in the design, layout, and quantity tabulation of bioswales to implement green infrastructure along the corridor.
11/22–Present	**MDOT, Directional Medians for US 49, Orange Grove Boulevard to St. Charles Street, Harrison County, MS.** *Roadway Designer.* The project consists of highway improvements and directional medians on US 49 from Orange Grove Boulevard to St. Charles Street. Jonathan performed J-turn analysis and design, roadway design, and plan development for conceptual plans.

Firm	**Marmillion/Gray Media, Inc.**		
Rannah Gray Public Involvement Lead		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	22
Degree(s) / Years / Specialization	MA/1979/Journalism • BA/1977/Journalism		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Role: Public and Stakeholder Involvement, Communications.** *One of the state's most experienced public engagement professionals for transportation projects, Rannah has developed and implemented successful strategies for public and stakeholder outreach in Louisiana, Texas, Mississippi, Alabama, and Florida. She serves as the communications lead and public engagement co-lead for MOVEBR, and the public outreach and marketing lead for Commuter Krewe, a project of the Capital Region Planning Commission (CRPC) and DOTD to reduce traffic congestion by promoting alternatives to single-occupied vehicle travel. Rannah has worked on environmental studies for the proposed Baton Rouge Loop project and the proposed Nicholson Corridor High-Capacity Transit System, which is now the Bust Rapid Transit project. She is a graduate of the 2013 Louisiana Leadership Class and her work has won over 20 national marketing and communications awards.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/19–Present	**MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA.** *Communications Lead, Public Involvement Co-Lead.* Rannah wrote the program's strategic communications plan, created the MOVEBR brand; and manages media outreach, public events, and in-person and online stakeholder outreach. The MOVEBR program is the largest transportation and infrastructure initiative in East Baton Rouge Parish history, providing an investment of over $1 billion in capacity projects, existing corridor enhancements, community improvements, and traffic signal synchronization.
09/19–Present	**Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA.** *Public Outreach Consultant.* Rannah wrote the plan's public and stakeholder involvement chapters, including strategies for gathering in-person and online public input. She led development of toolkit templates and resources to be used by smaller cities, towns, and parishes for transportation planning. The project will be piloted in three communities and the consulting team will use lessons learned to revise the final planning document.
12/18–12/21	**Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA.** *Public Outreach Lead.* Rannah was responsible for the planning and implementation of stakeholder and public meetings to gather input for proposed bus routes on Nicholson Drive and Plank Road. This project and its funding has been brought into the MOVEBR program for more efficient management where Rannah will continue to manage the project's public engagement strategies.
04/18–10/18	**ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA.** *Public Outreach Lead.* Rannah was responsible for the planning and implementation of stakeholder and public outreach activities, development of a database of advocacy organizations and people living with disabilities; management of accessible public meetings, surveys and stakeholder outreach; and creation of outreach materials. This project evaluated BREC facilities, gathered public and stakeholder input to determine priorities and developed a plan for bringing facilities into compliance with the Americans with Disabilities Act (ADA).

07/17–05/23	**Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for the Capital Region Planning Commission (CRPC), Baton Rouge, LA.** *Public Outreach & Marketing Lead.* Rannah was responsible for development of the Commuter Krewe brand, marketing plan, and promotional strategies to help reduce single-occupied vehicles. The Commuter Krewe program was developed to help reduce traffic congestion in the Capital Region.
03/09–03/16	**Implementation Plan and EIS for the Baton Rouge Loop project for the Capital Area Expressway Authority (CAEA), Baton Rouge, LA.** *Public Outreach Lead.* Rannah was responsible for building stakeholder databases, managing stakeholder workshops, public meetings, surveys, elected official briefings, and public hearings. The Baton Rouge Loop was a proposed bypass around Baton Rouge to help reduce traffic congestion in the Capital Region.
09/15–12/16	**Nicholson Corridor High-Capacity Transit System for East Baton Rouge Parish, Baton Rouge, LA.** *Public Outreach Lead.* Rannah's responsibilities included development of the TramLinkBR brand, and stakeholder and public outreach activities, including workshops, public open houses, and presentations to business, civic, and neighborhood organizations. TramLinkBR was a proposed modern streetcar system connecting LSU and Downtown Baton Rouge. It has been converted to a proposed bus rapid transit route by the current administration.
04/15–04/16	**Capital Region Metropolitan Transportation Plan Update for the CRPC, Baton Rouge, LA.** *Public Outreach Lead.* Rannah managed public and stakeholder outreach, including developing the MOVE2042 branding, managing stakeholder and public outreach, surveys, public meetings and elected official outreach. This project provided an update of the long range transportation plan for the five parishes in the Capital Region MPO.
08/10–01/12	**Capital Region Bicycle and Pedestrian Safety Campaign for the CRPC, Baton Rouge, LA.** *Project Manager.* Rannah was the prime consultant for creating a public education campaign in the five Capital Region parishes in the MPO. Her responsibilities included producing TV spots, collateral materials, and community outreach strategies. This project aimed to reduce bicycle crashes and pedestrian deaths and during the campaign, bicycle crashes decreased 24% in the Capital Region and 32% in East Baton Rouge Parish, while pedestrian deaths decreased 12% in the Capital Region and 31% in East Baton Rouge Parish.
01/10–09/11	**East Baton Rouge Parish Comprehensive Master Plan for Land Use, East Baton Rouge Parish, Baton Rouge, LA.** *Public Involvement Lead.* Rannah wrote the public outreach plan and managed public engagement, stakeholder workshops, and branding. This included developing the FUTUREBR logo, managing stakeholder workshops, public meetings, surveys, and a public outreach effort that signed up over 2,000 residents to be "citizen planners" to provide ongoing input. This plan replaced the parish's Horizon Plan for land use.

Firm	**AECOM Technical Services, Inc.**

Tom Herzog

Senior Air Quality and Noise Specialist

Years of Relevant Experience with this Employer	19
Years of Relevant Experience with Other Employer(s)	12

Degree(s) / Years / Specialization	MBA/1994/Finance • BA/1988/Physics		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Noise and Air Analysis.** *Tom specializes in determining transportation air quality, noise and vibration impacts, and designing cost-effective mitigation measures. He uses the latest prediction methodologies, including the FHWA's Traffic Noise Model (TNM) for highway and bus rapid transit noise, the FTA's Transit Noise and Vibration Modeling Assessment guidelines, as well as other acoustical algorithms and methodologies to predict and assess noise impacts from highway and transit sources (such as pure tone mitigation). He has also used the FHWA Roadway Construction Noise Model and the FTA construction guidelines to assess noise and vibration impacts from, and develop mitigation measure for, proposed construction activities. Tom provides air quality technical services, including emission inventories and dispersion modeling for mobile and stationary sources of pollution as part of NEPA documentation and permit approvals for transportation and infrastructure projects.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
03/16–Present	**LADOTD, SPN H.004273.5, I-49 Lafayette Connector Supplemental EIS, LA.** *Noise Analysis.* Tom is leading the effort to conduct roadway noise impact assessment and mitigation.
01/14–07/19	**LADOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** *Noise Analysis.* Tom conducted noise impact assessment and evaluated noise berms for this project to improve the capacity of the LA 511 crossing of the Red River.
07/15–09/15	**LADOTD, SPN H.004932, Supplemental EA, US 90 at LA 318, St. Mary Parish, LA.** *Noise Analysis.* Tom conducted a noise impact assessment and evaluated noise barriers.
11/05–04/12	**NYSDOT Tappan Zee Bridge Replacement Project, Alternative Analysis and EIS Phases, NY.** *Air Quality and Noise Analysis.* Tom conducted an air quality and noise assessment and evaluated noise barriers.
06/17–06/19	**PennDOT I-78 / SR-61 Interchange EA & Final Design, PA.** *Air Quality and Noise Analysis.* Tom conducted a noise impact assessment and designed noise barriers.
03/19–07/19	**NCDOT Independence Boulevard, NC.** *Noise Analysis.* Tom conducted a noise impact assessment and evaluated noise barriers.
11/14–05/19	**ConnDOT I-84 Hartford Project EIS, CT.** *Noise Analysis.* Tom conducted a noise impact assessment and evaluated noise barriers.
10/15–09/16	**NYSDOT Hutchinson River Parkway / I-95 Interchange, NY.** *Air Quality and Noise Analysis.* Tom conducted an air quality and noise assessment and evaluated barriers.
07/14–05/15	**MDDOT MD180 / SR 351 Ballenger Creek Extension, MD.** *Noise Analysis.* Tom conducted a noise impact assessment and evaluated noise barriers.
05/14–12/15	**Pennsylvania Turnpike MP 298 to MP 302 Widening, PA.** *Noise Analysis.* Tom conducted a noise impact assessment and evaluated noise barriers.
04/09–04/13	**MassDOT Fore River Bridge Replacement Project.** *Noise Analysis.* Tom conducted a noise impact assessment and evaluated noise barriers.

Firm	Neel-Schaffer, Inc.		
Ellen Burke Howard, PE, PTOE, RSP[1] Project Manager		Years of Relevant Experience with this Employer	10
		Years of Relevant Experience with Other Employer(s)	4.5
Degree(s) / Years / Specialization	BS/2009/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0038207/LA/03.31.2024 • PTOE #3735		
Year Registered	2013	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Engineer.** *Before joining Neel-Schaffer in 2014, Ellen 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 LADOTD, she 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.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/21–Present	**US 190 Access Management Stage 0 and Traffic Study.** *Traffic Engineer.* Ellen is responsible for initial and final data collection, existing safety analysis, and existing and no build traffic analysis, final traffic report
03/21–Present	**20-CP-HC-0014, MOVEBR North Sherwood Forest Extension.** *Traffic Engineer.* Ellen is responsible for initial and final data collection, existing safety analysis, existing and no build HCS analysis, alternatives HCS analysis, and final traffic report.
09/20–Present	**19-EN-HC-0033, MOVEBR College Drive Enhancements.** *Traffic Engineer.* Ellen is responsible for calibrated Vissim model, existing and no build traffic analysis and alternatives analysis.
09/21–07/22	**20-CP-HC-0016, MOVEBR Harding Boulevard at I-110.** *Traffic Engineer.* Ellen was responsible for initial and final data collection, existing safety analysis and existing and no build traffic analysis, Tier 1 alternative analysis, and final traffic report
08/20–10/21	**SPN H.013897.1, I-10 & I-12 College Drive Flyover Ramp Design-Build.** *Traffic Engineer.* Ellen was responsible for calibrated Vissim model and traffic analysis, and Interchange Modification Report (IMR).
12/19–03/20	**SPN 4400010504/H.014044.1, US 80, Intersection at Bellevue Road.** *Traffic Engineer.* Ellen was responsible for Initial and final data collection, existing safety analysis, and Chapter 1 of Final Report and signalized intersection analysis.
01/19–03/20	**District 07 Safety Investment Plan.** *Traffic Engineer.* Ellen was responsible for data collection.
10/18–04/19	**SPN H.007300, Kansas Lane, Garrett Road Connector and I-20 Improvements.** *Traffic Engineer.* Ellen was responsible for 90% Submittal Stage Draft Transportation Management Plan
10/17–01/18	**Move Ascension, Six Intersection Improvement Studies for Ascension Parish, LA.** *Traffic Engineer.* Ellen was responsible for data collection, intersection traffic operational analyses (Synchro, Vistro, and SIDRA), safety analyses, warrant analysis, signal analysis, benefit/cost analyses, and traffic report preparation

08/16–01/17	**S109476, LA 433 at Carroll Road, Stage 0 Study, St. Tammany Parish, LA.** *Traffic Engineer.* Ellen was responsible for intersection operational analyses (Synchro and SIDRA) and warrant analysis considering construction of a modern roundabout.
02/16–04/18	**4400004064/H.011618.1, LA 22, Rou Mar Nei Drive to 1st Street.** *Traffic Engineer.* Ellen assisted with corridor traffic operational analyses, including traffic signal analysis.
09/15–01/17	**SPN 4400004829/H.011646.5, US 90, US 61, LA 611-9 Corridor Improvements.** *Traffic Engineer.* Ellen was responsible for warrant analysis, safety analysis, signal inventory, travel time runs, initial and final data collection, and report preparation.
09/15–05/16	**SPN 4400004012/H.011695.1, LA 19 Widening, LA 64 to Sunset Boulevard Stage 0 Study.** *Traffic Engineer.* Ellen was responsible for data collection, warrant analysis, intersection operational analyses (Synchro), and traffic report preparation.
02/15–12/17	**4400004064/H.011402.1, US 51 Business Corridor Study, I-12 to Coleman.** *Traffic Engineer.* This project includes analysis of three roundabout geometry intersections. Ellen assisted with corridor operational analyses.
02/15–12/17	**4400004064/H.011401.1, US 51, West University to I-55 Corridor Study.** *Traffic Engineer.* This project includes analysis of eight roundabout geometry intersections. Ellen assisted with corridor operational analyses.
01/15–06/15	**4400004064/H.011645.1, LA 3002, 16 & 1034 Corridor Study Phase 2.** *Traffic Engineer.* Ellen was responsible for data collection and traffic signal analysis.
01/14–12/16	**SPN 44-1862/H.010572.1, LA 30 Stage 0 Traffic & Safety Study, Gonzales, LA.** *Traffic Engineer.* Ellen was responsible for data collection, corridor traffic operational analysis (Synchro and SIDRA), calibrated Vissim modeling, and the Stage 0 Traffic Report. The study also included travel demand modeling of the proposed LA 74 and LA 429 interchanges on I-10 to determine their impacts on LA 30.
01/14–03/16	**4400003362/H.011160.1, LA 73 Corridor Study, LA 74 to LA 621, Stage 0 Feasibility Study.** *Traffic Engineer.* Ellen was responsible for data collection, warrant analysis, corridor operational analyses (Synchro and SIDRA), and Stage 0 traffic report preparation. The study also included travel demand modeling of the proposed LA 74 and LA 429 interchanges on I-10 to determine their impacts on LA 73.
01/14–05/15	**SPN 4400001583/H.010570, LA 49, Stage 0 / Safety Study, Williams Boulevard, Kenner, LA.** *Traffic Engineer.* Ellen was responsible for data collection, intersection operational signal analyses (Synchro), and Vissim modeling.
01/14–06/14	**Stage 0 Study, Extension of Edenborne Parkway to South St. Landry Road, Ascension Parish, LA.** *Traffic Engineer.* Ellen was responsible for intersection operational analyses (SIDRA).

Firm	AECOM Technical Services, Inc.		
Tom Hunter Principal Planner		Years of Relevant Experience with this Employer	27
		Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization	BLA/1984/Landscape Architecture		
Active Registration Number / State / Expiration Date	Certified AECOM Project Manager • FHWA-NHI-142005 NEPA and Transportation Decision-Making • Improving the Quality of Environmental Documentation Course (NEPA) 2014		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Technical Advisor.** *Tom is experienced in managing and leading projects through the transportation planning, IJR/IMR, and NEPA process, having led or participated in 17 transportation NEPA projects (EAs and EISs) in Louisiana alone. He has significant experience in project coordination with LADOTD, FHWA, and CRPC, as well as local, state, and federal resource agencies. He is very knowledgeable of the project area, having led the environmental inventory, development of alternative corridors, and assessment of numerous environmental impacts for the Baton Rouge Loop Implementation Plan and Tier 1 EIS. His experience includes managing complex traffic analysis, including regional travel demand modeling and travel demand forecasting. Tom also has extensive experience in leading community and stakeholder involvement programs, developing and evaluating alternatives, and building consensus on projects. He has applied these skills on numerous corridor and NEPA studies as well as new or modified interstate access requests throughout the state and Gulf South region.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
03/04–07/05	**Capitol Region Planning Commission, Baton Rouge North Bypass Feasibility and Toll Road Study, Baton Rouge, LA.** *Deputy Project Manager, Principal Transportation and Environmental Planner.* Tom was responsible for development of a feasibility study for a 40-mile Northern Bypass of Baton Rouge. He led the alternatives development and evaluation, coordinated regional travel demand modeling services and traffic and revenue forecasts for the toll road alternatives, and was instrumental in implementation plan development. He also maintained a leadership role in the project's public involvement component.
05/07–12/15	**LADOTD, SPN H.005201 (H.008732), City of Baton Rouge, Baton Rouge Loop Implementation Plan and Tier 1 EIS Alternatives Evaluation and Travel Demand Modeling, Baton Rouge, LA.** *Principal Environmental Planner.* Tom's primary role was leading the environmental inventory, significant participation in alternatives development, providing environmental evaluations, evaluation of alternatives, and NEPA services, and coordinating travel demand modeling, a Level 1 Toll Study, and stakeholder and public engagement.
10/01–05/07	**LADOTD, SPN 700-26-0242, East-West Corridor Highway Component Environmental Impact Statement, St. Charles, Jefferson & Orleans Parishes, LA.** Deputy Project Manager. Tom assisted in managing this EIS to upgrade US 61 (Airline Drive) from I-310 to David Drive and the extension of the existing Earhart Expressway, including an elevated roadway section. He led the alternatives development and evaluation, and the public and stakeholder involvement program and dispute/mitigation resolution. A Record of Decision was issued for the project in 2007.
01/03–04/12	**LADOTD, SPN 736-99-1032, I-69, Section of Independent Utility No. 14 EIS, Junction I-20 near Haughton, LA, to US 82 near El Dorado, AR, Bossier, Claiborne and Webster Parishes, LA, Columbia and Union Counties, AR.** *Senior Transportation Planner.* Tom was responsible for assisting in the development of alternative corridors, and Environmental Impact Statement for a 75-mile segment of Interstate 69 Corridor's section of independent utility number 14 which spans between Haughton, LA and El Dorado, AR. During development of the final EIS he undertook the role of Deputy PM and moving the project toward issuance of the ROD.

07/15–Present	**LADOTD, SPN H.004273.5, I-49 Lafayette Connector Supplemental EIS, Lafayette, LA.** *Principal Planner.* Tom is assisting in the preparation of an SEIS for the 5.5-mile segment of I-49 South through an urban area of Lafayette. To date, work has involved preparing the Inventory Update and coordinating with the CSS and design team members in a Concept Refinement Process to identify alternatives to be studied in the SEIS. Tom's role has focused on review of alternatives, public engagement and facilitation of breakout groups for public and stakeholder engagement.
05/17–Present	**LADOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) Supplemental EA, Bossier and Caddo Parishes, LA.** Principal Planner for an Environmental Assessment (EA) to improve capacity of the LA 511 crossing of the Red River. Major concerns are community concern that the project is long overdue, commercial relocations, impacts to wetlands, and the inclusion of a shared use trail on the bridge to connect the existing trails on each side.
11/10–10/13	**LADOTD, SPN 700-51-0110, Interchange for US 90 / LA 318 Environmental Assessment, Route US 90, St. Mary Parish, LA.** *Principal Planner.* Tom assisted with this EA for the proposed construction of a grade-separated interchange at the intersection of US 90 and LA 318 to upgrade US 90 as part of the proposed future I-49 South corridor to improve connectivity, mobility, and safety. He was responsible for the daily coordination and preparation of the final EA and evaluation of the new alternative development from the public hearing. The final EA and FONSI were completed in 2013.
07/15–11/15	**LADOTD, SPN H.004932, Supplemental Environmental Assessment, US 90 at LA 318, St. Mary Parish, LA.** *Project Manager.* Tom completed the Supplemental EA as part of the design-build process, which included review and revision of the previous EA. He obtained a FONSI on a very aggressive schedule set by the DB contractor, FHWA, and DOTD (4 months).
05/09–11/11	**Arkansas Highway and Transportation Department, Don Tyson Parkway Interchange Justification Report and Environmental Assessment, Springdale, AR.** *Senior Project Manager.* Tom managed the development of reports based on AHTD's Procedures for New or Revised Freeway Access to assist in the justification and design of the proposed interchange. He was responsible for technical oversight of project deliverables, and stakeholder coordination and public involvement.
08/22–Present	**LADOTD, SPN H. 004891.5, Reserve to I-10 Connector, Ascension Parish, LA.** *Transportation Planner.* This project seeks to complete the EA and Interchange Justification Report for the planned connection between the Port of South Louisiana GlobalPlex facility, and other lands, directly to I-10 in Ascension Parish. Tom has supported the AECOM Task to determine funding sources and delivery methods.
10/06–12-07	**Stage 0 Feasibility Study and Report, I-210 Corridor Lake Charles, LA.** *Principal Transportation Planner.* Tom assisted with this 12-mile corridor study for I-210 in the City of Lake Charles. The study evaluated existing transportation deficiencies and provided recommendations for improvements at nine interchanges. Tom led the alternatives analysis process and the community and stakeholder involvement program. He was also key in developing a program of near-, mid-, and long-term projects and investments to address future transportation needs in the corridor.
10/20–Present	**MOVEBR, College Drive Enhancements, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** *Project Director.* This project involves a design study, traffic study, and preliminary plans for the completion of roadway improvement on College Drive and its vicinity between Perkins Road and Bawell Street inclusive of the interchange with I-10. The design study will include development of numerous concepts to enhance operational capacity and efficiency along the corridor while including complete streets and green infrastructure improvements. Preliminary alternatives were developed and documented using LADOTD Stage 0 Project and Scope and Environmental Checklists to apply for state and federal funding grant applications to expand funding for the project beyond the allocation of the parish MOVEBR bond funds. Tom completed the Stage 0 checklists and provided a QC review of the safety analysis, which used the Predictive Method from the *Highway Safety Manual*.
02/14–11/14	**Stage O Feasibility Study and Report, Weinberger Road, St. Bernard Parish, LA.** *RPC Project Manager.* Tom led the evaluation of alternatives to reroute heavy truck traffic from Aycock Street through the Arabi Historic District associated with Domino's Sugar Refinery onto the Port of St. Bernard primary access road, Weinberger Road. After the existing and forecast traffic analysis was complete, alternatives were developed to reroute truck traffic away from Aycock Street onto Weinberger Road and complete street concepts were applied to Aycock Street to reconnect and enhance the Arabi Historic Neighborhood.

Firm	AECOM Technical Services, Inc.		
Zoe Knesl Environmental Scientist		Years of Relevant Experience with this Employer	15
		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization	MS/2002/Marine Science • BA/1994/Integrative Biology/Ecology • BA/1994/Studio Art		
Active Registration Number / State / Expiration Date	ArcView 3.2 and GPS Mapping for GIS with Trimble Geo Explorer Certification • OSHA HAZWOPER 40-Hour Training, 8-Hour Refresher Training, and Annual Medical Exam • OSHA 30-hour Construction Supervisor Training • USACE Wetlands Delineation Training Certification #5535		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Environmental Scientist.** *Zoe has 30 years of experience conducting field surveys, Phase I and Phase II Environmental Site Assessments (ESAs), and reporting, NEPA documentation and impact assessment, GPS data collection, wetlands delineation, and various laboratory procedures. She has conducted data collection, entry, and analysis on various ecological and environmental projects, including soil and water data and reporting. Zoe has authored sections on NEPA impacts for aquatic ecology, terrestrial ecology, wetlands, water resources, land use, and aesthetics/visual resources. She has organized sample collection and report generation. Her laboratory skills include stable isotope analysis; preserving organisms in formalin; identifying benthic invertebrates, plants, and marine and freshwater algae; and various procedures employed during forensic DNA analysis. She also has experience identifying plants and soil types.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
11/20–04/21	**City of Baton Rouge, Baton Rouge LA.** *Environmental Scientist.* Zoe conducted a Phase I ESA of the right-of-way of the College Drive Corridor in Baton Rouge, East Baton Rouge Parish, Louisiana.
11/18–02/22	**Cotton Creek Capitol.** *Environmental Scientist.* Zoe conducted multiple Phase I ESAs on developed and undeveloped properties in Texas and Louisiana.
06/19–12/21	**City of Austin, TX.** *Environmental Scientist.* Zoe conducted multiple Phase I ESAs on a variety of properties in Austin, Texas.
10/08–03/19	**Siemens Water Technologies, Former Siemens Site, Long-Term Monitoring, New Orleans, LA.** *Environmental Task Manager.* Zoe conducted long-term monitoring of a facility, including field sampling, and generated quarterly and annual reports. She coordinated with the laboratory and facility and developed a proposal for additional investigation with a horizontal drill rig.
06/08–04/10	**U.S. Army Corps of Engineers (USACE), Phase I Environmental Site Assessments.** *Environmental Scientist.* • **USACE Phase 1 ESA for Pump Stations, New Orleans, LA.** Zoe conducted a Phase I ESA of 26 sites in Orleans Parish for potential storm-proofing activities in the pump stations and water plant. • **USACE Phase 1 ESA Stockpiles, New Orleans, LA.** Zoe conducted a Phase I ESA of four large sites in Orleans Parish for possible stockpiling locations. • **USACE Phase 1 ESA, New Orleans, LA.** Zoe conducted a Phase I ESA of five miles of levees in Orleans Parish. • **USACE, Phase II ESA, New Orleans, LA.** Zoe participated in the analysis and preparation of a Phase II report investigating potential soil impacts adjacent to two floodwalls in Orleans Parish.
04/10–07/10	**Veterans Administration and Federal Emergency Management Agency, Phase I ESA for New Hospital Site, New Orleans, LA.** *Environmental Scientist.* Zoe conducted a Phase I ESA of 39.8-acre site for an alternative location for the hospital. She participated in a scoping meeting and provided support for document preparation.

05/10–10/16	**U.S. Department of Veterans Affairs (VA), Dixie Brewery Phase II Investigation, New Orleans, LA.** *Environmental Scientist.* Zoe conducted several Phase II investigations with soil and water sampling. She assisted in taking over 100 soil samples and installing four temporary monitoring wells. She monitored asbestos and lead abatement activities and coordinated subcontractors for contaminated soil, underground storage tank, and hazardous waste removal. She coordinated with the VA, its contractors, and Louisiana Department of Environmental Quality regarding sampling, waste disposal, and RECAP requirements. She also performed data table organization, GPS coordinate logging, and regulatory research.
04/11–04/11	**USACE Phase I ESA, Pump Stations, Baton Rouge, LA.** *Environmental Scientist.* Zoe conducted a Phase I ESA of 11 sites in preparation for potential rebuilds and upgrades.
07/13–07/13	**Entergy Services, Inc., Phase II Limited Site Investigation and Phase I ESA, Various Locations.** *Environmental Scientist.* Zoe conducted and reported on a Phase I ESA of a boiler facility and a cooling facility for a power company.
06/14–05/19	**LANXESS Corp./Arlanxeo Groundwater Monitoring and Report Preparation, Orange, TX.** *Environmental Scientist.* Zoe conducted groundwater monitoring sampling and generated a draft annual report, including data evaluation and text.
09/15–09/15	**Entergy Corporation, Liquefied Natural Gas Power Plant Phase I ESA, El Dorado, AR.** *Environmental Scientist.* Zoe participated in the Phase I ESA of a LNG power plant, including site visit, draft report, and historical and governmental research.
02/16 and 08/19	**SCT&E LNG Inc., Cameron, LA.** *Environmental Scientist.* Zoe completed a Phase I site assessment of an undeveloped island.
07/16–07/16	**Harris Corporation, Lafayette, LA.** *Environmental Scientist.* Zoe performed a Phase I ESA for an office/warehouse property.
09/17–09/17	**Pilgrim Energy Partners.** *Environmental Scientist.* Zoe performed a Phase I site assessment of three industrial/commercial properties in Scott, LA.
09/17–09/17	**The Bureau of Alcohol, Tobacco, Firearms, and Explosives (ATF) and Federal Occupational Health (FOH).** *Environmental Scientist.* Zoe conducted a Phase I ESA and a limited Phase II site investigation for the future location of a dog kennel on Redstone Arsenal.
07/18–05/19	**Cotton Creek Capitol. Phase I ESAs.** *Environmental Scientist.* Zoe completed eight Phase I ESAs for properties in Louisiana and Texas.
09/18–09/18	**Port of New Orleans, LA.** *Environmental Scientist.* Zoe performed environmental site research and review for properties on the Industrial Canal.
10/18–05/22	**Dallas Water Utilities, City of Dallas, TX.** *Environmental Scientist.* Zoe completed multiple Phase I ESAs, File Review/Screening Reports, Phase II ESAs, and Waste Characterization Reports.
11/18–11/19	**CF Industries, Phase I ESA.** *Environmental Scientist.* Zoe completed an ASTM compliant Phase I ESA of a vacant property located on the Mississippi River in Louisiana.
01/19–08/19	**Diamond Beverage, Fairmont Hotel, Dallas, TX.** *Environmental Scientist.* Zoe completed a Phase III Report, Response Action Plan, and a Response Action Completion Report.
05/19–08/19	**City of San Antonio, TX.** *Environmental Scientist.* Zoe completed a Phase I ESA for a 12-block corridor on Broadway Street.
04/19–06/19	**City of Austin, TX.** *Environmental Scientist.* Zoe completed two Phase I ESA Reports for properties in Austin.
06/19–08/19	**Cargill, Phase I ESA.** *Environmental Scientist.* Zoe completed an ASTM compliant Phase I ESA of a vacant warehouse property located in Louisiana.
08/19– 08/19	**Teachers Insurance and Annuity Association, Condrey Farms Phase I ESA, LA.** *Environmental Scientist.* Zoe conducted and authored a Phase I ESA of a 1,300-acre farm parcel in northern Louisiana.

Firm	Neel-Schaffer, Inc.		
Charles LeBoeuf, PE Project Engineer		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization	MS/2014/Civil Engineering • BS/2012/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0042854/LA/03.31.2025		
Year Registered	2018	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Analysis.** *Charles has 8 years of experience in the engineering field, including 18 months as a co-op student with the LADOTD. He provides a wide variety of transportation-related services, including travel demand modeling, GIS, crash analysis, traffic analysis, and mesoscopic modeling. He also has experience in the collection of turning movement counts for development projects.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
02/22–Present	**Pinhook Road at Kaliste Saloom Road, Lafayette, LA.** *Traffic Engineer.* This project evaluated the conversion of the intersection of Pinhook Road at Kaliste Saloom Road from a full-access signalized intersection to a quadrant intersection. Charles analyzed the proposed intersection concept in Synchro and developed signal timings and lane geometry that would reduce intersection delay.
10/21–Present	**College Drive Enhancement Project, Baton Rouge, LA.** *Traffic Engineer.* Several off-corridor concepts were considered in the vicinity of College Drive between Perkins Road and I-10. Charles analyzed these off-corridor concepts using mesoscopic modeling to determine which concept, or group of concepts, would result in the most improvements within the study area. These improvements include a reduction in vehicle delays and shifts in traffic volumes.
02/21–Present	**I-10 and I-12 College Flyover Ramp Design-Build Project, Baton Rouge, LA.** *Traffic Engineer.* This project documented the expected work zone impacts to I-10, I-12, and nearby surface arterials due to the construction of the College Drive Flyover. Charles analyzed the expected work zone impacts using mesoscopic modeling (Dynameq) for the first phase of construction. The impacts included queueing, shifts in traffic volumes, and traffic speeds.
07/20–Present	**MRB South GBR, LA 1 to LA 30 Connector, Baton Rouge, LA.** *Traffic Engineer.* This project uses mesoscopic modeling to analyze a proposed new crossing over the Mississippi River from LA 1 to LA 30 between I-10 and LA 70. Charles used the existing traffic data to develop peak period volumes and travel times which were to be used in the model calibration and validation. Charles developed the Base mesoscopic model by first expanding a previous Dyanmeq mesoscopic model to include the West Bank of the Mississippi River from Baton Rouge to Donaldsonville, and then performing Dynamic Traffic Assignments using Origin-Destination (O-D) matrices. Afterwards, Charles used the existing traffic data to calibrate the Base model to better reflect existing traffic conditions. Once the Base model was finished, Charles then developed the No Build model, which included proposed highway improvements and an updated O-D matrix. This No Build model was then used as a background model to develop Bridge-specific models for each of the 20 proposed Bridge crossings.
12/18–02/19	**I-635 LBJ East Alternative Technical Concepts, Dallas, TX.** *Traffic Engineer.* Alternative technical concepts were proposed for three interchanges. Charles analyzed the freeway and frontage road elements, comparing the operational changes between the original build concept and the proposed alternative technical concept.

01/17–08/18	**I-10 Mobile River Bridge Interchange Modification Report, Mobile, AL.** *Traffic Engineer.* This project analyzed the impacts of the new I-10 bridge crossing the Mobile River to the south of the existing I-10 Wallace Tunnels in Mobile. Charles developed future peak hour volumes using the Travel Demand Model results for Mobile and Baldwin counties for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated the new I-10 Mobile River Bridge, a widened I-10 Bayway from Mobile to Daphne, AL, and interchange improvements along I-10 within the study area. Charles performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections.
01/17–02/18	**Western Beltway Phase II Feasibility Study, Hattiesburg, MS.** *Traffic Engineer.* This project determined the feasibility of extending MS 42 from I-59 to US 49 north of Hattiesburg. Charles developed existing peak hour volumes and volume characteristics such as peak-hour factors and heavy vehicle percentages. Charles developed future peak-hour volumes using the Hattiesburg, MS Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which involved no improvements to study area roadways, and for the Build scenario, which incorporated two roadway alignment alternatives. Charles performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended the intersection geometry for study area intersections. Charles analyzed crash data to determine crash trends and estimate the expected number of crashes for future scenarios. Charles also performed a benefit-cost analysis for each scenario using the expected number of crashes and expected changes in travel times.
10/16–01/17	**LA 1133 Realignment Study Carlyss, LA.** *Traffic Engineer.* This realignment study analyzed the operational impacts of closing South Boudoin Road between Sayles Street and East Dave Dugas Road in Carlyss as part of the expansion of the Westlake Chemicals Plant. Charles developed future peak hour volumes using the Lake Charles Metropolitan Planning Organization's Travel Demand Model results for the No Build scenario, which kept South Boudoin Road open. Volumes for the Build scenario were developed by rerouting traffic from Boudoin Road to other roads within the study area. Charles performed intersection traffic analyses using the existing and future peak hour traffic volumes and recommended improvements for signalized and unsignalized study area intersections with the closure of South Boudoin Road.

Firm	The Lakvold Group, LLC		
Angela Lemoine-Lakvold, MAI, SRA, R/W-AC Real Estate Appraiser		Years of Relevant Experience with this Employer	23
		Years of Relevant Experience with Other Employer(s)	14
Degree(s) / Years / Specialization	BS/1985/Business and Public Administration • MBA/1998/Masters of Business Administration • Numerous Specialized Appraisal Classes and Seminars		
Active Registration Number / State / Expiration Date	Louisiana State Certified General Appraiser #G0575/LA/12.31.2023 • MAI/1995 • SRA/1993 • R/W-AC/Appraisal Certification International Right-of-Way Association		
Year Registered	1992	Discipline	General Real Estate Appraiser
Contract Role(s) / Brief Description of Responsibilities	**Real Estate Cost Estimate and Relocation.** *Angie has worked as an appraiser for the LADOTD since 1986 and focuses on infrastructure and litigation appraisals. She will provide the conceptual stage relocation plan.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
11/20–03/22	**LADOTD, SPN H.004791, LA 23, Belle Chasse Bridge & Tunnel (HBI), Plaquemines Parish and Jefferson Parish, LA**. *Real Estate Professional.* Angela completed an appraisal for the acquisition of the right-of-way for project construction.
03/20–06/20	**LADOTD, SPN H.009932/H009932, US 80 Widening, Vancil Road to Well Road, Ouachita Parish, LA.** *Real Estate Professional.* Angela completed the Conceptual Relocation Plan to be included in the EA. The plan included viewing the project area, analyzing real estate impacts, determining potential relocations, and researching the market area and real estate inventory.
07/19–09/17	**LADOTD, SPN H.000284/H.00289/H000284 and H000286, US 90 Pearl River Bridges, Route US 90, St. Tammany Parish, LA, and Hancock County, MS.** *Real Estate Professional.* Angela completed the Conceptual Stage Relocation Plan to be included in the EA.
12/16–04/17	**LADOTD, SPN H.007970/12-CS-HC-0043, Old Hammond Highway (LA 426), Segment 1, East Baton Rouge Parish, LA.** *Real Estate Professional.* Angela completed the Conceptual Stage Relocation Plan to be included in the EA.
01/17–08/20	**LADOTD, SPN H.012308, Cook Road Improvements, LA 16 to Juban Crossing, Livingston Parish, LA.** *Real Estate Professional.* Angela completed a Conceptual Stage Relocation Plan to be included in the EA and completed the appraisals for the acquisition of the right-of-way for construction.
05/19–08/19	**LADOTD, SPN H.001271, Cane River Bridge Church Street, Route LA1-X, Natchitoches Parish, LA.** *Real Estate Professional.* Angela completed a Conceptual Stage Relocation Plan to be included in the EA.
01/18–08/19	**LADOTD, SPN H.011670, H011670, Interstate 10/Loyola Interchange Improvements, Jefferson Parish, LA.** *Real Estate Professional.* Angela completed the Conceptual Stage Relocation Plan to be included in the Environmental Assessment and completed the appraisal of the advanced acquisition of the Red Roof Inn Hotel.
03/19–06/20	**LADOTD, SPN H.007811/007811, Comite River Diversion Canal, East Baton Rouge Parish, LA.** *Real Estate Professional.* Angela completed appraisals for the acquisition of right-of-way for the construction of the Comite River Diversion Canal.
05/19–09/19	**LADOTD, SPN H.011670/3-22-0006-110-2018, Runway 13-31 Safety Area, R.P.Z. Runway Improvements, LA Highway 67/Plank Road, Phase I, East Baton Rouge Parish, LA.** *Real Estate Professional.* Angela completed an appraisal for the acquisition of the right-of-way to relocate Plank Road to accommodate expansion of the Baton Rouge Metropolitan Airport.
11/16–05/20	**LADOTD, SPN H.012290/H.012290/09CSUS0041, Pecue Lane/I-10 Interchange, East Baton Rouge Parish, LA.** *Real Estate Professional.* Angela completed the appraisals for the acquisition of the right-of-way for project construction. Appraisals were completed in phases.

Firm	AECOM Technical Services, Inc.		
Chris McKown, PE Structural Engineer		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	MBA/2019/Business Administration • BS/2012/Civil Engineering (Structures Minor)		
Active Registration Number / State / Expiration Date	PE.0041077/LA/03.31.2025 • PE.0058540/CO/10.31.2023 • ATSSA Traffic Control Supervisor–LA State Specific/2022		
Year Registered	2016 (LA) • 2021 (CO)	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Structural Engineer.** *Chris's role on the design team is informed by his experience with the structural design of bridges. He has worked designing bridges in both the public and private sectors and has experience with steel girder design, prestressed girder design, reinforced concrete design, accelerated bridge construction, phased construction, load rating, and providing construction support. Chris is well-versed in the AASHTO bridge design codes and LADOTD's Bridge Design and Engineering Manual and applicable design methodologies.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
02/20–03/21	**TxDOT, I-635 LBJ East, Dallas, TX.** *Design Engineer for Quality Control.* The project's scope is for the construction of an approximately 11.2-mile corridor of Highway I-635 LBJ East from US 75 to IH-30 in Dallas County to improve safety, mobility, and relieve congestion in the region. Chris provided independent design checks and plan verifications (QC) for one bridge and all the project's sign structures.
03/17–12/17	**LADOTD, H.012422, I-110 Interchange Modification at Terrace Avenue, Baton Rouge, LA.** *Design Engineer, Engineer of Record.* This project involved the superstructure design of a new off-ramp from I-110 South to Terrace Avenue in downtown Baton Rouge. The project's purpose was to provide a new exit ramp to improve connectivity in the area and reduce congestion at the I-10/I-110 merge. Chris was responsible for the design of the deck, steel girders, bearings for the new structure, and construction support.
03/20–Present	**LADOTD, I-49 Connector, Lafayette, LA.** *Design Engineer.* Chris was responsible for advancing preliminary conceptual design plans for the Mainline Viaduct. He performed review of the three Mainline Viaduct structure type options and the options presented for the Signature Bridge. He performed reviews of structural quantities and conceptual cost estimates. Recent submittals included two conceptual design submittal packages for highway grade separations across BNSF and LDRR tracks. The project includes a very elaborate Context Sensitive Solutions process that is occurring concurrently with the environmental process. The project includes a signature bridge, an urban master plan for local road and frontage road connections, implementation strategies, and potential modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with underpasses and possible modifications to an Amtrak station platform. Other rail modifications include replacing at grade crossing with highway overpasses.
07/16–01/20	**LADOTD, H.003184, I-10, Texas State Line East of Coone Gully, Calcasieu Parish, LA.** *Design Engineer, Engineer of Record.* This project will widen approximately 11 miles of I-10 from Vinton, LA, to the Texas state line. The project called for the complete replacement of nine different structures within the project limits. Chris served as Engineer of Record for various components across the eight-slab span bridges. The structures will be replaced using phased construction.
07/15–05/19	**LADOTD, H.010009, LA 507 over I-20 Bridge Rehabilitation, Lincoln Parish, LA.** *Design Engineer, Engineer of Record.* This project involved the complete replacement of the bridge superstructure of the LA 507 overpass near Simsboro, LA. The project called for accelerated bridge construction for the replacement of the bridge superstructure and various structural repairs. The bridge was built onsite and moved into place over the course or several weekends. Chris was responsible for the design of the deck, the steel girders, and the new bearings. Special consideration was given to minimize construction time and any road closures.

10/04–08/19	**LADOTD, H.002446, LA 40, Tchefuncte River Bridge, Near Folsom, LA.** *Engineer of Record, Bridge Design Task Lead.* This project involved the complete replacement of the LA 40 bridge over the Tchefuncte River near Folsom. The project called for the replacement of the existing structurally deficient bridge using phased construction. Chris was responsible for the complete design of the new 420-foot-long slab span structure, including all substructure components. An "as-designed" load rating of the new structure was also provided.
02/21–Present	**El Paso County, South Academy Boulevard over BNSF Rehabilitation, Colorado Springs, CO.** *Design Engineer, Engineer of Record.* This project involves the design of widening and rehabilitation of three separate structures on South Academy Boulevard in Colorado Springs for capacity improvements. The widened superstructures will be a mixture of prestressed I-girders, prestressed box girders, and steel plate girders. The project also includes plans for scour mitigation and structural rehabilitation to extend the service life of the existing structures. A key aspect of this project was coordinating with the BNSF railroad for all submittals in accordance with UPRR/BNSF Railroad Grade Separation Guidelines for the steel plate girder bridge.
03/16–08/16	**CDOT, IM 0252-495, I-25 Rehabilitation, MP 127–MP 135, Colorado Springs, CO.** *Design Engineer for Quality Control.* The project's scope was to rehabilitate approximately 8 miles of I-25 in Colorado Springs. The project included multiple bridge widenings. Chris provided a complete independent design check and plan verifications of the proposed widened structure over Dry Wash Creek. The existing structure consisted of a three-span steel-rolled beam superstructure supported by a multicolumn bent on spread footings. The new portion of the bridge was widened to match the existing structure.
09/17–Present	**Coastal Protection and Restoration Authority, BA-0153, Mid Barataria Sediment Diversion, Plaquemines Parish, LA.** *Design Engineer.* This project involves the relocation of LA 23 and the NOGC Railroad tracks across the proposed sediment diversion. Chris performed QC review of the LA 23 bridge plans and served as a staff engineer for the development of maintenance access bridge design. The rail improvements extend the track across the diversion channel intake structure, which will feature a bridge with a moveable span for channel maintenance and about 10,000 feet of new railroad track. The highway improvements will include a 2,300-foot-long structure composed of precast and cast in place concrete elements that will carry two lanes in each direction with shoulders and two sets of conduits for fiber optic cables below the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and relocated alignments of the rural divided highway to connect the existing highway to the new bridge structure.

Firm	Neel-Schaffer, Inc.		
Katie Odenthal, PE, PTOE Traffic/Transportation Engineer		Years of Relevant Experience with this Employer	10
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2012/Civil Engineering		
Active Registration Number / State / Expiration Date	PE 0040920/LA/03-31-2023; PTOE No. 4528 / 11-16-2024		
Year Registered	2016	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Analysis.** *Katie 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 clients. Katie is experienced with numerous traffic engineering software packages, including HCS, SYNCHRO, VISTRO, Tru-Traffic (TSPPDraft), and SIDRA. Katie is a certified Professional Traffic Operations Engineer (PTOE) and has completed.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
09/22–Present	**SPN 4400013850/H.013622.5, LRSP Ardenwood Drive Road Diet, East Baton Rouge Parish, LA.** *Traffic Engineer.* Katie performed peak period determination, organized data collection submittals. In the future, will perform 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.* Katie performed peak period determination, organized data collection, and reviewed safety analysis. In the future, she will perform existing and future intersection analyses, including signal warrants, if necessary, developing recommendations and preparing a report.
10/21–Present	**800003327, 800003805, MOVEBR Synchronization and Communication Signal Rebuilds, Group 3 and Group 4, Baton Rouge, LA.** *Traffic Engineer.* Katie assisted with preparing signal reports and creating signal plans.
10/21–05/22	**20-CP-HC-0014, MOVEBR Sherwood Forest Extension, Baton Rouge, LA.** *Traffic Engineer.* This project was concerned with extending Sherwood Forest Boulevard from Greenwell Springs Road to Joor Road. She assisted with alternative analyses for design years and report preparation.
10/21–07/22	**20-CP-HC-0016, Harding Boulevard at I-110, Baton Rouge, LA.** *Traffic Engineer.* Katie performed a traffic study along Harding Boulevard between Rosewood Street and Merle Gustafson Drive, including the I-110 ramps in an effort to improve capacity. She performed intersection analyses, Tier 1 analyses, and assisted with report preparation.
10/21–06/22	**700.21.015, US 190 Access Management Project, Mandeville, LA.** *Traffic Engineer.* Katie performed a traffic study along US 190 from East Causeway Approach to Clausel Street to improve capacity. She performed demand calculations, determined peak periods and peak hours, performed intersection analyses and Tier 1 analyses, and prepared data collection reports and existing analysis and no build analysis report submittals.
03/16–04/17	**4400004064/H.011618.1, LA 22 Corridor Study, Rou Mar Nei Drive to 1st Street, Tangipahoa Parish, LA.** *Engineer Intern.* Katie assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. She helped prepare the traffic report.
02/16–04/17	**4400004064/H.011454.1, LA 22, Dalwill Drive to Rodger Storme Road Corridor Study, Mandeville, LA**. *Engineer Intern.* Katie assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. She helped prepare the traffic report.

07/15–04/16	**SPN 44-4712/H.011733.5, US 80 Traffic Control Signal Upgrade, Shreveport, LA.** *Traffic Engineer.* Katie assisted with data collection (traffic counts and travel time runs), signal warrant analyses, intersection operational analyses (Synchro), and signal designs.
03/15–12/17	**4400004064/H.011401.1, US 51, I-55 to University Avenue Corridor Study, Hammond, LA.** *Engineer Intern.* Katie assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. She helped prepare the traffic report.
03/15–12/17	**4400004064/H.011402.1, US 51 Business, I-12 to Coleman Corridor Study.** *Engineer Intern.* Katie assisted with safety analysis and intersection operational analyses for existing and proposed alternatives. She helped prepare the traffic report.
01/14–12/16	**4400001862/H.010572.1, LA 30 Stage 0, Gonzales, LA.** *Engineer Intern.* Katie performed intersection analyses for existing and future alternatives using Synchro and SIDRA software. Checked signal timings.
01/14–03/16	**4400003362/H.011160.1, LA 73 Corridor Study, LA 74 to LA 621, Stage 0 Feasibility Study.** *Engineer Intern*. Katie performed intersection analyses for existing and future alternatives using Synchro and SIDRA software, and checked signal timings.
06/15–02/18	**4400004829/H.011642.5, LA 39/LA 46/LA 3021 Corridor Signal Improvements, New Orleans, LA.** *Traffic Engineer.* Kate performed travel runs, reviewed field notes, sight distance drawings, and clearance calculations. She performed crash analyses, created collision diagrams, prepared data collection submittals, performed clearance calculations, and created proposed timings.
06/15–02/18	**4400004829/H.011646.5, US 90/US 61/LA 611-9 Corridor Signal Improvements, New Orleans, LA.** *Traffic Engineer.* Katie performed travel runs, reviewed field notes, sight distance drawings, and clearance calculations. She performed crash analyses, created collision diagrams, prepared data collection submittals, performed clearance calculations, and created proposed timings.
08/14–08/17	**SPN H.004578, North Sherwood Forest Drive Improvements, Baton Rouge, LA.** *Engineer Intern*. Katie assisted with temporary and permanent signal design, including clearance calculations, signal timings, signal plans, and intersection quantities. She designed fiber interconnect plans and wiring diagrams, and analyzed proposed timings in Synchro and SIDRA.
08/14–08/15	**SPN H.000870, US 171 at You Winn Road Signal Design, Moss Bluff, LA.** *Engineer Intern*. Katie assisted with temporary and permanent signal design, including clearance calculations, signal timings, signal plans, and intersection quantities.
07/14–12/18	**SPN 700-17-0172, EBR #01-TS-US-0005, SPN H.004077, East Baton Rouge Computerized Traffic Signalization, Phases 4 & 5, Baton Rouge, LA.** *Engineer Intern*. For Phase 4, Katie maintained data concerning installed signalization equipment, created monthly pay estimates, and checked field installation versus the plans. For Phase 5, she developed the fiber optic installation drawings and reviewed signal plans and project quantities.
07/14–11/15	**SPN H.004780.5, Kansas Lane Extension Signal Design, Monroe, LA.** *Engineer Intern*. Katie assisted with temporary and permanent signal design, including clearance calculations, signal timings, signal plans, and intersection quantities.
07/14–09/15	**4400000691/H.009321.1, District 62 Signal Timing Study, Multiple Locations, LA.** *Engineer Intern*. Katie reviewed field data, performed signal warrant analyses and intersection operation analyses, and assisted in developing new signal timings and TSIs.
07/14–05/15	**4400002630/H.010031.5, District 62 Traffic Signal Inventory, LA.** *Engineer Intern*. Katie reviewed field data and assisted with creating traffic signal inventories in the LADOTD format, including checking field conditions and signal timings.

Firm	AECOM Technical Services, Inc.		
Ajaykumar Patil, EIT ITS/Traffic Engineer		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	<1
Degree(s) / Years / Specialization	MS/2016/Civil Engineering • BS/2012/Civil Engineering		
Active Registration Number / State / Expiration Date	EIT.58663/TX/05.31.2024		
Year Registered	2017	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**ITS/Traffic Engineer.** *Ajaykumar is experienced in research, design, and project management for transportation projects. His expertise and research areas include traffic operations, capacity and impact studies, traffic modeling and simulation, innovative traffic strategies, and connected/autonomous/electric vehicle studies. He has also completed FHWA traffic noise modeling (TNM) training.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
08/22–Present	**WisDOT, Travel Time Reliability for IH 39/90, WI.** *Traffic Analysis.* One of the objectives of this project is to calculate and calibrate existing condition travel time reliability of this ~12-mile IH 39/90 freeway using existing traffic data. As part of this project, Ajaykumar performed data analysis on different traffic database to develop travel time reliability parameters, calibrated the model to match with observed travel time metrics, and wrote a report analyzing existing condition results. The next phase of the project involves calculating travel time reliability for future scenarios.
04/21–08/21	**WisDOT Performance-Based Operation Certification, Intersection Screening Tool, WI.** *Traffic Analysis.* The objective of this project is to analyze 26,000+ WisDOT intersections and screen intersections that are operating at lower level of service. As part of this project, Ajaykumar performed data analysis on different traffic data databases to identify patterns for unknown traffic parameters required for operational analysis of intersections, developed methodology to analyze different control types (signal, TWSC, AWSC and roundabout) at a planning level, strategized assumptions in case of unavailability of data, developed an Excel-based worksheet to automate data processing, and calculated control delay and LOS for intersections.
02/20–06/22	**Austin Core Transportation Plan, City of Austin, TX.** *Traffic Analysis.* The objective of this project was to analyze City of Austin downtown intersections and identify safety and operational improvements after accounting for future population/traffic growth, existing corridor plans developed by the City of Austin, Capital Metro's Project Connect (proposed transit system connecting various parts of the city) and downtown IH 35 corridor plans. As part of this project, Ajaykumar performed data analysis to identify population and traffic growth factors, researched impacts of existing corridors plans on study intersections, developed synchro models, provide recommendations to improve safety and operations, including mitigating transit conflicts with other travel modes.
03/22–11/22	**City of Austin Smart Mobility Corridor Initiative, City of Austin, TX.** *Traffic Analysis.* This is a multi-phase project initiated by the City of Austin to identify corridors for implementing smart technologies and address issues related to safety, traffic, multi-modal, social equity, and incident management. Ajaykumar is supporting this project by researching potential smart technology applications, assessing traffic conditions, and also develop framework for the next phase that determines existing conditions of ITS infrastructure, identifies gaps, and potential locations that could benefit by smart technology applications, including connected vehicle technology.
12/19–01/21	**City of Austin Staff Augmentation, TX.** *Traffic Analysis.* Ajaykumar was part of City of Austin Transportation Department augmented staff that provided services such as reviewing TIAs, analyzing intersections, and identifying additional operational mitigation measures based on proposed development and proposing additional safety improvements.

01/21–03/21	**U.S. Army, Draft Utilities Infrastructure Master Plan, Fort Polk, LA.** *Traffic Analysis.* The objective of this project was to assess current transportation infrastructure capacity within Fort Polk and determine necessary improvements considering future growth. As part of this project, Ajaykumar performed traffic engineering analysis of key intersections and entry points, developed Synchro models for existing and future conditions, and proposed recommendations to improve critical transportation infrastructure for existing and future conditions.
11/17–03/18	**Iowa DOT, IH 35 Route Diversion Plan, IA.** *Traffic Analysis.* The objective of this project is to determine alternate routes in case of an event or construction activity on IH 35 from mid of Iowa to the borders of Minnesota in the north (~140 miles). As part of this project, Ajaykumar researched local roads, identified jurisdiction and responsible stakeholders per segment, determined roles and responsibilities of stakeholders, validated alternate routes, developed detailed traffic diversion routes, critical areas to monitor during active traffic diversion, appropriate DMS messages to display and developed alternate route packages for the segments.
07/20–07/22	**TxDOT, Wrong-Way Driver Detection System, TX.** *Traffic Analysis.* The objective of this project was to develop guidelines for a wrong-way driver detection system and identify countermeasures for highways. As part of this project, Ajaykumar performed literature review and researched current technology that exists, interviewed other state and regional agencies for feedback on existing systems, shortlisted and interviewed vendors that develop wrong-way driver detection systems, developed guidelines for wrong-way driver countermeasures that also includes guidelines for installing a wrong-way driver detection system along with other countermeasures.
06/20–09/20	**Orange Line VISSIM Modeling, City of Austin, TX.** *Traffic Analysis.* The objective of the project was to design a metro line for Capital Metro's Project Connect from North Austin to South Austin along a predetermined route. As part of this project, Ajaykumar developed VISSIM model of existing traffic conditions at southern most segment of Orange line which included 20+ intersections.

Firm	**Marmillion/Gray Media, Inc.**

Ashley Powell
Graphic Design

Years of Relevant Experience with this Employer	5
Years of Relevant Experience with Other Employer(s)	7

Degree(s) / Years / Specialization	BA/2011/Visual Arts, Concentration in Graphic Design/Minor in Printmaking		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Role: Graphic Design and Public Outreach.** *Ashley's experience includes working on social media communications, public outreach, and web design for projects including MOVEBR, the Commuter Krewe program, TramLinkBR and Bus Rapid Transit projects, the BREC ADA Transition Plan and the MOVE2046 Transportation Plan for the Capital Region. Ashley's responsibilities have included coordinating set-up and logistics for public meetings and workshops, audience building, and focus group recruitment through outreach. She provides graphic design for social media posts and assists with production of collateral materials used for the public meetings and outreach. Ashley served as a facilitator at land use planning workshops for the TramLinkBR project and provided general support for all aspects of the public outreach efforts. She also managed focus groups recruitment and facilitation and assisted with video production for the Capital Region Bicycle and Pedestrian Safety Campaign.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
12/18–03/21	**Baton Rouge Bus Rapid Transit Feasibility Study.** *Graphic Design, Public Meeting Support.* Ashley provided graphic design support and meeting logistics.
04/18–10/18	**BREC ADA Transition Plan.** *Public Outreach, Public Meeting Facilitation.* Ashley assisted with assuring venues were ADA compliant and staff were prepared to accommodate people of all abilities.
03/17–01/18	**IMCAL (Calcasieu Parish) I-210 Bridge Redecking Project.** *Public Outreach, Public Meeting Support.* Ashley assisted with attendee sign-in, audience building, preparation of meeting materials, and meeting facilitation.
07/17–5/23	**CRPC Baton Rouge Travel Demand Management Project.** *Graphic Design.* Ashley provided graphic design for ridesharing promotions, outreach activities, and webinars.
09/15–12/16	**EBR Nicholson Corridor High-Capacity Transit System.** *Public Outreach, Public Meeting Support.* Ashley assisted with meeting set-up and facilitation, outreach to stakeholders and the public.
04/15–04/16	**CRPC Metropolitan Transportation Plan.** *Public Outreach, Public Meeting Facilitation.* Ashley assisted with scouting meeting locations to assure accessibility, helped the project team with meeting set-up, attendee sign-in, and meeting facilitation.
08/10–01/12	**CRPC Bicycle and Pedestrian Safety Campaign.** *Focus Group Recruitment and Facilitation, Video Production.* Ashley was part of the production team that produced PSAs aimed at young drivers and assisted with recruiting and facilitating a focus group with high school students to determine best ways to reach them with safe driving messages.

Firm	Marmillion/Gray Media, Inc.		
Sarah Powell Graphic Design		Years of Relevant Experience with this Employer	15
		Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization	BFA/1985/Graphic Design		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Role: Graphic Design and Videography.** *Sarah provides expertise in graphic design, video production, and website development, including projects for the EBR Mayor's Office of Homeland Security and Emergency Preparedness; Capital Region Planning Commission (CRPC); Imperial Calcasieu Regional Planning and Development Commission (IMCAL); FUTUREBR project; Baton Rouge Loop; Louisiana Department of Culture, Recreation and Tourism; and the Americas' WETLAND Foundation. Sarah and Rannah Gray have worked together for more than 20 years, providing a seamless creative process for developing impactful and engaging communications. Her work has been a vital aspect of many successful advertising and public relations campaigns and has helped the firm win numerous national, regional, and local awards such as The Communicator Awards, Telly Awards, Pollie Awards, Lantern Awards, and Addy Awards.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/19–Present	**MOVEBR Transportation and Infrastructure Improvements Program for East Baton Rouge Parish, Baton Rouge, LA.** *Graphic Designer.* Sarah's responsibilities include graphics and branding; still photography, videography with drone and Go-Pro cameras, production of short informational videos for press announcements and social media, design of project signs, doorhangers to inform neighborhoods of project work, and presentation materials.
09/19–Present	**Local Public Agency Documented Planning Process for DOTD, Baton Rouge, LA.** *Graphic Designer.* Sarah provided graphic design for the development of a toolkit for use by communities for transportation planning. This project is providing a plan, toolkit, and resources to assist smaller communities conduct in-house planning.
12/18–03/21	**Baton Rouge Bus Rapid Transit Feasibility Study for East Baton Rouge Parish, Baton Rouge, LA.** *Graphic Designer.* Sarah designed meeting notices, posters, and collateral materials for stakeholder and public outreach and public open house meetings. This study was conducted to determine whether work conducted for a proposed modern streetcar system could be used to develop a bus rapid transit route instead.
04/18–10/18	**ADA Transition Plan for Baton Rouge Parks and Recreation Commission (BREC), Baton Rouge, LA.** *Graphic Designer.* Sarah designed meeting notices, social media posts, posters, and collateral materials for public and stakeholder outreach and public meetings. Her ability to design materials that complemented BREC's existing "Imagine Your Parks" campaign helped give the ADA Transition Plan identity and credibility. The plan provided an evaluation of BREC's facilities, gathered public input to determine priorities and developed a plan to BREC to achieve compliance with the Americans with Disabilities Act.

07/17–05/23	**Baton Rouge Travel Demand Management project (Commuter Krewe of Louisiana) for CRPC, Baton Rouge, LA.** *Graphic Designer.* Sarah's responsibilities included creating the branding for the program and designing promotional materials. She also provided videography and editing for informational videos used for onboarding employees at job centers, banner design, animation for social media posts, on-site sign design and collateral materials. The Commuter Krewe branding has been adopted by the New Orleans and Lafayette MPOs to promote ridesharing throughout the region. The program encourages ridesharing and other alternatives to single-occupied vehicles to help reduce traffic congestion in the Capital Region.
03/09–03/16	**Implementation Plan and EIS for the Baton Rouge Loop project for the Capital Area Expressway Authority (CAEA), Baton Rouge, LA.** *Graphic Designer.* Sarah's responsibilities included graphic design and logo design, production of informational videos for public meetings and presentations, and collateral materials. The Baton Rouge Loop was a proposed bypass around Baton Rouge to help reduce traffic congestion in the Capital Region.
09/15–12/16	**Nicholson Corridor High-Capacity Transit System for East Baton Rouge Parish, Baton Rouge, LA.** *Graphic Designer, Web Designer.* Sarah served as graphic and web designer. He responsibilities include designing the TramLinkBR project brand, website design and management, production of informational videos, and collateral materials. TramLinkBR was a proposed modern streetcar system connecting LSU and Downtown Baton Rouge. It has been converted to a proposed bus rapid transit route by the current administration.
04/15–04/16	**Capital Region Metropolitan Transportation Plan Update for the CRPC, Baton Rouge, LA.** *Graphic Designer.* Sarah created the MOVE2042 project logo and designed stakeholder and public meeting materials. This project provided an update of the long-range transportation plan for the five parishes in the Capital Region MPO.
08/10–01/12	**Capital Region Bicycle and Pedestrian Safety Campaign for the CRPC, Baton Rouge, LA.** *Graphic Designer, Video Producer.* Sarah designed print ads, posters, billboards, handouts, and videos as part of the public education campaign to encourage bicycle and pedestrian safety in the Capital Region. This project aimed to reduce bicycle crashes and pedestrian deaths and during the campaign, bicycle crashes decreased 24% in the Capital Region and 32% in East Baton Rouge Parish, while pedestrian deaths decreased 12% in the Capital Region and 31% in East Baton Rouge Parish.

Firm	AECOM Technical Services, Inc.		
Ramya Rayapureddy Traffic Designer		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	MSc/2020/Civil Engineering • BS/2015/Civil Engineering		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Traffic Design/MOT.** *Ramya is an entry-level traffic designer with experience in traffic operations and analysis. Her project experience includes safety studies, crash data analysis and crash mapping, signal design, traffic data collection, traffic impact studies, and writing and presenting.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
06/22–08/22	**Loop 1604 at IH-10 IAJR, Bexar County, TX.** *Safety Analysis.* Ramya was responsible for analyzing and documenting the existing safety conditions along Loop 1604 from Farm to Market (FM) 1303 to FM 1346 in Bexar County, southeast of San Antonio. She analyzed 5 years of crash data, crash descriptive statistics, and identified problematic locations with more number of crashes. She recommended countermeasures to address the safety issues at these problematic locations.
08/22–10/22	**Port Arthur Liquefaction Project (PALNG), Port Arthur, TX.** *Traffic Evaluation.* Ramya was responsible for evaluating the existing, No Build and Build conditions using Synchro 11 for the intersections along SH 87 from the project site to the traffic signal at SH 82. The intersection delay, LOS, and 95th percentile queue lengths were analyzed. She optimized the traffic signal timing at the signalized intersections to minimize the impact of project construction traffic on the study intersections.
01/21–Present	**MOVEBR, Jones Creek Road Extension, Segments 1A and 1B, City of Parish of East Baton Rouge, LA.** *Traffic Analysis.* Ramya was responsible for designing the traffic signal using AutoCAD 2020 for the intersection Jones Creek at Tiger Bend Road. She assisted in the development of traffic analysis, collected traffic counts, geometric layout measurements and peak period observations at signalized and unsignalized intersections. She was responsible for development of Appendix C – Existing Safety Analysis by reviewing more than 200 crash reports.
09/22–10/22	**Cameron LNG Traffic impact Study, Cameron Parish, LA.** *Intersection Analysis.* Ramya was responsible for analyzing 30 intersections, including the signalized and stop-controlled intersections for the existing, No Build, Build, and Build with Mitigation conditions using Synchro 11 software, using HCM 6th edition methodologies. She evaluated the potential traffic impacts associated with the construction of CLNG project.
02/22–02/22	**Slaughter Lane Signal Improvements, City of Austin, TX.** *Signal Design.* Ramya was responsible for reviewing the Slaughter Lane signal improvement traffic standard plan sets, update of the quantities and redlines in the signal design using MicroStation.
02/22–03/22	**TxDOT, US 59 Laredo, TX.** *ITS Plan.* Ramya was responsible for reviewing the ITS plan sets, summary of quantities, and updating the redlines in the 95% submittal plan sheets. She assisted in printing the PSETS using Axiom tool.
11/20–03/21	**City of Austin Crash Mapping, Austin, TX.** *Traffic Analysis.* Ramya is responsible for crash investigation and crash mapping of 10 intersections based on the impact type by reviewing the crash reports

11/20–06/21	**City of Dallas McKinney Avenue/Cole Avenue Two-way Conversion, Dallas, TX.** *Traffic Analysis.* Ramya is responsible for review of the traffic impact studies along the corridor and developed traffic volumes from the base conditions. She collected aged data and developed growth rates at each induvial stations and coordinated with the team in developing an aggregate growth rate.
05/21–06/21	**US 101/Hearn Avenue Interchange, Santa Rosa, CA.** *Traffic Analysis.* Ramya assisted in the review of the crash data and developed crash summary statistics of crash severity and type of collision
12/20–01/021	**City of Ketchum Fire Station Traffic Engineering Assistance, Modification 3, ID.** *Traffic Analysis.* Ramya conducted research and extracted detailed information pertaining to the Emergency Vehicle warning systems, installation equipment and activation options. She coordinated with each of the vendors and requested general information of their systems.
01/19–04/19	**Atlanta Highway and Interchanges on I-85 at Exit 4 and Exit 6, GA.** *Traffic Analysis.* Ramya conducted a computer simulation of traffic operations using Highway Capacity Software (HCS), CORSIM, VISSIM, and Synchro along the arterial to identify and resolve existing problems in traffic flow. She analyzed future conditions for 20 years by assuming traffic volume and built alternatives for future conditions. She developed VISSIM model to analyze existing and future conditions.
01/18–04/19	**Spatial Analysis of Locational Demographics with Intersection Crashes in Alabama.** *Traffic Analysis.* Ramya performed spatial and statistical analysis of over 100,000 intersection-related crashes from Alabama using ArcMap10.6 and Excel to identify high crash locations and crash severity. She identified locational demographic factors and suggested measures to reduce crash rates based on regional and driver factors.
09/18–11/18	**College Street and Thach Avenue Intersection, Auburn AL.** *Traffic Analysis.* Ramya conducted capacity and level of service (LOS) analysis of a signalized intersection in Auburn during the evening peak period using HCS 7. She suggested improvements in signal phasing that resulted a decrease in an overall delay of 15.5 seconds with a LOS of B for the intersection.
09/18–11/18	**Highway 84 E Corridor Redevelopment Project Dothan, AL.** *Traffic Analysis.* Ramya analyzed pedestrian and bicycle LOS for the existing conditions of the 4-mile corridor in Dothan. She proposed a transportation plan to improve biking, pedestrian safety, connectivity and suggested complete street transformation for Columbia highway.
08/18–07/20	**Development and Calibration of Safety Performance Functions for Intersections on rural divided highways in Alabama (Thesis).** Ramya developed Alabama-specific calibration factor for unsignalized intersections on rural divided highways. She calibrated safety performance functions (SPFs) and predicted crash frequency for recently modified intersections

Firm	AECOM Technical Services, Inc.		
Leslie Roche, AICP Associate Vice President, Planning Manager		Years of Relevant Experience with this Employer	29
		Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization	BA/1982/Anthropology		
Active Registration Number / State / Expiration Date	AICP.153604/National/12.31.2024		
Year Registered	2004	Discipline	American Institute of Certified Planners
Contract Role(s) / Brief Description of Responsibilities	**Environmental Planner.** *Leslie manages feasibility studies, corridor screening analyses, alternatives analyses, and preparation of NEPA-compliant documentation, traditional and tiered EISs, EAs, categorical exclusions, Section 4(f) and 6(f) evaluations, and technical studies consistent with the FHWA, Federal Transit Administration (FTA), Federal Railroad Administration (FRA), and state agency procedures. She has implemented community involvement efforts, including advisory committees, public meetings, and resource/regulatory agency coordination.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/03–09/08	**LADOTD, I-49 South EIS, Various Locations, LA.** *Environmental Task Manager.* Leslie was responsible for NEPA compliance in two FHWA EIS/Section 4(f) evaluations and secured a ROD for the upgrade of two segments of US Route 90, totaling 21 miles through Lafayette, St. Martin, Iberia, and St. Mary parishes, to interstate status. Key issues included purpose and need, port and energy industries as major traffic generators, local and regional traffic conflicts, hurricane evacuation, and potential impacts to businesses, industries, agriculture, and the natural environment. Leslie employed integrated planning in the forms of a merged NEPA/Section 7 process and extensive community involvement program.
04/05–06/08	**LADOTD, I-49 South EIS, Raceland to Westbank Expressway, St. Charles and Jefferson Parishes, LA.** *NEPA Compliance Lead.* Leslie assisted with this FHWA EIS/Section 4(f) evaluation and ROD for the upgrade of 35 miles of US Route 90 to interstate status. Key issues included purpose and need, port and energy industries as major traffic generators, local and regional traffic conflicts, hurricane evacuation, and potential impacts to businesses, industries, residences, and the natural environment.
01/17–03/22	**Arizona DOT, I-11 Tier 1 EIS and Alternative Selection Report, Nogales to Wickenburg, AZ.** *Section 4(f) Specialist and NEPA Advisor.* Leslie assisted with this new 280-mile section of the nationwide I-11 highway corridor initiative from Nogales on the Mexico border, through Tucson and Phoenix, to Wickenburg. She prepared a draft Section 4(f) Evaluation for a Tier 1 EIS of multiple corridor alternatives. As one of AECOM's National Practice experts in Section 4(f) and NEPA, she provided strategic guidance to ADOT in the form of white papers supported by case law and similar projects to support methodologies and decision-making. Key Section 4(f) issues included protected species and wildlife corridors on and between protected properties; tribal lands; and proximity effects to existing and planned communities.
05/04–09/06	**Arizona DOT, I-10 Corridor EIS, 7th Street to Santan Freeway, Phoenix, AZ.** *Environmental Task Manager.* Leslie analyzed impacts of proposed widening of the I-10 corridor and prepared EIS chapters in the areas of parks, cultural resources, environmental justice, and hazardous materials. She also performed the Section 4(f) evaluation.
02/19–12/19	**FRA, Dallas to Houston High-Speed Rail Project, Dallas, TX.** *Section 4(f) Specialist and NEPA Advisor.* Leslie delivered a Section 4(f) Evaluation as part of a combined FEIS/ROD for a new 240-mile high-speed passenger rail service. Key Section 4(f) issues included many family cemeteries along the proposed alignment and a strong focus on determining property protection under Section 4(f) based on primary use and significance.

05/04–02/06	**New York State DOT and Metropolitan Transit Authority, Tappan Zee Bridge Replacement, New York, NY.** *Section 4(f)/6(f) Manager, NEPA Advisor.* Leslie assisted with this multi-modal bridge, highway, and rail/bus transit improvements along the NY State Thruway. She managed cultural resources, Section 4(f) and 6(f) evaluations, natural resources, air quality, energy, and coastal zone consistency.
03/18–06/19	**Connecticut DOT, I-84 Interchange Improvements, Hartford, CT.** *NEPA Advisor, Section 4(f) Expert.* Leslie assisted in preparing an EIS for reconstruction of the existing, elevated highway in the City of Hartford. Key issues included integration of the new highway with the existing city context, reorganizing the street network for better connections and operations, organizing a new intermodal facility to address interconnections between Amtrak and rail and bus transit services, and historic property and park preservation.
01/18–08/18	**PennDOT, I-80 Reconstruction, SR 0080 Section 17M, Monroe County, PA.** *NEPA Advisor.* Leslie assisted with this EA and Section 4(f) evaluation to support replacement of 3.5 miles of I-80 in northeastern Pennsylvania. The project included capacity and safety improvements, local roadway operation improvements resulting from interchange reorganization. Key issues included constructability and construction impacts.
04/08–02/16	**PennDOT, District 6-0, I-95/SR 322 Interchange Improvements EA, Chester, PA.** *Environmental Task Leader.* Leslie was responsible for completing an EA and technical studies to address safety improvements. Key issues included local and through traffic concerns, access, environmental justice, wetlands, and historic resources.
10/09–11/10	**South Jersey Transportation Authority, Atlantic City Expressway Widening EIS, NJ.** *Environmental Task Leader.* Leslie was responsible for completing an Executive Order No. 215 EIS and technical studies; obtained state NEPA approval to add an additional westbound travel lane. Key issues included wetlands and permitting. (2009-2010)
01/18–12/18	**FTA NEPA Reviewer, Region 6, Dallas, TX.** *Extension of FTA NEPA Staff.* In a contract with the Dallas Area Rapid Transit, Leslie reviewed the DEIS, FEIS/ROD, and Section 4(f) Evaluations for the Cotton Belt Corridor Regional Rail Project, a new, 26-mile passenger rail service on a former freight railroad corridor between Dallas-Fort Worth International Airport and Plano, TX. She provided FTA-level comments on the documents, participated in FTA meetings about the project, and provided other documentation and observations about the project as requested by FTA. Key issues included historic resource/Section 4(f) impacts and mitigation.
05/16–08/17	**FTA and NJ TRANSIT, Southern New Jersey Bus Rapid Transit EA, NJ and PA.** *Section 4(f) and NEPA Manager.* Leslie delivered an EA, Section 4(f) evaluation, and Section 106 consultation for a new bus rapid transit (BRT) service between southern NJ and Philadelphia, PA. Key issues included bi-state and multiple jurisdiction coordination (PennDOT, NJDOT, and others), integration with other planned projects, and expediting strategies, including Section 106 Programmatic Agreement and phased implementation using existing facilities.
09/10–04/14	**FTA and Maryland Transit Authority, Purple Line, MD.** *Section 4(f) and NEPA Manager.* Leslie delivered this FTA award-winning FEIS/Section 4(f) Evaluation, and obtained a ROD for the multi-modal Purple Line light rail transit and trail project. The FEIS won FTA's 2015 *Outstanding Achievement Award of Excellence in Environmental Document Preparation.* It also included a National Park Service ROD. Leslie interfaced with the legal team on Section 4(f) strategy. A key focus was on verifying compliance with NEPA/Section 4(f) commitments in construction/operation.

Firm	AECOM Technical Services, Inc.		
Matthew Rufo, AICP Principal Planner		Years of Relevant Experience with this Employer	1
		Years of Relevant Experience with Other Employer(s)	17
Degree(s) / Years / Specialization	MA/2009/City Planning and Urban Design • BA/2003/Urban Studies		
Active Registration Number / State / Expiration Date	AICP.218508/National/12.31.2023		
Year Registered	2013	Discipline	American Institute of Certified Planners
Contract Role(s) / Brief Description of Responsibilities	**Environmental Planner.** *Matt is a transportation, land use, and environmental planning team leader in the New Orleans office. He is experienced in helping government, nonprofits, and businesses make their communities healthier, wealthier, and more resilient through impactful planning and design processes. Matt studies how public investments in place-making and mobility-serving infrastructure sustain equitable community growth and development. He understands the value of equitable public involvement in decision-making processes and is a champion for transportation choices and safe mobility for all users.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
12/22–Present	**LADOTD, I-49 Lafayette Connector Design and Studies, Lafayette, LA.** *Principal Planner.* Matt advised on environmental justice impacts of the design for an urban freeway in Lafayette, LA.
11/22–Present	**Baton Rouge Sewerage Commission, College Drive, Baton Rouge, LA.** *Principal Planner.* Matt developed the conceptual study of opportunities to incorporate green infrastructure into roadway redesign and reconstruction as part of road enhancements to College Drive Corridor in east Baton Rouge.
02/23–Present	**Capital Metro, Red Line Commuter Rail-with-Trail Feasibility Study, Austin, TX.** *Public Involvement Specialist.* Matt advises on strategies to advance the city's commitment to making community-informed decisions that equitably expand urban trails, bikeways, and sidewalk networks. He developed a Public Engagement Plan and oversees development of interactive Virtual Open House platform.
02/23–Present	**Capital Metropolitan Transportation Authority, General Engineering Consulting, RedLine Trail Study, Austin, TX.** *Public Involvement Specialist.* Matt developed a Public Engagement Plan and oversaw the development of Virtual Open House content for ArcGIS Site/Story Map.
10/22–05/23	**Capital Region Planning Commission, Baton Rouge Urbanized Area, Travel Demand Management, Baton Rouge, LA.** *Principal Planner.* Matt provided support outreach to institutional partners to establish and develop a travel demand management program. Conducted direct outreach to employees at fairs, to large employers, and to university students at on-campus events to encourage participation in the Commuter Krewe carsharing program.
10/22–05/23	**USDOT, FHWA, National Complete Streets Assessment, Arlington, VA.** *Principal Planner.* Matt prepared QA/QC outreach materials and developed graphics to illustrate research findings under a multi-year task order contract for developing a survey, tools, and protocols to measure the complete streets policy, implementation practices, and capabilities currently existing in all 52 state Departments of Transportation.
09/19–08/20	**New Orleans Regional Planning Commission, Stage 0 Feasibility Study, South Carrollton Avenue Non-Motorized Transportation Enhancements, New Orleans, LA.** *Project Manager.* Matt oversaw and managed the assessment of conditions and development of conceptual alternatives for complete street improvements to a congested major arterial roadway, interstate highway interchange, and railroad underpass in a historic corridor.

01/17–12/18	**New Orleans Regional Transit Authority, Strategic Mobility Plan, New Orleans, LA.** *Principal Planner.* Matt prepared maps, graphics, and written analysis of existing transit market conditions; supported direct community engagement through in-person meetings; and participated in internal workshops to draft recommendations.
01/19–11/20	**Build Baton Rouge, Imagine Plank Road, Plan for Equitable Development, Baton Rouge, LA.** *Senior Project Manager.* Matt oversaw and managed the development of a transit-oriented land use development and design strategy to build community wealth and opportunity in a disinvested urban corridor. Conducted technical assessment of social, economic, and environmental challenges and integrated public input into conceptual designs for public and open spaces, public facilities, new housing and public programs to sustain community development.
03/21–06/22	**City of New Orleans Department of Public Works, On-call Mobility Planning and Design, New Orleans, LA.** *Senior Project Manager.* Matt led the consulting team's task of developing new bicycle boulevard guidance and standards to inform designs of local street projects that calm traffic and create greater comfort for people walking and biking.
01/20–04/21	**New Orleans Regional Planning Commission, New Links, New Orleans Comprehensive Operations Analysis and Network Redesign, New Orleans, LA.** *Project Manager.* Matt managed the support team's strategic public participation and stakeholder engagement and developed graphics and public display materials designed to educate community members about service trade-offs and solicit attitudes toward them.
12/20–06/22	**City of Austin, ATX Walk Bike Roll, Austin, TX.** *Project Manager.* Matt oversaw and managed several tasks, including developing and administering an Ambassador Program that recruited, trained, and compensated community members to engage groups that are historically underrepresented in planning efforts; conducting an equity scan involving a review of previous plans and interviews with key stakeholders; developing an equity framework to guide decision-making during the planning process and measure success; creating online mapping tools to collect place-based input electronically; analyzing data from thousands of survey responses; and developed updated urban trail design guidelines.
07/21–06/22	**CapMetro, Equitable Transit Oriented Development Policy Plan, Austin, TX.** *Urban Planner.* Matt oversaw the development of a vision and policy strategy to implement transit-oriented development to benefit historically underserved communities in Austin. Duties involved studying the capacity for transit-oriented development in a dozen high-priority future station areas based on current land use, zoning, and land valuation and recommending land use strategies, such as minimum parking reductions, to achieve ETOD.
09/21–05/22	**Austin Transit Partnership, Project Connect, Strategic Public Involvement, Austin, TX.** *Project Planner.* Matt provided design and execution of accessible, virtual online public involvement activities, including station area design workshops and creation of online map-based input tools. Supported project management and delivery of materials and deliverables.
09/21–05/22	**St. Tammany Parish, Comprehensive Plan Update, Mandeville, LA.** *Senior Project Manager.* Matt oversaw the update of the Parish's 20-year-old comprehensive plan. This included evaluation of prior plan implementation; assessment of existing and recent trends in demographic, economic, and ecological conditions; development of growth scenarios; and formulation of updated goals, objectives, and implementation steps.

Firm	AECOM Technical Services, Inc.		
Corey Serignea Senior CADD Technician		Years of Relevant Experience with this Employer	29
		Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization	Vocational Technical Certificates in Various Graphics/Drafting and Design Applications		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s) / Brief Description of Responsibilities	**Senior CADD Technician.** *Corey is a skilled CADD technician with considerable experience in civil engineering projects. He has been responsible for various graphic, cartographic, and CADD applications.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
06/21–Present	**Port of New Orleans, Louisiana International Terminal, LA 46 & LA 39, St. Bernard, LA.** *Lead CADD Designer.* The project consists of realigning LA 46 (St. Bernard Highway) and a new interchange connecting to LA 39 (East Judge Perez Drive), including access roads for the proposed Louisiana International Terminal Container Facility. The tasks included creating a new alignment for the existing LA 46 (St. Bernard Highway), including proposed horizontal and vertical alignments, typical sections, and detail drawings. The LA 39 interchange includes the horizontal and vertical alignment of access roads connecting the proposed intermodal container facility to a new interchange connecting to existing LA 36 (East Judge Perez Drive).
08/14–07/17	**LADOTD, H.011489.5, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA.** *CADD Designer.* Corey assisted in preparing Safety Improvement Plans (SIP) for 282 systemic curves located throughout Louisiana. The tasks associated with this project include site visits to the curves, plan preparation of safety countermeasures for each curve, cost estimates for the plan set, and a pre-construction meeting with each DOTD district. Each site visit includes a ball bank test, photo, and an existing conditions documentation of each curve. The plan preparation includes deriving safety countermeasures at each curve location, preparing a letter-size plan set of the safety countermeasures, including the Crash Modification Factors (CMFs) within the plan sheet, and preparing cost estimates for the safety countermeasures. After the completion of each letter size plan sets, a meeting will be held with each District to discuss the countermeasures.
05/10–12/12	**LADOTD, 700-92-0024, I-49 South, 11 Stage 0 Interim Improvements for Safety and Efficiency, Wax Lake Outlet to Berwick, St. Mary Parish, LA.** *Lead CADD Designer.* The project goal was to identify improvements in the US 90/I-49 corridor between Wax Lake and Berwick that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Corey's responsibilities include geometric design (horizontal and vertical) for line/grade conceptual drawings, analyzing and proposing several alignments.
09/17–Present	**Coastal Protection and Restoration Authority, LA 23 Over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** *CADD Designer.* The project consists of a new concrete precast girder bridge, approximately 2,200 feet in length, and the connecting asphalt roadway. Design plans include plan and profile sheets, drainage plan and profile sheets, and sequence of construction plans. Multiple construction activities will be conducted at one time. The sequence of construction is a critical element of design to manage traffic and maintain roadway operations even if evacuation routes would be required. Corey performed 3D modeling using InRoads to develop plan, profile, and typical sections for the relocation of LA 23 across the proposed Mid Barataria Sediment Diversion Channel.
06/21–Present	**City of Baton Rouge/Parish of East Baton Rouge, College Drive Enhancements, Baton Rouge, LA.** *CADD Designer.* The project is providing capacity and safety enhancements to the College Drive corridor. Corey developed plan and profile views of multiple alternatives of road improvements to support the design study. Future tasks include preliminary and final plans of the selected improvements.

02/07–06/10	**LADOTD, City of Baton Rouge Department of Public Works, 817-40-0008, Siegen Lane Improvements, Highland Road to 650 feet South of Perkins Road, Baton Rouge, LA.** *CADD Designer.* The goal of this project is to produce a design report and a set of plans and specifications for the construction of a four-lane divided roadway to replace the existing two-lane road. Corey's responsibilities include design horizontal and vertical geometry of the new roadway, develop CADD standards in compliance with the client requirements, as well as preparing CADD standard procedure for the surveyor, and coordination and supervision of CADD production.
11/12–1/13	**LADOTD, H.009998.1, Safety Retainer Contract LA 935 Feasibility Study, Ascension Parish, LA.** *CADD Designer.* Corey assisted with this Stage 0 feasibility study in accordance with the results of the Roadway Safety Assessment (RSA). The 4-mile study area includes a segment of LA 935 from LA 431 to LA 22 in Ascension Parish. From the RSA, three proposed alternatives were to be considered for a Stage 0.
01/94–8/96	**LADOTD, US 84 Improvements, LA 28 to US 65/Black River Bridge, Catahoula and Concordia Parishes, LA.** *CADD Designer.* Corey was responsible for development of an aerial map atlas presenting the proposed alignment for the upgrade of a 27-mile section of US 84. Aerial photography was digitized into an AutoCAD base map. Proposed roadway and bridge improvements, as well as environmental features, were identified and integrated into a geographic database. Color presentation maps were prepared for two public meetings. Numerous other presentation exhibits were prepared and integrated into the engineering report and EA.
08/96–12/99	**St. Bernard and Orleans Parishes, Chalmette Bridge, St. Bernard and Orleans Parishes, LA.** *CADD Designer.* Corey was responsible for development of an aerial map atlas presenting the alignment for the proposed Mississippi River Bridge crossing in Chalmette. Digital aerial photography was used in an AutoCAD base map. Proposed roadway and bridge alignments, as well as environmental features, were identified and integrated into a geographic database. Color presentation maps were prepared for two public meetings. Numerous other presentation exhibits were prepared and integrated into the engineering report and environmental assessment.
01/00–06/03	**LADOTD, I-49 South/Route US 90, LA.** *CADD Designer.* Corey was responsible for development of an aerial map atlas presenting the proposed alignment for the proposed I-49 South/Route US 90 from Lafayette Regional Airport to Route LA 88. Digital aerial photography was used in an AutoCAD base map. Proposed roadway and bridge alignments, as well as environmental features, were identified and integrated into a geographic database. Color presentation maps were prepared for two public meetings. Numerous other presentation exhibits were prepared and integrated into the engineering report and EIS.
05/16–07/15	**LADOTD, H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511), Bossier and Caddo Parishes, LA.** *CADD Designer.* The project consists of providing all necessary engineering and related services required to prepare a Supplemental EA in accordance with NEPA, as amended, and the FHWA's regulations and guidelines. Corey was responsible for geometric design (horizontal and vertical) of at-grade and elevated structures, as well as organizing, preparing, and producing deliverable sets of plans and exhibits for the report and for public meetings. Corey drafted a portion of the bridge plans for the redecking and widening of the main and approach spans (deck, prestressed girders, and column bents).
05/10–12/13	**LADOTD, 700-92-0024, I-49 South, 23 Stage 0 Interim Improvements for Safety and Efficiency, Raceland to Westbank Expressway, Lafourche, St. Charles, and Jefferson Parishes, LA.** *Lead CADD Designer.* The goal of the project was to identify improvements in the US 90/I-49 corridor between Raceland and the Westbank Expressway that can be implemented to improve safety and operations pending construction of I-49. These improvements can include partial construction of segments of I-49, rerouting of I-49, and improvements to US 90. Responsibilities include geometric design (horizontal and vertical) for Line/Grade Conceptual Drawings, analyzing and proposing several alignments.
07/16–08/17	**LADOTD Safety Studies Retainer Contract, US 190 Barrier Feasibility Study, St. Tammany Parish, LA.** CADD Designer. This project involved a study of a median barrier within the limits of an existing structure on LA 22. Tasks within this study include existing data collection, geometric layout analysis, safety analysis, field review, bridge rating and structural analysis. A comprehensive report detailing findings of existing conditions, preliminary plans of a preferred alternative for a barrier system on an existing structure, and a safety analysis of the barrier system.

Firm	Neel-Schaffer, Inc.		
Chance Shuckrow, PE Project Engineer		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2014/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0042746/LA/03.31.2025		
Year Registered	2018	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Roadway Engineer.** *Chance designs roadways, freeways, and signalized and roundabout geometry intersections. He has worked in the design of drainage, horizontal and vertical profiles, and corridors. He has also worked in cost estimating of projects and in the preparation of roadway design plans.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
05/22–Present	**East Milton Avenue Improvements, Youngsville, LA.** *Roadway Engineer.* This project will widen the existing roundabout at the intersection of East Milton Avenue and Chemin Metairie Road from a single-lane to a multi-lane roundabout, as well as provide corridor improvements along East Milton Avenue . Chance is the technical lead on drainage design and QA/QC on line and grade, roadway design.
06/21–Present	**St. Tammany Parish Coastal Master Plan, St. Tammany Parish, LA.** *Roadway Engineer.* Chance provided engineering support for development of horizontal and vertical alignments (line and grade) in development of multiple alternatives of raising elevations and widening US 11 and Lakeview Drive to provide storm resilience.
08/14–03/19	**Juban Road (LA 1026) Widening, Livingston Parish, LA.** *Roadway Engineer.* Chance provided final design for reconstruction of Juban Road as a four-lane median divided roadway with multi-lane roundabouts intersections and a shared use path. He completed vertical and horizontal alignments (line and grade) and modeled the project with Bentley software, and assisted with the drainage design and preparation of plans.
11/15–Present	**Southcity Parkway Extension, Lafayette, LA.** *Roadway Engineer.* This project will construct a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It includes three multi-lane roundabout intersections and new bridge design. The roadway and drainage design are being completed in conformance with LADOTD guidelines. NSI provided public outreach, line and grade, environmental, road design, and traffic services.
02/22–Present	**West Broussard Roundabout at Duhon Road (LA 724).** *Technical Lead, Engineer of Record.* This project will construct a roundabout and required drainage improvements. Chance completed the horizontal and vertical alignments (line and grade).
09/15–Present	**LA 27 Left Turn Lanes for Cameron LNG Plant, Cameron Parish, LA.** *Roadway Engineer.* Chance assisted in roadway design, development of alignments (line and grade), modeling, and preparation of plans.
09/15–Present	**Ham Reid at LA 3092 Intersection Improvements.** *Roadway Engineer.* This project will construct a roundabout at the intersection of LA 3092 and Ham Reid Road. The roadway and drainage design were completed in accordance with LADOTD guidelines. Chance developed horizontal and vertical alignments (line and grade).
02/15–12/16	**US 51 Business Corridor Study (I-12 to Coleman).** *Roadway Engineer.* Chance provided engineering support for line and grade geometric alternatives and cost estimates supporting the study. The project includes analysis of three roundabout geometry intersections.
02/15–10/16	**US 51 Corridor Study (West University to I-55).** *Roadway Engineer.* Chance provided engineering support for line and grade geometric alternatives and cost estimates supporting the study. The project includes analysis of eight roundabout geometry intersections.

03/15–Present	**Mandeville Bypass, Mandeville, LA.** *Roadway Engineer.* This project will provide a new 3-mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park. It will construct five roundabouts and multiple entrances to Pelican Park. Work includes roadway design and multiple multi-lane roundabouts. NSI provided line and grade, environmental, road design, and traffic services.
03/15–Present	**St. Martinville Bypass (LA 31) EA and Line and Grade Study, St. Martinville, LA.** *Roadway Engineer.* This project includes five roundabout geometry intersections at connections with state routes. Chance assisted in geometric design of roadway alternatives and in the development of horizontal and vertical profiles.
08/14–03/19	**SPN H.011235.5, I-49 South at Verot School Road.** *Roadway Engineer.* This project will construct 2.4 miles of mainline freeway, bridges, and an interchange at the intersection of I-49 South/US 90 and Verot School Road. Work includes a major bridge design and a roundabout at the relocated intersection of Verot Road and South Collage Road. NSI is designing the interstate mainline and frontage roadways (drainage, preliminary and final road design and TMP) as well as the drainage along these corridors. NSI is also completing the traffic design. Includes roundabout design. This project includes new line and grade layouts.
08/17–07/18	**I-10 New Orleans Master Plan.** *Roadway Engineer.* Chance provided engineering support for developing horizontal and vertical alignments of roadways (line and grade), and geometric layouts of traditional interchanges, with multiple bridges, alternative intersections, ramps, roundabouts, and HOV lanes to provide access to the Port of New Orleans.
12/2021–Present	**I-10/I-12 College Drive Design-Build Project.** *Roadway Engineer.* This project will improve the I-10 at College Drive exit by removing the weave that exists when I-10 westbound traffic crosses over several lanes to access the College Drive exit ramp. The westbound lanes for I-12 will be realigned to match the eastbound I-12 travel lanes more closely. Chance is providing the independent design review for the roadway design.
11/19–Present	I**DIQ Contract for Design of Safety Projects (Districts 02, 61, 62).** *Roadway Engineer.* This project will provide safety improvements for four parishes within three districts. The tasks under this project include stage 0 feasibility studies, planning / environmental, preliminary, and final design, and construction related engineering. Chance is providing civil design support and drainage design.
11/14–04/17	**SPN H.004987, US 190 Collins Boulevard Line and Grade Study for NORPC, St. Tammany Parish, LA.** *Roadway Engineer.* This project includes 10 roundabout geometry intersections. Chance assisted in geometric layout of roadway and design of horizontal and vertical profiles for line and grade study.

Firm	AECOM Technical Services, Inc.		
Haider Talib, PE Traffic Engineer		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	1.3
Degree(s) / Years / Specialization	MS/2015/Civil Engineering • BSc/2008/Building and Construction Engineering		
Active Registration Number / State / Expiration Date	PE.44441/TX/03.31.2024		
Year Registered	2022	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Engineer.** *Haider is experienced in modeling, traffic operations analysis, road safety studies, and report writing components. He has experience in the use of traffic analysis software packages including VISSIM, HCS, SIDRA, and Synchro.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
04/22–04/23	**FDOT District Two, SR 104 Safety Study, Dunn Avenue, Biscayne Road to Harts Road, Jacksonville, FL.** *Traffic Engineer.* This project involves a safety assessment along SR 104 to determine whether a raised median is needed to help reduce angle and left-turn crashes. Haider's responsibilities included assessment of traffic operations and safety for existing and proposed conditions and recommending the best design and locations of median openings within the study area. Synchro was used to assess, the level of service, delay, and queue lengths.
04/22–0423	**FDOT District Two, SR 10 Safety Study, Atlantic Boulevard, Anniston Road to Dibble Circle, Jacksonville, FL.** *Traffic Engineer.* This project involves a safety assessment along SR 10 to determine whether a raised median is needed to help reduce angle and left-turn crashes. Haider's responsibilities included assessment of traffic operations / safety for existing and proposed conditions and recommending the best design and locations of median openings within the study area. Synchro software package was used to assess, the Level of service, delay, queue lengths.
04/22–04/22	**FDOT District Four, SR 806 Safety Study, Atlantic Avenue at Military Trail Intersection, Palm Beach County, FL.** *Traffic Engineer.* This project involves a safety study at the intersection of SR 806 (Atlantic Avenue) and Military Trail located in Palm Beach County, Florida. Haider's responsibilities were to provide support in report writing and provide quality control of the deliverables.
04/22–Present	**Review of Traffic Impacts Studies, Monroe County, FL.** *Traffic Engineer.* Haider's responsibilities were to review traffic impact studies and traffic statements in accordance with the *Monroe County Traffic Impact Studies Guidelines* and to verify their compliance with the Monroe County guidelines and level of service standards.
02/20–04/22	**County Road 43 Transportation Study, Kemptville, Ontario, Canada.** *Transportation Planning Engineer.* This project involved a transportation study and detailed design of the County Road 43 Intersections from County Road 44, easterly to Colonnade Drive. Haider's responsibilities were to assess traffic operations in existing conditions, assess traffic operations for alternatives in future horizon year, and recommended the best design at each intersection within the study area.

Firm	AECOM Technical Services, Inc.		
Jonathan Vavasseur, PWS Senior Project Biologist		Years of Relevant Experience with this Employer	4
		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization	BS/2002/Wildlife and Fisheries Sciences		
Active Registration Number / State / Expiration Date	PWS #3029/National/NA • FHWA-NHI-142005 NEPA and Transportation Decision-Making/2016 • NHI 142073 Applying Section 4(f): Putting Policy to Practice/2017		
Year Registered	2018	Discipline	Certified Professional Wetland Scientist
Contract Role(s) / Brief Description of Responsibilities	**Wetland Specialist.** *Jonathan is a certified Professional Wetland Scientist with 17+ years of experience in environmental, regulatory, and ecological consulting with a strong concentration in wetland ecology. He has served as the team leader and field coordinator for environmental project teams. Jonathan has led various projects that range from wetland delineations, threatened and endangered (T&E) species surveys, biological assessments, and environmental site assessments throughout the southeastern U.S. for federal and state agencies, municipalities, and private clients.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
11/20–04/21	**City or East Baton Rouge, College Drive Corridor Improvements, LA.** *Senior Biologist/Permitting Specialist.* Jonathan conducted wetland delineations, T&E surveys, and Section 404/10 permitting for all roadway segments within the proposed improvement corridors.
07/20–09/20	**City of East Baton Rouge, Jones Creek Road Extension, LA.** *Senior Biologist/Permitting Specialist.* Jonathan conducted wetland delineation and T&E surveys as well as Section 404/10 USACE permitting
02/19–08/20	**NASJRB, New Orleans, LA.** *Project Manager, Senior Biologist.* Jonathan conducted wetland and T&E species field surveys, technical reporting, and NEPA documentation for a 500+ acre proposed vegetation clearing project for the Department of Defense.
07/18–06/19	**Wanhua Chemical US Holdings, St. James Parish, LA.** *Project Manager, Senior Biologist.* Jonathan conducted wetland delineations and T&E species surveys for five sites. He was the lead permitting specialist responsible for obtaining USACE Section 404/10 permits and LADNR Coastal Use Permitting (CUP). Work included conducting wetland and T&E species field surveys and reporting as well completing and submitting all required federal and state regulatory permits.
02/15–07/15	**Colonial Pipeline Company Anomaly Digs.** *Lead Field Biologist, Permitting Specialist.* Jonathan conducted wetland delineations, T&E surveys, technical reporting, and habitat restoration for approximately 75 anomaly locations in Louisiana and Mississippi. Work included project coordination and conducting wetland, T&E field surveys, technical reporting, and regulatory permitting.
07/14–07/15	**Baton Rouge Metropolitan Airport.** Lead field biologist and project coordinator Jonathan conducted wetland delineations and technical reporting for an approximate 220-acre tract owned by the Baton Rouge Metropolitan Airport. Work included project coordination and conducting wetland delineations at the request of the New Orleans District, USACE.
08/15–08/18	**LADOTD (Biologist) DCL for FHWA Funded Highway Projects, Statewide, LA.** *Environmental Impact Specialist, DCL (Biologist).* Jonathan coordinated and oversaw all wetland projects for the LADOTD. He was the lead biologist responsible for coordinating all linear and tract wetland delineations and technical reporting for numerous federally funded highway projects all over the state of Louisiana. Work included serving as the environmental coordinator, coordinating and conducting the wetland and T&E field surveys, NEPA processing for federally funded highway projects, and as technical reporting for state highway projects.
04/13–02/15	**Port of Greater Baton Rouge, LA.** *Lead Field Biologist, Regulatory Specialist.* Jonathan conducted wetland delineations, T&E surveys, and regulatory permitting for numerous tracts owned by the Port of Greater Baton Rouge.

Firm	AECOM Technical Services, Inc.		
Wu Ying, PE, AICP, ENV SP Transportation Engineer		Years of Relevant Experience with this Employer	4
		Years of Relevant Experience with Other Employer(s)	5
Degree(s) / Years / Specialization	MS/2021/Transportation Engineering • MS/2016/Transportation Planning and Management • BS/2012/Chemistry		
Active Registration Number / State / Expiration Date	PE #144072/TX/12.31.2023 • AICP #31900/National/NA • Envision Sustainability Professional #53865		
Year Registered	2022	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Transportation Engineer.** *Wu is experienced in managing and leading transportation planning and engineering projects involving statewide and regional long-range transportation plans, corridor feasibility studies, planning and environmental linkages (PEL) studies, mobility and livable center studies, multimodal hub studies, traffic impact studies, traffic engineering studies, environmental and schematic design projects, IAJR studies, origin-destination studies, travel demand modeling, and transportation funding applications. He has managed the development of multiple statewide, regional, citywide, and sub-regional plans, programs, and studies. He is skilled in safety analysis, data management, GIS online tools, demographic analysis, public engagement, and exhibit and report preparation. He is a demonstrated team lead and team player with excellent communication skills, time management skills, and ability in coordinating and handling multiple projects to meet deadlines.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
09/21–Present	**TxDOT, SH 35/I-610 IAJR Study, Harris County, TX.** *Deputy Project Manager, Task Lead.* AECOM is conducting the IAJR study to evaluate the mobility, safety, and accessibility impact of the proposed SH 35 extension with four new direct connectors between SH 35 and I-610. Wu led development of the methodology and assumptions memo, prepared traffic projection methodology considering no-build and build conditions, developed traffic volumes for existing and future years for various scenarios including no-build and build conditions, and developed of traffic simulation models in Vissim.
06/18-06/19	**TxDOT, I-35 NEX Corridor Study IAJR Study, San Antonio, TX.** *Traffic/Transportation Planner.* Wu developed a traffic projection methodology and volume balancing tool for the 18-mile corridor, projected future growth, and supported in developing volume line diagram and Vissim models for no-build and build scenarios. He also prepared the traffic analysis section for the IAJR.
03/17–Present	**TxDOT, I-45N PEL Study, Harris and Montgomery Counties, TX.** *Deputy Project Manager, Traffic Task Lead.* AECOM is conducting a PEL study for I-45N from south of Beltway 8 to north of LP 336S, a length of 23.74 miles. The study's purpose is to conduct analysis and planning activities with resource agencies and the public to produce a transportation planning product that effectively serves the community's transportation needs. The study results may be used to inform a subsequent project-specific NEPA process. Wu led traffic and planning tasks, including review of previous plans and studies, future traffic projection, corridor travel patterns analysis and visualization with Streetlight and Replica data, travel demand modeling, and alternative evaluation. He served as a key member in stakeholder/public engagement and graphic exhibits preparation. He leads the task to develop an ArcGIS Online based digital book to document analysis results, proposed alternatives, and relevant GIS layers in one platform.

1/22–Present	**TxDOT, REAL Concept Brookshire-Katy Implementation Plan, Waller, Fort Bend, and Harris Counties, TX.** *Transportation Planner.* AECOM is developing an implementation plan to actualize the Regional Express Access Lane (REAL) concept for deployment. REAL is a multi-modal mobility concept involving mobility hubs, freight villages, connected and automated vehicles, micro-mobilities, and other emerging technologies. Wu led the origin-destination analysis task to identify travel patterns of passenger vehicles and trucks and produced an origin/destination dashboard in ArcGIS Online to visualize travel patterns to support concept development. He led the mobility hub best practices review to identify mobility hubs across the world of various typologies, functions, funding, and operation mechanisms.
06/22–Present	**TxDOT, Texas Statewide Long-Range Transportation Plan, TX.** *Technical Analysis Task Lead.* AECOM is updating the state's performance-based multimodal statewide transportation plan. The plan includes reviewing strategic goals and identifying objectives, needs, and recommendations in support of these goals out to 2050. Wu leads the data collection, analysis, and documentation of various statewide datasets to evaluate existing conditions of Texas' multimodal system and future trends. He is responsible for applying Statewide Analysis Model (SAM), and big data such as INRIX, StreetLight, and Replica data to identify people and goods travel patterns and mobility needs for various transportation modes. He supports scenario planning, statewide prioritized needs identification, and analysis of performance of priority corridors.
10/19–Present	**TxDOT, I-45 South (Gulf Freeway) PEL Study, Houston, TX.** *Deputy Project Manager, Traffic Task Lead.* AECOM is conducting a PEL study for I-45 S (Gulf Freeway) from I-69 / US 59 (Downtown Houston) to Beltway 8 S, approximately 14 miles in Harris County. The study's purpose is to conduct analysis and planning activities with resource agencies and the public to produce a transportation planning product that effectively serves the community's transportation needs. The study's results of the study may be used to inform a subsequent project-specific NEPA process. Wu is responsible for traffic data collection, corridor existing volume development and balancing, traffic projection methodology development, future volume projection, corridor capacity analysis using FREEVAL, origin/destination analysis using StreetLight and Replica data, and alternative development and evaluation. He actively supports stakeholder/public engagement and graphic exhibits preparation. He leads the task to develop an ArcGIS Online-based digital book to document analysis results, proposed alternatives, and relevant GIS layers in one platform.
11/21–Present	**TxDOT, Texas Statewide Planning Contract Program Management, TX.** *Deputy Project Manager, Data Manager.* AECOM is providing program management to support this statewide planning contract for the update and implementation of the Statewide Long-Range Transportation Plan, including the development of district bicycle plans and a resiliency plan. Wu serves as the deputy project manager for the program management work assignment, and the data manager for the whole contract including a statewide bicycle plan, long-range transportation plan, and resiliency plan. He is responsible for developing an integrated data catalogue and GIS database to serve all work assignments under the statewide planning contract. He supports development of a project management dashboard to track progress based on scope, schedule and budget.
10/19–10/22	**TxDOT, REAL Plan, Houston-Galveston Eight-County Region, TX.** *Task Lead.* AECOM developed the REAL Plan to integrate and expand regional express lanes in the Houston region that will offer a continuum of connectivity and create an efficient and seamless intermodal system. The REAL Plan serves as a long-range master plan that TxDOT can use to collaborate with partner agencies to lay the foundation for a multimodal system. It is designed to enhance and reshape the region's express roadway network to provide mobility and modal choices to people and goods in an effort to reduce regional congestion . Wu served as the task lead for developing REAL guidelines for corridor studies. He identified and reviewed peer study and plans to summarize best practices, collected and analyzed transit ridership and P&R lot utilization data, and conducted regional origin-destination pattern analysis using Replica and StreetLight data to locate mobility hubs and network connection. He led the REAL Digital Plan development in ArcGIS Online platform serving as the final master plan document. He developed the guidelines to strategically implement the master transportation plan through corridor/sub regional level studies and projects.

Firm	Neel-Schaffer, Inc.		
Dishili Young, PE, PTOE Engineer Manager		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization	MS/2018/Civil Engineering • BS/2002/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0033723/LA/09.30.2024 • Transportation Safety Systems (*Highway Safety Manual* Graduate Course)/2016 • ATSSA Traffic Control Supervisor and Technician Training Course/2015 • NHI Course No. 142005/NEPA Transportation Decision Making/2014 • FHWA Highway Safety Manual Workshop/2014 • Roadside Safety Design by the FHWA and NHI/2010		
Year Registered	2008	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	**Traffic Engineer.** *Dishili is experienced in program management, engineering management, project management, and engineering design, and management and design of interstate design-build projects, interstate design-bid-build projects, road design projects, drainage projects, hydrology and hydraulic studies, environmental studies, and feasibility studies.*		

Experience Dates	Experience and qualifications relevant to the proposed contract.
04/18–04/20	**SPN 700-90-0019, Stage 0 Feasibility and Environmental Inventory, I-12 Corridor Study • SPN 700-03-0001, Stage 0 Feasibility Study and Environmental Inventory Interchange at I-10 and LA Highway 74, LA.** *Traffic Engineer.* Dishili assisted with typical sections and horizontal alignments.
10/13–12/16	**H.010572.1, Stage 0 Feasibility Study and Environmental Inventory for LA 30, Ashland Road to LA 44, Ascension Parish, LA.** *Project Manager, Project Engineer.* Dishili assisted with the geometrics, 18 stakeholder meetings, public meetings, Stage 0 report, checklist, and cost estimate.
08/17–11/22	**SPN H.000284/H.000286, US 90 Pearl River Bridges EA, St. Tammany Parish, LA, and Hancock County, MS.** *Traffic Engineer.* Work includes the preparation of an EA, as well as line and grade engineering. The project considered over 75 line and grade alternatives, roundabout intersections, and five bridges (fixed and movable span bridge alternatives) for the Pearl River. Work also included navigation studies, supporting environmental studies, and public involvement. Dishili managed line and grade and assisted with sections of the document and public outreach.
12/14–08/17	**SPN H.005734, Stage 1 (EA) for LA 447 Corridor Study, LA.** *Engineer.* Dishili assisted with the Project Work Plan, analysis of data, conducted meetings, assisted with design criteria, and line and grade (multi- and single-lane roundabouts and R-Cut corridor improvements as well as the partial cloverleaf interchange which must tie to roundabouts which are under construction). She has also assisted with the technical portion of the draft SOV and with setting the buffer areas for the logical termini. She has assisted with portions of the environmental document and public outreach.
12/15–8/17	**SPN H.0055158.2, I-49 South, Raceland to Westbank Expressway EIS, Jefferson, Lafourche, and St. Charles Parishes, LA.** *Project Manager.* This project involved the completion of a line and grade study as well as a supplemental EIS for US 90 with LA 1/LA 308 Interchange in Lafourche Parish and extending to the elevated Westbank Expressway in Jefferson Parish. Similarly, to I-49 South (Ricohoc to Berwick), this project upgraded the existing US 90 corridor to a control of access highway. This project included a high-level interchange decision matrix for each proposed interchange. Dishili assisted with conducting the kickoff meeting, project coordination, progress meetings, scope revisions, and man-hour estimating. She assisted with the Tier 1 interchange analysis for 13 interchange locations.

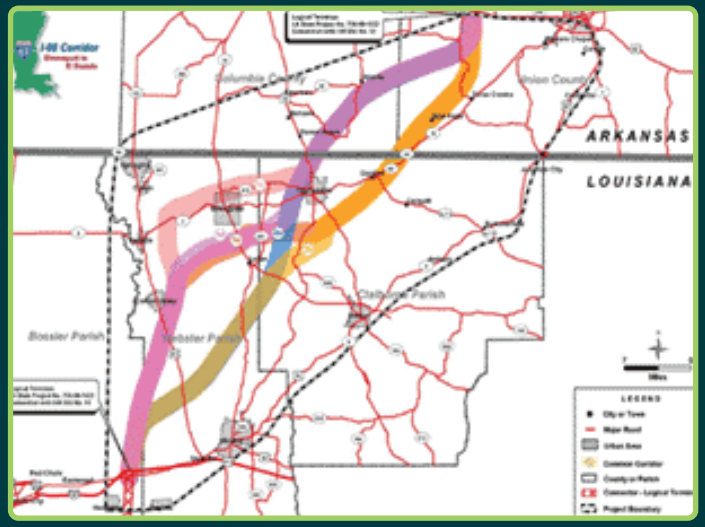
08/08–03/11	**LADOTD, SPN 700-36-0142, EA Update and Bridge Optimization Study for Almonaster Avenue Bridge Replacement over the Inner Harbor Navigation Canal, LA.** *Engineer.* Dishili assisted with this bridge optimization study, which was an update to a feasibility study and EA previously completed in 2004 before Hurricane Katrina. Dishili assisted with the line and grade study by assisting in the establishment of the design criteria and typical section. She also developed the horizontal and vertical geometry, completed the drainage design, and assisted with select sections of the environmental document.
12/16–08/17	**SPN H.009520 LA 3168, New Bridge at BNSF-US 90, Lafayette, LA.** *Engineer.* This EA project would replace the at-grade crossing with a bridge structure and improve the associated roadway network as required to provide connectivity to the new elevated roadway.
12/17–07/20	**Southcity Parkway Extension EA & Stage 3, Lafayette, LA.** *Engineer.* This project included a new 1.7-mile, four-lane median divided corridor between US 167 (Johnston Street) with Kaliste Saloom Road. It included three multi-lane roundabout intersections and a new bridge crossing of the Vermillion River. The roadway and drainage design was completed in conformance with LADOTD guidelines. Dishili managed and assisted with the roadway, bridge hydraulics and roadway drainage design effort. NSI provided public outreach, environmental, roadway design, and traffic services.
09/22–Present	**East Milton Avenue Roundabout Widening and Corridor Improvements, Youngsville, LA.** *Project Manager.* This project includes some tasks which are similar to a line and grade (determine design criteria, horizontal and vertical alignment, impacts), preliminary and final plans for a 1.1-mile project at intersection of Chemin Metairie Road and East Milton Avenue. This project includes adding a two-way left-turn lane to existing two-lane and converting a single roundabout to multi-lane roundabout. The corridor includes subsurface drainage, restricted crossing U-turn, and raised median to prevent left-turn movements.
01/20–Present	I**-20, LA 544 Overpass Replacement, Lincoln Parish, LA.** *Project Manager.* Dishili is managing preliminary and final design services. This project will replace the LA 544 overpass diamond interchange with a diamond roundabout interchange. The project includes a new bridge over I-20 with sidewalks and four multi-lane roundabouts. This project includes a level 2 TMP, similar to a line and grade (project determined design criteria, horizontal and vertical alignment, impacts).
04/18–Present	**SPN H.011235.5, I-49 South at Verot School Road, LA.** *Engineer.* Dishili is managing the design services for the interstate design and service road design (drainage, preliminary and final road design and TMP). This project which will construct 2.4 miles of mainline freeway, bridges and an interchange at the intersection of I-49 South/US 90 and Verot School Road. As a subconsultant, NSI is designing the interstate mainline and frontage roadways, as well as designing the drainage along these corridors. NSI is also completing the traffic design and TMP.
08/17–03/19	**SPN H.004634, Juban Road Widening.** *Engineer of Record.* Dishili managed the completion of the roadway and drainage design services for this project to widen LA 1026 (Juban Road), construct three roundabouts and two new frontage access roadways, with storm drainage sewer.
08/17–Present	**Mandeville Bypass, Mandeville, LA.** *Roadway Design Manager.* This project will provide a new 3-mile median divided roadway with integral bike path connecting LA 1088 near its interchange with I-12 and US 190 near Fontainebleau Park and includes five roundabouts.
02/10–12/11	**LADOTD, SPN 450-10-0159, I-10 Widening Design-Build Siegen Lane (LA 3246) to Highland Road (LA 74).** *Engineer.* Dishili managed portions of the civil design. This project involved the widening of I-10 from four lanes to six, bridge reconstruction (I-10 over Wards Creek and I-10 over KCS Bridge), and drainage improvements along the corridor. In addition to assisting with the roadway design, Dishili completed the H&H analysis and scour analysis for the Wards Creek Bridge. She also assisted with the drainage design along the interstate corridor.
01/09–11/11	**SPN 454-01-0047, SPN 454-02-0025, I-12 Widening Design-Build (O'Neal Lane to Pete's Highway).** *Engineer.* This project involved the widening of I-12 and bridge reconstruction (I-12 over Amite River (two bridges) and I-12 over O'Neal Lane (two bridges)). In addition to assisting with the roadway design, Dishili assisted with the scour analysis and H&H analysis at the Amite River as well as the drainage design along the interstate corridor.

Section 17

I-69 Environmental Impact Statement, Junction I-20 to US 82 (Louisiana to Arkansas)

AECOM completed a corridor analysis and EIS for Section of Independent Utility (SIU) 14 of the I-69 corridor. The 65-mile project included:

- NEPA coordination and documentation
- Traffic and transportation modeling;
- Conceptual engineering line and grade plans for the preferred alternative, including mainline, interchanges, and local access roads



17. Firm Experience

Firm Name	**AECOM Technical Services, Inc.**	Past Performance Evaluation Discipline(s)	Traffic, Road, Environmental
Project Name	**LP 1604 at I-10 IAJR, Schematic Design, and Environmental Evaluation**	Firm Responsibility	Prime
Project Number	N/A	Owner's Name	Texas Department of Transportation
Project Location	San Antonio, Texas	Owner's Project Manager	Scott Nelson
Owner's Address, Phone, Email	125 East 11th Street, Austin, TX – 903.675.4196 • scott.nelson@txdot.gov		
Services Commenced by This Firm	10/18	Total Consultant Contract Cost ($1,000's)	$7,833
Services Completed by This Firm	05/22	Cost of Consultant Services Provided by This Firm ($1,000's)	$7,833

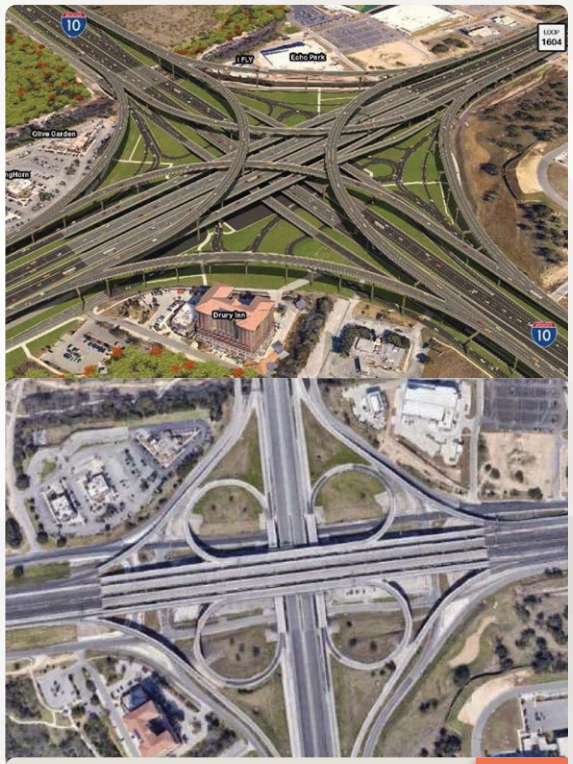
The LP 1604 schematic/environmental document project covers a 23-mile stretch of LP 1604 from SH 16 to I-35 and about 3 miles of I-10 on the north side of San Antonio, including the improvement of a system interchange at Loop 1604 at I-10. The existing fully directional cloverleaf interchange needed operational and safety improvements. The loop ramps were over capacity and the weave points were causing significant congestion and safety issues, not just at peak periods, but throughout the day. An observation report was collected during traffic data collection efforts to ascertain existing operational and safety issues along the corridor. A comprehensive Vissim model was developed to provide guidance on the development of the geometric schematic by evaluating vehicle delay, travel times, congestion, and weave issues. To aid in calibration, big data was used to help determine a typical day on this heavily congested system.

An IAJR for the I-10/LP 1604 Interchange was developed and fully coordinated with TxDOT San Antonio District, TxDOT Design Division, and FHWA using the FHWA's latest update to the Traffic Analysis Toolbox (TAT) and DES Division's latest SOP guidelines. The IAJR examined nine major alternatives, with subsets of alternatives addressing isolated portions of the study area. The alternatives were evaluated to balance operations and safety and included keeping existing infrastructure to maintain local access, frontage road bypasses, implementation or removal of collector/distributor (C/D) roads, multiple ramp sequencing and configurations, and full reconstruction.

Along with the Vissim model that assessed the operational performance of the proposed alternatives, an Enhanced Interchange Safety Analysis Tool (ISATe) model was also developed to analysis the existing, no build and build alternatives predicted safety performance. The tools were incorporated into the IAJR to aid in the selection of the recommended alternative.

The recommended alternative was to reconstruct the interchange to a five-level interchange with direct connectors (DC) and C/D road system and ramp access. C/D roads parallel to I-10 were slightly widened to allow a three-lane capacity during the construction phase that reconstructs the I-10 mainlanes. At the frontage road level, a unique and innovative interchange of four at grade partial roundabouts will provide complete free-flowing access thru the interchange.

Team Members: Daniel Helms, Ramya Rayapureddy, Kordel Braley



Relevance to LADOTD

- ☑ Traffic Analysis and Modeling
- ☑ Crash Analysis
- ☑ Traffic Data Collection
- ☑ IAJR Development
- ☑ Interchange Layout and Design
- ☑ Environmental Evaluation

Firm Name	**AECOM Technical Services, Inc.**	Past Performance Evaluation Discipline(s)	Environmental, Traffic
Project Name	**Baton Rouge Loop, Implementation Plan, Tier 1 Environmental Impact Statement Alternatives Evaluation, and Travel Demand Modeling**	Firm Responsibility	Subconsultant
Project Number	H.005201 (H.008732)	Owner's Name	East Baton Parish
Project Location	Baton Rouge, Louisiana	Owner's Project Manager	Bryan Harmon
Owner's Address, Phone, Email	222 St. Louis Street, Baton Rouge, LA • 225.389.3158 • bharmon@brgov.com		
Services Commenced by This Firm	02/08	Total Consultant Contract Cost ($1,000's)	Est. $5,429
Services Completed by This Firm	12/15	Cost of Consultant Services Provided by This Firm ($1,000's)	$2,288

As a major participant on the consultant team, AECOM prepared an implementation plan and Tier 1 EIS for the proposed Baton Rouge Loop. The growth of through traffic, limited east-west surface roadways, and population increases following Hurricane Katrina led Baton Rouge area residents and officials to consider a full loop roadway around the urban area and a new river crossing. The alternatives evaluation examined a toll roadway concept that was studied in three units: South I-10 on the west bank of the Mississippi River to I-10 on the east bank; East I-10 on the east bank of the Mississippi River to I-12 near Livingston; and North I-12 near Livingston to I-10 on the west bank.

Following the identification of reasonable and feasible corridors, these were screened for environmental effects, for compatibility with navigation requirements, for effectiveness in reducing congestion along I-10 and I-12, and for public and agency perception.

The AECOM responsibilities included development of an area-wide environmental inventory, a massive GIS effort, environmental impact assessments for numerous resources using GIS, identification and environmental screening of corridors, traffic and travel demand forecasting, project phasing, toll analysis, a financing and implementation plan, and public involvement. The Final Tier I EIS was prepared in December 2015.

Team Members: Tom Hunter, Jonathan Martinez

Relevance to LADOTD

- ☑ Major GIS Effort for Environmental Inventory
- ☑ Development of Alternative Corridors
- ☑ Instrumental in Evaluation of alternatives
- ☑ EIS development
- ☑ Travel Demand Modeling and Tolling Analysis
- ☑ Project Management Plan

Firm Name	**AECOM Technical Services, Inc.**		Past Performance Evaluation Discipline(s)	Environmental, Road	
Project Name	**I-49 Lafayette Connector Supplemental EIS, CSS, and Structural Design**		Firm Responsibility	Subconsultant	
Project Number	H.004273	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Lafayette, Louisiana	Owner's Project Manager	Tim Nickel, PE		
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804-9245 • 225.379.1110 • timothy.nickel@la.gov				
Services Commenced by This Firm	07/15	Total Consultant Contract Cost ($1,000's)	Est. $32,000		
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$11,300		

This 5.5-mile project is one of the largest undertaken by the LADOTD, with an estimated construction cost of $1.3 billion. ***AECOM's roles include structure design, supplemental EIS evaluations, cultural resource services, updating the Standing Structures Inventory and the Section 106 consultation process, a context-sensitive solution (CSS) design process, railroad coordination, and a project implementation plan.***

As the structural engineers on the consultant team, AECOM is responsible for the design and coordination of all structural design, including a 2-mile continuous elevated six-lane interstate viaduct with signature feature bridge components. Other structure requirements along the corridor include two new grade-separated interchanges at Kaliste-Saloom and University/Surrey, I-49 and University Bridges over the Vermillion River and the development of over 25 retaining and noise wall structures. Design work also required the development of conceptual railroad design submittals for two grade separations at BNSF and LDRR. These submittals were led by AECOM's railroad coordinator, Jonathan McDowell.

The initial scope included an environmental re-evaluation of the 2003 Record of Decision (ROD) selected alternative, preliminary design using a CSS process implementation approach, and alternative delivery evaluations. During the stakeholder outreach process, the project team confirmed required modifications to the selected alternative which warranted the development of additional design and alternative evaluation refinements. These alternatives were vetted through a robust Concept Refinement Process (CRP), similar to a PEL Study, that required intense stakeholder and public involvement and will be analyzed in a Supplemental EIS (SEIS) to be prepared by AECOM. Continuing tasks include the NEPA analysis, CSS process, and completing preliminary design.

Relevance to LADOTD

- ☑ Supplemental EIS
- ☑ Alternatives and Evaluation
- ☑ Community/Stakeholder Involvement
- ☑ Evaluation of Environmental Impacts
- ☑ Close Coordination with LADOTD
- ☑ Design of Interchanges

After completing the Functional Plan, under Phase II, the consultant team will prepare the construction documents, prepare permits, assure the environmental commitments, and complete work in preparation for construction.

Team Members: Derek Chisholm, Louis Costa, Tom Hunter, Jonathan Martinez, Jonathan McDowell, Daniel Helms, Ramya Rayapureddy, Daniel Boyd, Chris McKown, Gregory Trahan

Firm Name	**AECOM Technical Services, Inc.**		Past Performance Evaluation Discipline(s)	Environmental, Traffic, Road	
Project Name	**LA 511, Red River Bridge at Jimmie Davis Highway Stage 0 Feasibility Study and Environmental Assessment**		Firm Responsibility	Prime	
Project Number	H.001779	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Bossier and Caddo Parishes, Louisiana	Owner's Project Manager	Stage 0: Ryan Reviere, PE • EA: Ezekiel Onyegbunam • SEA: Catherine Mastin, PE		
Owner's Address, Phone, Email	PO Box 94246, Baton Rouge, LA 70804 • 225.379.1071 • 225.242.4516 • 225.379.1652 • ryan.reviere@la.gov • ezekiel.onyegbunam@la.gov • catherine.mastin@la.gov				
Services Commenced by This Firm	12/08	Total Consultant Contract Cost ($1,000's)	Stage 0: $291 • EA: $915 • SEA: $513		
Services Completed by This Firm	07/15	Cost of Consultant Services Provided by This Firm ($1,000's)	Stage 0: $225 • EA: $588 • SEA: $489		

AECOM first prepared a Stage 0 Feasibility Study to investigate providing additional capacity to the Red River Bridge at Jimmie Davis Highway (LA 511). ***Beginning in 2013, we prepared an EA that obtained a Finding of No Significant Impact (FONSI) from the FHWA.*** In 2017, the DOTD initiated a Supplemental Environmental Assessment (SEA) to identify a new preferred alternative that will satisfy the project's purpose and need.

The project extends from East Dixie Meadow Road to Barksdale Boulevard (US 71) along East 70th Street in Shreveport and Jimmie Davis Highway in Bossier City. The project includes providing a full interchange of the Arthur Ray Teague Parkway that parallels the Red River in Bossier City with LA 511, improvements to Jimmie Davis Highway and other roadways in the immediate area, and a bicycle/pedestrian trail across the Red River to connect the existing trails on each side of the river.

Tasks included environmental data collection, a purpose and need statement, development of design criteria, alternative analysis for both the EA and the SEA, traffic analysis, noise analysis, and preparation of NEPA documents as well as roadway and bridge design. The designs and cost estimates of all bridge alternatives studied were for both concrete and steel construction options. All three studies included public outreach. The EA had an open house public information meeting, and an open house public hearing following the distribution of the Draft EA. An open house public information meeting was held and a public hearing is planned to follow the distribution of the Draft SEA.

A major project issue is the disposition of the existing two-lane Jimmie Davis Bridge. As it is eligible for the Nation Register of Historic Places and it is not beyond repair, it cannot be demolished. Although its use as the alignment of the trail has been studied, that would require that a third party take responsibility for its maintenance, and no third party has been identified. Therefore, the 2015 Selected Alternative and the 2019 Preferred Alternative both provide a new westbound bridge with two vehicular travel lanes and the trail. The eastbound traffic would continue to use the existing bridge, which is scheduled to be rehabilitated under a separate project. Other differences between the alternatives are the redesign of Jimmie Davis Highway, improvements in access to adjacent property to avoid relocations, and substantial reduction in the cost of the trail by providing at-grade connections.

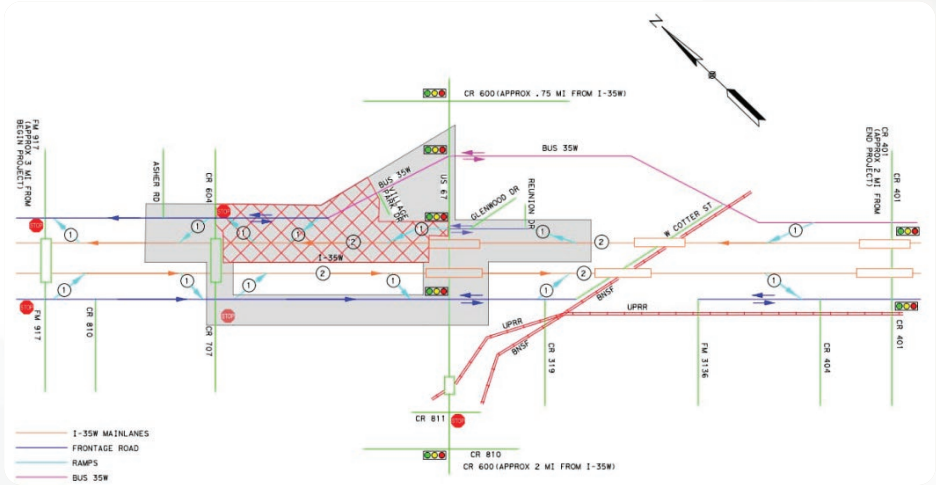
Relevance to LADOTD

- ☑ NEPA Documentation
- ☑ Schematic Design of Bridge and Roadway
- ☑ Traffic Analysis
- ☑ Advanced Planning Study
- ☑ Public Engagement
- ☑ Alternatives Development and Evaluation

Team Members: Derek Chisholm, Louis Costa, Tom Hunter, Jonathan Martinez, Jonathan McDowell

Firm Name	**AECOM Technical Services, Inc.**	Past Performance Evaluation Discipline(s)	Environmental, Traffic, Road
Project Name	**I-35W, CR 604/CR 707 to US 67 Interchange Access Justification Report**	Firm Responsibility	Prime
Project Number	N/A	Owner's Name	Texas Department of Transportation, Fort Worth District
Project Location	Alvarado, Texas	Owner's Project Manager	Thomas Marquardt, PE
Owner's Address, Phone, Email	2501 S.W. Loop 820, Fort Worth, TX 76133 • 817.370.6772 • thomas.marquardt@txdot.gov		
Services Commenced by This Firm	05/14	Total Consultant Contract Cost ($1,000's)	$1,565
Services Completed by This Firm	02/24	Cost of Consultant Services Provided by This Firm ($1,000's)	$1,265

I-35W is a north-south corridor through Fort Worth, Haslet, and Burleson. At its apex in downtown Fort Worth, it carries over 165,000 vehicles per day. A major national trade corridor, the interstate has daily truck volumes averaging 11%. Multiple expansion projects are either planned or underway to improve safety and mobility along 26 miles of I-35W in Tarrant County.



The Texas Department of Transportation (TxDOT) proposed realigning the I-35W northbound main lanes and removing the closed left-hand exit from the southbound I-35W main lanes to BUS 35W (North Parkway Drive). The project, located on the northwest side of the City of Alvarado, also adds a northbound frontage road between US 67 and BUS 35W. TxDOT selected a team led by AECOM to complete the necessary studies, including an Interchange Access Justification Report (IAJR), and obtain federal approvals. The full turnkey project included preliminary alignments; schematic; environmental compliance; plans, specifications, and estimates; and construction phase services.

The AECOM staff, led by Daniel Helms who lives in Ascension Parish, managed the IAJR development in accordance with the TxDOT IAJR Standard Operation Procedure (SOP) policy of 2020, which also includes the two policy points required by FHWA as contained in the memorandum "Changes to FHWA's Policy on Access to the Interstate System" FHWA dated May 22, 2017.

Two build alternatives were evaluated. Alternative 2 has been selected as the final build alternative.

Team Members: Daniel Helms, Kordel Braley, Ramya Rayapureddy

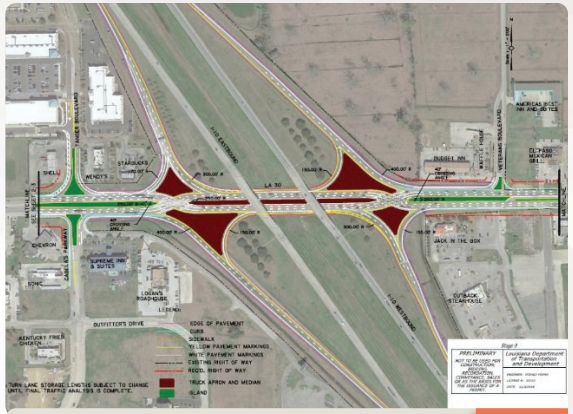
Relevance to LADOTD

- ☑ Interchange Justification using Updated FHWA Guidance and Requirements
- ☑ Numerous ROW Constraints
- ☑ Economic Development as a Driver
- ☑ Alternatives Development
- ☑ Schematic Design
- ☑ Environmental Evaluations

Firm Name	**Neel-Schaffer, Inc.**		Past Performance Evaluation Discipline(s)	Planning, Road, Traffic	
Project Name	**LA 30, LA 3251 to LA 44 Stage 0 Feasibility Study**		Firm Responsibility	Subconsultant	
Project Number	44-1862, H.010572.1	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Gonzales, Ascension Parish, LA	Owner's Project Manager	Connie Porter Betts, PE		
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 • 225.379.1297 • connie.porter@la.gov				
Services Commenced by This Firm	10/13	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	12/16	Cost of Consultant Services Provided by This Firm ($1,000's)	$454		

Neel-Schaffer, Inc. provided the traffic study for the feasibility of improving the mobility of LA 30 from LA 3251 (Ashland Road) to LA 44 (South Burnside Avenue) in Gonzales, Ascension Parish, and helped conduct public and stakeholder meetings. In addition, Neel-Schaffer staff assisted with the completion of the Stage 0 report, tier analysis, concept layouts, and checklists. This project identified interim, intermediate, and long-term alternatives. The traffic study included the collection of existing traffic data, traffic forecasting using the CRPC Travel Demand Model, capacity analysis of the LA 30 corridor for RCUTS, roundabouts and traditional intersections, and microsimulation of interchange concepts. ***The travel demand modeling efforts evaluated the impacts of new interchanges at LA 74 and LA 429 on LA 30 and LA 73.*** The modeling results indicated that the interchange volumes at the existing LA 73 and LA 30 interchanges could be reduced by approximately 20%–30% with the new interchanges in place. The interchange concepts were evaluated at LA 30 and I-10 using at tiered process.

- **Tier 1** • 20 interchange concepts were evaluated for cost, traffic operations, right-of-way, and environmental and utility impacts. Interchange sketches were completed on aerial imagery for the Tier 1 matrix. Ultimately, the diamond interchange with roundabouts, diamond interchange with signals and diverging diamond interchange (DDI) were selected for detailed analysis in Tier 2.
- **Tier 2** • Concept layouts were completed for the three interchanges and corridor improvements, detailed traffic operations analysis were performed using microsimulation for the three interchange concepts. The microsimulation process included developing an approved calibrated existing model before developing the no build and alternative microsimulation models. Shown to the right is the DDI alternative plan sheet, which was one of several concept layouts completed with the assistance of current Neel-Schaffer employees.



Relevance to LADOTD

- ☑ Traffic Analysis & Modeling
- ☑ Regional Forecast Volumes for Future LA 429 and LA 74 interchanges
- ☑ Public Involvement & Stakeholder Coordination
- ☑ Interchange and Corridor Alternatives Analysis

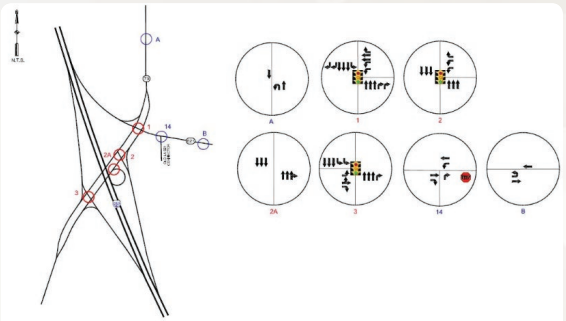
This project represents a major corridor for oversized vehicles and truck traffic. Neel-Schaffer employees helped work with industrial plants and the LA Trucking Association by running special AutoTURN templates to demonstrate that the oversized vehicles can maneuver through the DDI and double roundabout intersections. In addition, a long-term solution of an industrial corridor from LA 30 to a new interchange at LA 429 to facilitate industrial traffic use was considered.

Team Members: Nick Ferlito, Ellen Howard, Dishili Young

Firm Name	**Neel-Schaffer, Inc.**		Past Performance Evaluation Discipline(s)	Planning, Road, Traffic	
Project Name	**LA 73, LA 74 to LA 621 Feasibility Study**		Firm Responsibility	Subconsultant	
Project Number	44-5873, H.011160.1	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Dutchtown, Ascension Parish, LA	Owner's Project Manager	Connie Porter Betts, PE		
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 • 225.379.1297 • connie.porter@la.gov				
Services Commenced by This Firm	03/14	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	12/17	Cost of Consultant Services Provided by This Firm ($1,000's)	$200		

Neel-Schaffer, Inc. provided the traffic study for the feasibility of improving the mobility of LA 73 from LA 74 to LA 621 in Ascension Parish and helped conduct public and stakeholder meetings. This project identified interim, intermediate, and long-term alternatives. The traffic study included the collection of existing traffic data, traffic forecasting using the CRPC Travel Demand Model, capacity analysis of the LA 73 corridor for RCUTS, roundabouts and traditional intersections, and interchange concepts. ***The travel demand modeling efforts evaluated the impacts of new interchanges at LA 74 and LA 429 on LA 30 and LA 73.*** The modeling results indicated that the interchange volumes at the existing LA 73 and LA 30 interchanges could be reduced by approximately 20%–30% with the new interchanges in place. The interchange concepts were evaluated at LA 73 and I-10 using at tiered process.

- **Tier 1** • 12 interchange concepts were evaluated for cost, traffic operations, right-of-way, environmental and utility impacts. Interchange sketches were completed on aerial imagery for the tier 1 matrix. Ultimately, the diamond interchange with signals, Single Loop PC Type A interchange, and Single Loop PC Type A interchange with I-10 westbound on-ramp at LA 621 (schematic shown to the right) were selected for detailed analysis in Tier 2.
- **Tier 2** • Concept layouts were completed for the three interchanges and corridor improvements, including a median section with roundabouts and RCUTs. Detailed traffic operations analyses were performed using SIDRA for the three interchange concepts as well as the corridor improvements. The traffic study concluded that the Single Loop with PC Type A with connection to LA 621 along with a roundabout corridor would perform better than the no build and RCUT alternatives.



Relevance to LADOTD

- ☑ Traffic Analysis and Modeling
- ☑ Regional Forecast Volumes for Future LA 429 and LA 74 interchanges
- ☑ Public Involvement & Stakeholder Coordination
- ☑ Interchange and Corridor Alternatives Analysis

This project represents a major corridor with access management issues and limited capacity for peak-hour traffic demands. Neel-Schaffer assisted in developing interchange and corridor alternatives. Recommendations were made to provide alternate access to Dutchtown High School from LA 73, to evaluate a new east-west route between LA 73 and LA 928 and consideration of a new interchange at I-10 and LA 74.

Team Members: Nick Ferlito, Ellen Howard, Jonathan Duhe

Firm Name	**Neel-Schaffer, Inc.**		Past Performance Evaluation Discipline(s)	Traffic	
Project Name	**I-10/12 College Flyover Ramp Design-Build**		Firm Responsibility	Subconsultant	
Project Number	H.013897	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Baton Rouge, LA	Owner's Project Manager	Catherine Mastin, PE		
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 • 225.379.1652 • catherine.mastin@la.gov				
Services Commenced by This Firm	08/20	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$971		

This project improves the safety and flow of traffic between the I-10/I-12 split and College Drive by eliminating lane changes that must occur when I-10 westbound traffic exits at College Drive. The proposed project realigns the two existing I-12 westbound through lanes to more closely follow the I-12 eastbound existing alignment and replaces the I-10 westbound Overpass Bridge with a new structure. In addition, the project physically separates College Drive northbound from the free-flow lane, which connects the I-10 westbound exit ramp to Corporate Boulevard. NSI is tasked with performing the traffic engineering and modeling, Interstate Modification Report and address FHWA 8 Policy Points, Transportation Management Plan, and is providing the independent technical review for roadway design and traffic control plans.

NSI tasks include:

- Field observations
- Calibrated VISSIM modeling following Traffic Engineering Report and Process
- Preparing the IMR and addressing FHWA 8 Policy Points
- Transportation Management Plan and mesoscopic modeling
- Independent technical review for the roadway design and traffic control plans

Team Members: Nick Ferlito, Ellen Howard, Jonathan Duhe, Chuck LeBouef, Dishili Young, Mai Nguyen, Charles Adams, and Kirk Gallien

Relevance to LADOTD

- ☑ Traffic Analysis & Modeling
- ☑ Interstate Modification Report

Firm Name	**Coastal Environments, Inc.**		Past Performance Evaluation Discipline(s)	Environmental	
Project Name	**LA 3234 Extension, LA 1065 to Hammond Airport**		Firm Responsibility	Subconsultant	
Project Number	H.008915.2	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Tangipahoa Parish	Owner's Project Manager	Michelle Hanks		
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 • 225.242.4514 • michelle.hanks@la.gov				
Services Commenced by This Firm	12/16	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	12/19	Cost of Consultant Services Provided by This Firm ($1,000's)	$74		

Coastal Environments, Inc., (CEI) conducted a cultural resources survey related to the construction of an extension of LA 3234 from LA 1065 to the Hammond Airport in Hammond, Tangipahoa Parish, Louisiana. The work was conducted for the LADOTD.

A Phase I cultural resources survey was conducted of a 144.14-acre area located within, and northeast of, the town of Hammond. The archaeological project area constituted the rights-of-way for three combined alternates, and all necessary construction servitudes. The area of potential effects (APE) encompassed approximately 1,788 acres and included all structures within 75 meters of the three combined alternates, plus the entire Hammond Airport.

The survey recorded eight archaeological sites and 53 standing structures. Portions of five of the archaeological sites were inaccessible and the Louisiana Division of Archaeology recommended that further investigations be conducted at these sites if they fall within the acquired right-of-way. The three remaining archaeological sites were recommended as not eligible for the National Register of Historic Places (NRHP). Three of the structures, the Alack House a ca. 1880 Folk Victorian residence, and two World War II-era structures at the former Hammond Army Airfield, were recommended as eligible for the NRHP. The remaining structures were not considered eligible.

Team Members: Sara Hahn, Joanne Ryan, David Kelley

Relevance to LADOTD

- ☑ LADOTD project
- ☑ Cultural Resources Survey for Roadway Widening
- ☑ Similar Linear Survey

Firm Name	**Coastal Environments, Inc.**	Past Performance Evaluation Discipline(s)	Environmental
Project Name	**LA 70 Widening from the Sunshine Bridge to LA 22**	Firm Responsibility	Subconsultant
Project Number	H.002424	Owner's Name	Louisiana Department of Transportation and Development
Project Location	Ascension and St. James Parishes, Louisiana	Owner's Project Manager	Sharon Gage
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 • 225.242.4514 • sharon.gage@la.gov		
Services Commenced by This Firm	08/18	Total Consultant Contract Cost ($1,000's)	Unknown
Services Completed by This Firm	03/19	Cost of Consultant Services Provided by This Firm ($1,000's)	$41

Coastal Environments, Inc., (CEI) conducted a cultural resources survey related to the widening of LA 70 from the Sunshine Bridge to LA 22, in Ascension and St. James parishes, Louisiana. The work was conducted for the LADOTD.

A Phase I cultural resources survey was conducted within the direct area of potential effects (APE)– a 147.13-acre area located between the communities of Union and Sorrento. The indirect APE encompassed approximately 457.32 acres and included all structures within 75 meters of the direct APE.

The survey recorded 13 standing structures, but no archaeological sites. Six of the structures had been relocated from other areas in southeast Louisiana to Cajun Village, which opened in 1992. They no longer retained their integrity of location, setting, feeling, and association. None of the structures were recommended as being eligible for the National Register of Historic Places.

Team Members: Sara Hahn, Joanne Ryan, Thurston Hahn, David Kelley

Relevance to LADOTD

- ☑ LADOTD project
- ☑ Cultural Resources Survey for Roadway Widening
- ☑ Similar Linear Survey

Firm Name	**Coastal Environments, Inc.**		Past Performance Evaluation Discipline(s)	Environmental	
Project Name	**LA 327 Bayou Paul Bridge Replacement**		Firm Responsibility	Prime	
Project Number	H.002333	Owner's Name	Louisiana Department of Transportation and Development		
Project Location	Iberville Parish, Louisiana	Owner's Project Manager	Stacie Palmer		
Owner's Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 • 225.242.4517 • stacie.palmer@la.gov				
Services Commenced by This Firm	08/15	Total Consultant Contract Cost ($1,000's)	$41		
Services Completed by This Firm	03/17	Cost of Consultant Services Provided by This Firm ($1,000's)	$41		

Coastal Environments, Inc., (CEI) was contracted by the LADOTD to conduct cultural resources monitoring of a bridge replacement on Highway 327 (Gummers Lane) over Bayou Paul in Iberville Parish, Louisiana. The project's primary concern was the presence of the Rock Zion Baptist Church cemetery, on the south side of Bayou Paul. Historical background research indicated that the cemetery had been in use since at least 1926 by the church, which had been at this location since 1899. During this work, it was noted that several east-west oriented depressions could be seen in the cemetery and within the right-of-way, indicating unmarked graves. Subsequent subsurface investigations in 2013 by CEI confirmed the presence of at least eight burial shafts within the right-of-way.

Although the construction project was subsequently redesigned to avoid impacts to the burials, monitoring of the construction was ordered by DOTD. Four months of monitoring the removal of the old bridge and the construction of the new one failed to note any disturbance of graves associated with the cemetery.

Team Members: Joanne Ryan, David Kelley

Relevance to LADOTD

- ☑ LADOTD project
- ☑ Cultural Resources Survey for Bridge Replacement
- ☑ Construction Monitoring

Firm Name	**The Lakvold Group, LLC**		Past Performance Evaluation Discipline(s)	Other (Real Estate Appraiser)	
Project Name	**US 80 Widening, Vancil Road to Well Road**		Firm Responsibility	Subconsultant	
Project Number	H.009932	Owner's Name	CSRS, Inc.		
Project Location	Ouachita Parish, Louisiana	Owner's Project Manager	Joe Earls		
Owner's Address, Phone, Email	8555 United Plaza Boulevard, Baton Rouge, LA, 70809 • 833.523.2526 • joseph.earls@csrsinc.com				
Services Commenced by This Firm	11/20	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	03/22	Cost of Consultant Services Provided by This Firm ($1,000's)	$7.2		

The Lakvold Group completed a Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the project area, analyzing real estate impacts, determining potential relocations, and researching the market area and real estate inventory.

Project Management and Final Transportation Study and Deliverables. These tasks included providing the completed document for review and inclusion in the Environmental Assessment.

Team Members: Angela Lemoine-Lakvold

Relevance to LADOTD

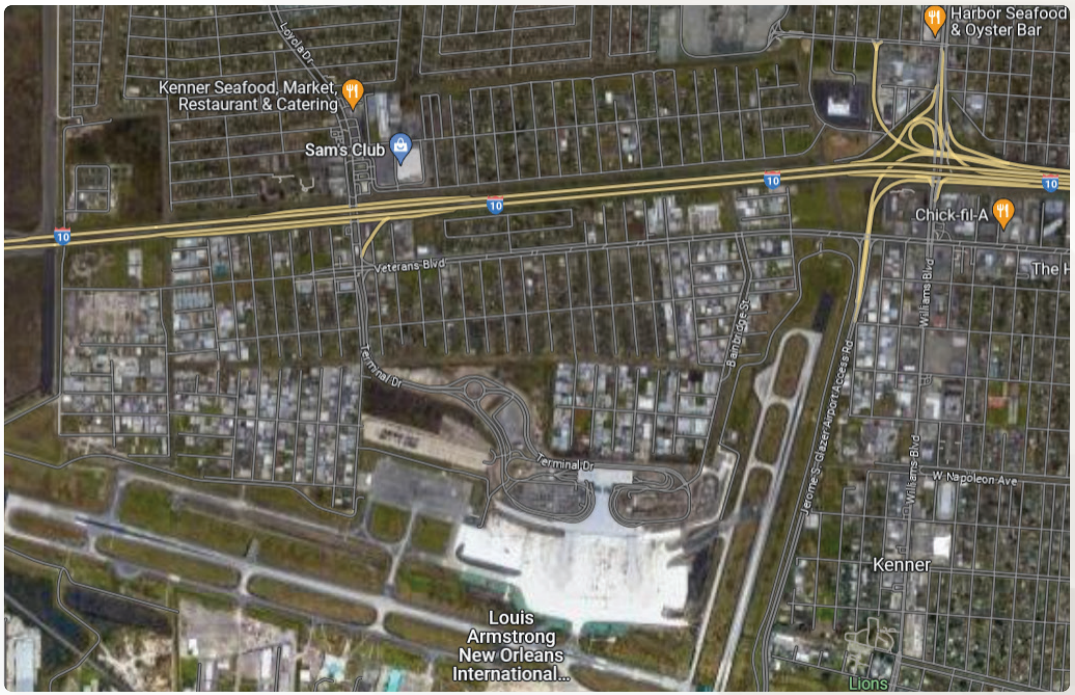
- ☑ Conceptual State Relocation Plan
- ☑ Real Estate Impacts
- ☑ Market Area and Real Estate Inventory

Firm Name	**The Lakvold Group, LLC**		Past Performance Evaluation Discipline(s)	Other (Real Estate Appraiser)	
Project Name	**I-10, Loyola Interchange Improvements**		Firm Responsibility	Subconsultant	
Project Number	H.011670	Owner's Name	CSRS, Inc.		
Project Location	Jefferson Parish, Louisiana	Owner's Project Manager	Joe Earls		
Owner's Address, Phone, Email	8555 United Plaza Boulevard, Baton Rouge, LA, 70809 • 833.523.2526 • joseph.earls@csrsinc.com				
Services Commenced by This Firm	01/18	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	08/19	Cost of Consultant Services Provided by This Firm ($1,000's)	$17.4		

The Lakvold Group completed a Conceptual Stage Relocation Plan based on various alternatives. The plan included viewing the project area, analyzing real estate impacts, determining potential relocations, researching the market area and real estate inventory.

Project Management and Final Transportation Study and Deliverables. These tasks included providing the completed document for review and inclusion in the Environmental Assessment.

Team Members: Angela Lemoine-Lakvold



Relevance to LADOTD

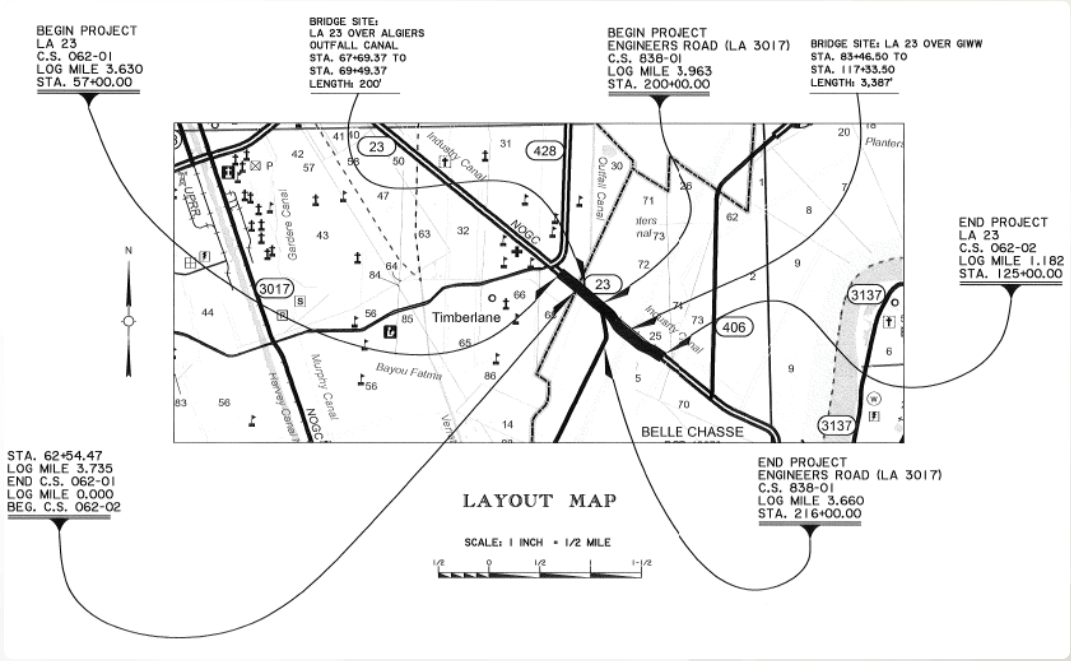
- ☑ Conceptual State Relocation Plan
- ☑ Real Estate Impacts
- ☑ Market Area and Real Estate Inventory

Firm Name	**The Lakvold Group, LLC**		Past Performance Evaluation Discipline(s)	Other (Real Estate Appraiser)	
Project Name	**Belle Chasse Bridge and Tunnel**		Firm Responsibility	Subconsultant	
Project Number	H.0049791	Owner's Name	CSRS, Inc.		
Project Location	Jefferson Parish, Louisiana	Owner's Project Manager	Joe Earls		
Owner's Address, Phone, Email	8555 United Plaza Boulevard, Baton Rouge, LA, 70809 • 833.523.2526 • joseph.earls@csrsinc.com				
Services Commenced by This Firm	11/20	Total Consultant Contract Cost ($1,000's)	Unknown		
Services Completed by This Firm	03/22	Cost of Consultant Services Provided by This Firm ($1,000's)	$120		

The Lakvold Group completed appraisals for the acquisition of the right-of-way for the construction of the project.

Project Management and Final Transportation Study and Deliverables. These tasks included meeting with property owners, cost consultants, and project managers. Analysis and research of the real estate market and completion of individual appraisals on the various parcels.

Team Members: Angela Lemoine-Lakvold



Relevance to LADOTD

☑ Real Estate Appraisal

Firm Name	**Marmillion/Gray Media, Inc.**		Past Performance Evaluation Discipline(s)		Other (Public Involvement)
Project Name	**MOVEBR Program Management Services**		Firm Responsibility		Subconsultant
Project Number	19-CS-HC-0005	Owner's Name	East Baton Rouge Parish		
Project Location	East Baton Rouge Parish, Louisiana	Owner's Project Manager	Fred Raiford		
Owner's Address, Phone, Email	PO Box 1471, Baton Rouge, LA 70821 • 225.389.3158 • fraiford@brla.gov				
Services Commenced by This Firm	07/19	Total Consultant Contract Cost ($1,000's)		$5,602	
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)		$420 to date	

Rannah Gray serves as the Communications Workgroup lead and co-lead of the Public Outreach Workgroup for the MOVEBR program. She manages communications, website design, social media, and digital advertising. Marmillion/Gray Media coordinated communications for the program kickoff, designed the program logo, wrote a detailed Communications Plan, coordinates media outreach, newsletter production and coordination of public meetings and outreach for the community enhancement, improvement of existing corridors, and traffic management projects.

Team Members: Rannah Gray, Sarah Powell, Ashley Powell

MOVEBR

Relevance to LADOTD

- ☑ Communications
- ☑ Media Relations
- ☑ Public Meetings
- ☑ Stakeholder Engagement
- ☑ Website and Social Media Management

Firm Name	**Marmillion/Gray Media, Inc.**		Past Performance Evaluation Discipline(s)		Other (Public Involvement)
Project Name	**Nicholson Corridor High-Capacity Transit System**		Firm Responsibility		Subconsultant
Project Number	16-CI-US-0032	Owner's Name	East Baton Rouge Parish		
Project Location	East Baton Rouge Parish	Owner's Project Manager	Stephen Bonnette (retired, EBR DPW) • Fred Raiford		
Owner's Address, Phone, Email	PO Box 1471, Baton Rouge, LA 70821 • 225.389.3158 • fraiford@brla.gov				
Services Commenced by This Firm	09/16	Total Consultant Contract Cost ($1,000's)		N/A	
Services Completed by This Firm	12/16	Cost of Consultant Services Provided by This Firm ($1,000's)		$138	

TramLinkBR, a proposed modern streetcar system, was introduced to Baton Rouge with creative branding, realistic renderings, media outreach, website development, stakeholder outreach, and informative public meetings. Marmillion/Gray Media worked with the prime consultants to conform with FTA and NEPA process requirements and assisted in conducting a site visit to Kansas City for East Baton Rouge Parish elected officials. After reviewing the Environmental Assessment document and its supporting documentation, the Federal Transit Administration issued a Finding of No Significant Impact (FONSI) for this project on July 29, 2016. Marmillion/Gray has continued working with the prime consultants and the current administration on a feasibility study to convert this project to a more flexible and economical bus-rapid-transit line.

Team Members: Rannah Gray, Sarah Powell, Ashley Powell

The Federal Transit Administration (FTA) named the TramLinkBR project the 2017 winner of its Outstanding Achievement Award for Excellence in Environmental Document Preparation.

TramLinkBR

Relevance to LADOTD

- ☑ Public Involvement and Outreach
- ☑ Media Relations
- ☑ Public Meetings
- ☑ Stakeholder Engagement
- ☑ Local Elected Official Outreach/ Coordination
- ☑ Website management

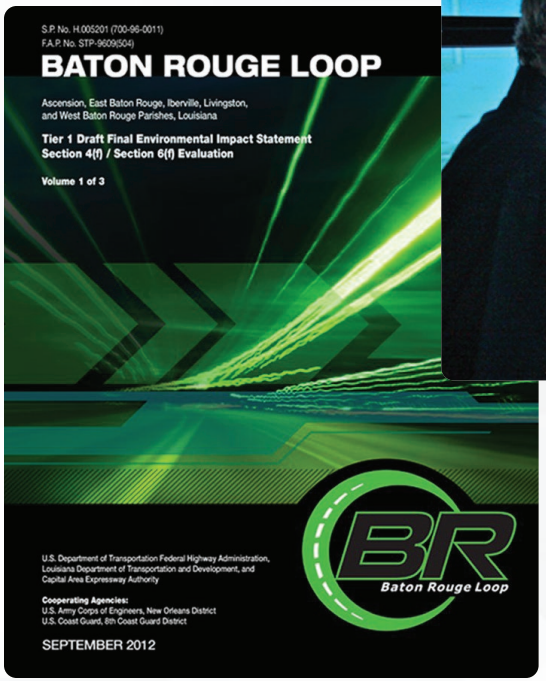
Firm Name	**Marmillion/Gray Media, Inc.**		Past Performance Evaluation Discipline(s)		Other (Public Involvement)
Project Name	**Baton Rouge Loop Tier 1 EIS**		Firm Responsibility		Subconsultant
Project Number	CAEA No.: E-2009-001	Owner's Name	East Baton Rouge Parish/Capital Area Expressway Authority		
Project Location	Capital Region (5 parishes)	Owner's Project Manager	Bryan Harmon (retired, EBR DPW) • Fred Raiford		
Owner's Address, Phone, Email	PO Box 1471, Baton Rouge, LA 70821 • 225.389.3158 • fraiford@brla.gov				
Services Commenced by This Firm	02/09	Total Consultant Contract Cost ($1,000's)		N/A	
Services Completed by This Firm	03/16	Cost of Consultant Services Provided by This Firm ($1,000's)		$291	

Marmillion/Gray provided public involvement services for the Baton Rouge Loop project throughout the five Capital Region parishes; stakeholder and advisory committee coordination; media relations; database management; production of project newsletters, videos and presentations; managing public meetings, hearings and comment periods. We assisted with ongoing elected official briefings, and presentations to the Capital Region legislative delegation, stakeholders, advocacy groups and the FHWA. The project included the study of potential Mississippi River crossings.

Team Members: Rannah Gray, Sarah Powell

Relevance to LADOTD

- Public Involvement and Outreach
- Media Relations
- Public Meetings/Public Hearings
- Stakeholder Engagement
- Local elected Official Outreach and Coordination



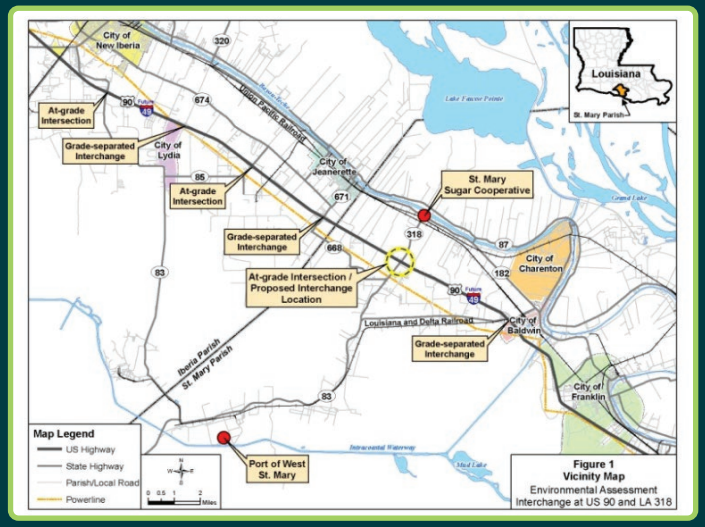
AECOM Technical Services, Inc.

Section 18

Interchange for US 90/ LA 318 Environmental Assessment, Route US 90

AECOM prepared an EA for a proposed interchange on US 90 at LA 318. The team developed three conceptual interchange layouts, in addition to:

- Environmental inventory and GIS
- Cultural resources survey
- Conceptual Stage Relocation Plan
- Traffic Report and Highway Noise Report
- Preparation of conceptual engineering plan and profile drawings for two interchanges

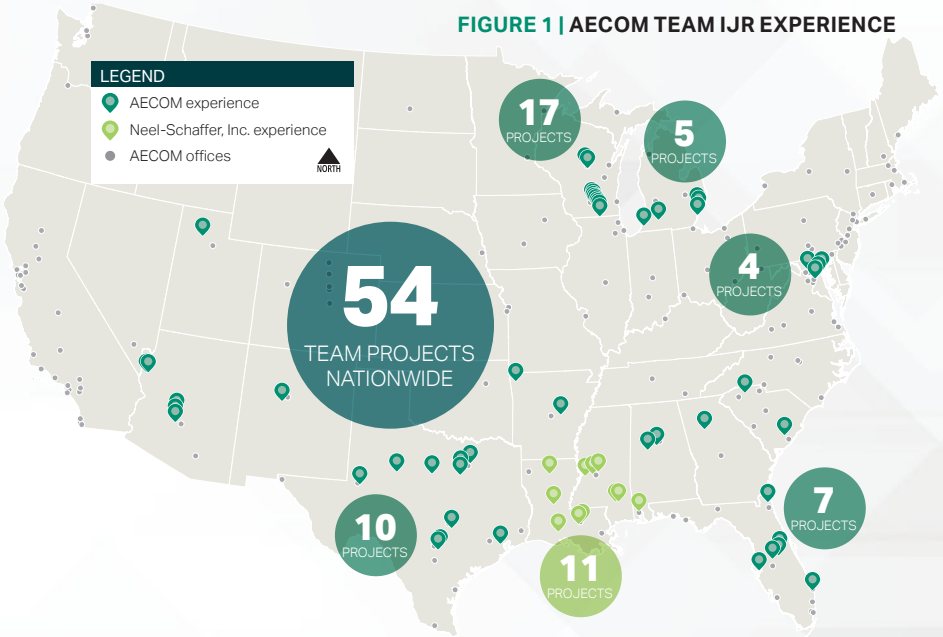


18. Approach and Methodology

The potential realignment of Louisiana Highway 429 (LA 429) and new interchange on Interstate 10 (I-10) is viewed as an important improvement for Ascension Parish and the region. This megaproject would provide a link to I-10 for various industrial sites along the Mississippi River, along and to the west and south of LA 30, as well as a needed additional access point to relieve traffic in Gonzales. The project has been identified as a much-needed route in the Capital Region Planning Commission's MOVE 2042 Long Range Transportation Plan. ***The project is also identified in the Ascension Parish Transportation Master Plan in its Program 1 (most important) group of capacity improvement and new roadway projects. This corridor could also play a vital role in regional connectivity, depending on the selected site of the new, proposed Mississippi River Bridge.***

The AECOM team is ideal for this type of undertaking, having led numerous similar projects resulting in new Interstate interchanges and roadway connections. Together, the AECOM team members have completed dozens of Access Justification Reports (AJRs), Interchange Justification Reports (IJRs), National Environmental Policy Act (NEPA) studies, and roadway plan sets. Most of the team and all the task leads have worked on similar projects in Ascension Parish and for LADOTD. **Figure 1** shows our team's national IJR experience. Staff resumes show the IJR experience of the staff assigned to this project.

FIGURE 1 | AECOM TEAM IJR EXPERIENCE



LA 429 is an existing two-lane route that links to LA 73 and Airline Highway in central Ascension Parish. Starting at LA 73, LA 429 travels eastward with a rural two-lane cross-section, serving residential and some industrial land uses. LA 429 crosses under I-10 and over the New River Canal, continuing along the south bank of the New River Canal from I-10 to West Main Street. This section is two lanes with horizontal curves and minimal shoulders.

The project generally has three distinct segments:

- A new alignment linking I-10 to LA 30 and LA 73
- The new I-10 interchange
- An upgrade of the existing LA 429 from I-10 to US 61

The proposed alignment of LA 429 is anticipated to depart from the existing alignment, to the east of I-10, travel on a new route to a new interchange on I-10 south of the existing LA 429 crossing, then terminate near the intersection of LA 73 and LA 30. The proposed roadway modifications and interchange requires two studies to determine the potential impacts of these improvements — an environmental document and an IJR.

These two distinct documents are interrelated throughout the project development process, and also interactively related to the Traffic Engineering Process and Report (TEPR) guidelines. The IJR will look at the traffic safety, operations, and engineering acceptability of the proposed interchange and connected routes. The IJR development will follow LADOTD's guidelines. The environmental study will consider the social, economic, and environmental impacts of the proposed alternatives, following NEPA processes. These two pieces will work hand-in-hand in the development of the documentation to quantify the project's operational and environmental impacts. The IJR will be developed in accordance with updated FHWA policy on Changes in Access to the Interstate System issued May 17, 2022, as well as the DOTD Engineering Directives and Standards Manual (EDSM) No: I.4.3.2. and EDSM No: VI.1.1.2.

SCOPING, KICK-OFF, PROGRESS, & MILESTONE MEETINGS

The scoping process will help set the stage for AECOM to understand DOTD's vision and to right-size the environmental, public engagement, and other efforts. Scope development will build the foundation for a system of communication that will commence here and continue throughout the entire project. Once the scope is finalized and a Notice to Proceed has been issued, the AECOM project manager will reach out to the Traffic Engineering Division to request a kickoff meeting, which will include the AECOM project manager and task leads; LADOTD staff, including representatives from Traffic Engineering, District 61, Highway Safety, Environmental, Road Design, Bridge Design; and staff from Ascension Parish and the City of Gonzales.

A schedule of the project's anticipated workflow is presented at the end of this approach (see **Figure 3**). At each project milestone, meetings with LADOTD staff, and other stakeholders as appropriate, will be held to report the progress made and to discuss needed decisions or anticipated risks that require timely resolution to maintain schedule or to better manage resources.

TRAFFIC DATA COLLECTION

The AECOM team will review the traffic data provided by LADOTD to determine if there are any gaps that may require the collection of additional data. Due to the number of adjacent studies, it may not be necessary to collect additional traffic data. If required, AECOM will coordinate with LADOTD to discuss a data collection plan. Upon approval of said data collection plan, AECOM will deploy traffic counters into the field. Otherwise, if the data provided by LADOTD is sufficient, AECOM will review the data and develop documentation to discuss the peak periods for each count, to determine if there are regional peak periods or individual route peak periods. The information will be provided to DOTD as Appendix A, for review and approval.

If it is found that no change is required from the traffic data previously collected, it may be that Appendix B can be submitted, shortly following Appendix A. The AECOM team will process the data, creating count volumes and final (count + demand) volumes with updated no build and build horizon years. These volumes will be developed and displayed in an easy-to-read-and-follow map. AECOM will also review the proposed growth rate, reviewing the regional Travel Demand Model (TDM) and with special consideration of potential industrial growth along the LA 30 corridor and the 600-acre Buzzard Roost project.

FIGURE 2 | PROJECT OVERVIEW

1. Proposed River Crossing Alternative #14
2. To Proposed River Crossing Alternatives #19, #20, #21, #22
3. Proposed River Crossing Alternative #23
4. Proposed River Crossing Alternative #25
5. H.013797 - LA 30 Widening EA
6. Ascension Parish Master Plan (2028 - 2032) Widen LA 74 from LA 73 to Iberville Parish
7. Move Ascension Bluff Road Connector / LA 73 Roundabout at Bluff Road Connector
8. LA 73 Interchange - Shread-Kuyrkendall Design of new overpass
9. Proposed Interchange Location to be studied under H.003771
10. Buchart Horn Stage 0 Realigned LA 429
11. Buchart Horn Stage 0 Proposed Interchange with I-10
12. Buchart Horn Stage 0 LA 429 Connector to LA 73
13. Buchart Horn Stage 0 LA 429 Connector to LA 30

    Move Ascension LA 30 to Buzzard Roost Connector

    Proposed TIP FY 2023 - 2026 Staff Recommendation LA 30 at Buzzard Roost Roundabout
14. H.010960: (LET JUNE 2022) LA 30 Roundabouts at I-10 Ramps and Tanger Entrance
15. H.014507: (LET MARCH 2022) LA 73, Right Turn Lane at LA 75

Once evaluated, the growth rate will be used on the existing volumes to develop a set of design year No Build Volumes. The AECOM team will still plan to deploy to the field to spot check demand, queuing, travel, and geometric observations. Following the conclusion of the data collection phase, AECOM will meet with LADOTD Traffic Engineering to discuss the review of the data provided from previous studies, any gaps or issues identified, and solutions on how to move forward if gaps/issues are identified.

SAFETY AND OPERATIONAL ANALYSIS

The DOTD approval of Chapter 1 and Appendix B signals the start of the Existing and No Build Analysis. The analytical tool used in this phase will be chosen during the scoping process and the kickoff meeting. ***AECOM has a wealth of experience and a depth of staff who are proficient in the use of both HCS and VISSIM, and the team will be available to start work as soon as given the go-ahead by DOTD. Likewise, we also have Neel-Schaffer on our team to provide mesoscopic modeling using its model developed for the Mississippi River Bridge project or can simply apply findings from the mesoscopic modeling done previously for the area.*** The establishment of Existing and No Build operational conditions is key to the next step in the process, the Tier 1 alternative analysis process, which is a high-level assessment of major access points within the study area. It is assumed there would be no less than four Tier 1 matrices developed for the proposed I-10 interchange, the intersection of the western terminus of LA 429, LA 429 at LA 44, and the intersection of LA 429 at Airline Highway. Other intersections may be added to this list, either through the scoping process or during the development of Chapter 1 and Appendices A and B. The Existing and No Build Analysis, along with the documentation of the Tier 1 process, will be packaged as Chapter 2 and Appendix D.

The identification of hot spots, systemic issues, and the general safety performance of routes in the adjacent study area is an important aspect to consider in the development of the proposed project. AECOM will pull crashes from the Crash 1 and Crash 3 database, for 3 to 5 years for review. The outcome of the crash analysis will be collated into Appendix C and submitted to LADOTD for review.

ROAD DESIGN/LINE AND GRADE

The preliminary alternatives were identified during previous studies, such as the Stage 0 study along LA 429 developed by Buchart Horn and the previous IJR work performed by Arcadis, before the project was halted prior to completion. Following the end of the previous IJR project, LADOTD, through internal collaboration, developed an additional alternative for review.

During the scoping process, AECOM will discuss with LADOTD to determine the correct roadway classification for the new LA 429 connector whether that would be an arterial or and expressway style roadway. This will assist in determining the proper design criteria for the new roadway and develop appropriate options for the type of the future interchange which will provide definition to the alternatives analysis process. The number of lanes and design speed will be determined based on the existing traffic speeds and proposed traffic redistribution along the new corridor. As most of the surrounding land uses are suburban or urban in nature, an urban arterial is most likely the best classification unless there is a plan to connect this road to the new Mississippi River Bridge west of I-10. If so, consideration of freeway criteria could be considered in consultation with LADOTD. Multiple classifications may be appropriate for different segments along the alignment.

In determining right-of-way impacts, the project team will also confirm the appropriate cross-sections and potential for sidewalks and bicycle facilities, as appropriate. The Ascension Parish Master Plan states: "The state bicycle plan recommends bicycle improvements to state highways 73, 61, 44, 429, 30 and 22 (Bicycle Long Range Plan: Recommended Bike Facilities. LADOTD)." The Ascension Master Plan shows a separated bicycle lane on LA 429 and LA 73.

Once criteria are developed and the number of lanes are chosen, alignments will be developed using appropriate design criteria to determine an alignment that considers minimizing impacts of adjacent land uses and sensitive natural resources, provides best use of traffic operations, and considers access to the adjacent land and to connecting roadways. We will then consider based on traffic operations, the best interchange type and determine appropriate geometrics to determine the critical geometry.

ENVIRONMENTAL ASSESSMENT

The NEPA study, presumably an Environmental Assessment (EA), will identify sensitive environmental and community resources and inform the analysis to avoid and/or mitigate impacts. A GIS database will be created using existing data sources on socioeconomic, natural, and cultural resources and will inform the traffic and roadway engineers of environmental factors, if further potential alternatives required development. The GIS database will be revised as the study progresses with data from field surveys and the alternatives analysis and will be used to assess environmental impacts and produce exhibits for the expected EA, various technical assessment reports, and public and agency outreach.

According to our initial evaluation, there will not likely be complex environmental challenges, although the right of way is considerably constrained by residential development. There is no apparent area with an Environmental Justice (EJ) population, although the AECOM team is proficient in the related outreach and analysis to assess and minimize impacts to such neighborhoods.

Except for the easternmost 2 miles of existing LA 429, the land use is a combination of agricultural and vacant with scattered settlements, including manufactured housing units. There are commercial and industrial uses closer to LA 30 and along LA 73. The proximity of the interchange to residences will require a noise analysis and potentially barriers or other mitigation.

A former cow pasture, known as Buzzard Roost, is being proposed for new light industrial warehousing and homes by longtime Ascension Parish builder Grady Melancon. The nearly 600-acre property is also being eyed as a future alternative route from I-10 to the west to LA 30 and LA 73.

Preserving highway and roadway capacity for economic development and freight mobility is consistent with LADOTD and Ascension Parish policy. Subject to discussions during scoping, the AECOM team can lead a study of area land use to determine if local changes to plans and zoning ordinances would be helpful in protecting the future capacity of the network. Currently parcels in the study area are zoned as either Medium Intensity residential (RM), which is intended single-family residential development, and Conservation (C), which is intended to 'conserve the major environmental assets of the parish,' although it also allows residential development. The AECOM team has experience implementing land use controls to protect Interchange capacity on behalf of other state DOTs.

The New River is a 24.0-mile-long waterway in Ascension Parish; a branch of the river crosses LA 73 and I-10 and parallels LA 429 east of I-10 for approximately 1.3 miles. Its source is near the Mississippi River in Geismar where the two rivers were once connected before the levees were built. Lack of current has caused sediment to reduce both its depth and width. A wetland delineation must be prepared and submitted to the U.S. Army Corps of Engineers; there is every reason to assume that this waterway could be jurisdictional. There also appears to be man-made waterbodies that could be connected to natural systems. The team will conduct the necessary cultural resources survey of the project area to verify there are no recorded cultural sites that may be affected.

Although this project will not require the level of design focus as has been necessary on the Lafayette Connector and other DOTD projects, the engagement team, led by Rannah Gray, will apply years of DOTD outreach experience to efficiently engage stakeholders and facilitate agreement on a selected alternative. Public and agency engagement will take place at different stages of the project development process, with specific outreach activities at key points to obtain stakeholder input and informed consent. AECOM offers the use of a cutting-edge software for the project; it comes with no additional costs, but provides numerous additional benefits. PlanEngage™ is AECOM's innovative software tool designed to make NEPA and related reports more engaging. The tool includes embedded features like location-based public commenting, before-and-after sliders, and dynamic maps that show more information as the user zooms in. FHWA has approved the use of PlanEngage™ for NEPA documents and has won an award for the I-11 Tier 1 EIS in Arizona, one of the initial applications of this tool.

INTERCHANGE JUSTIFICATION REPORT

The AECOM team members, as they have done before in Louisiana and many other states, will prepare a draft interchange justification report (IJR) in close coordination with the environmental study, the TEPR process, and in accordance with the updated LADOTD and FHWA policy and guidance. We will move forward through agile iterations of roadway design, traffic analysis, impact and cost analysis, all toward the end goal of the IJR. We are very familiar with FHWA's original 8-Policy considerations, and the new, revised requirements. We look forward to helping LADOTD deliver this project, and making it a showcase for efficient and cost-effective project execution.

FIGURE 3 | PROPOSED SCHEDULE

	2023		2024			2025				2026			
	Summer	Fall	Winter	Spring	Summer	Fall	Winter	Spring	Summer	Fall	Winter	Spring
IJR	Scoping / Kick-off				Early Coordination with FHWA				Draft Documents	Engagement and Document Revisions		Federal Approvals
TEPR		Initial Data Collection	Final Data Collection	Existing Safety Analysis	Existing and No-Build Analysis and Meeting	Preliminary Tier 2 Analysis	Final Alternative Analysis	Final Alternatives Analysis and Meeting, Critical Geometry Layouts	Coordination and Additional Assessments As Needed			
NEPA		SOV	Constraints Mapping	Stakeholder Engagement	Additional Existing Conditions Data	Evaluation of Impacts – Avoidance and Minimization			Draft Documents	Engagement and Document Revisions	Federal Approvals	
Design Report		Data Collection and Setup/ Preliminary Design Report	Concept Refinement				Alternatives Refinement		Line and Grade Report	Approval		
Engagement Opportunities												

Section 19

I-10/12 College Flyover Ramp Design-Build

AECOM team member Neel-Schaffer was tasked with modeling the Interstate Modification Report and addressing the FHWA 8 Policy Points. This project improves the safety and flow of traffic between the I-10/I-12 split and College Drive by eliminating lane changes that must occur when I-10 westbound traffic exits at College Drive.

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
AECOM	Road, Bridge	4400004662 H.004367.5	Earhart Expressway to US 61 (Project Canceled)	$215,483
	Traffic	4400004662 H.004367.5	Earhart Traffic Evaluation (Project Canceled)	$27,990
	Bridge	4400021593 H.009859.5	Bridge Load Rating	$2,226,557
	Environmental, Bridge, Planning, Road, Traffic	4400004128 H.004273.5	I-49 Connector	$1,610,875
	Bridge	4400023921 H.001970.5	LA 561 Boeuf River Bridge	$267,079
NEEL-SCHAFFER Solutions you can build upon	Planning	736-99-1548	Travel Demand Model Support Services Statewide	$56,237
	ITS	440005459 H.004780.5	Kansas Lane Connector	$5,644
	Traffic	4400010428 H.004774 H.007300.6	Kansas Lane, Garrett Road Connector and I-20 Improvements	$3,501
	ITS	4400010428 H.004774.5 H.007300	Kansas Lane, Garrett Road Connector and I-20 Improvements	$4,292
	Road	4400013850 H.009290.5	LSU Lab School SRTS Project	$15,000
	Planning	4400015733 H.972374.1	Local Public Agency Documented Planning Process, Statewide	$230,393
	Road	4400017293 H.010616	I-20: LA 544 Overpass Replacement	$26,300
	ITS	4400016364 H.013256.6	ITS: I-10 ITS Scott to Lake Charles Technical Support Services During Construction	$17,369
	ITS	4400016364 H.011504.5	Alexandria ITS Phase 2	$115,241
	Traffic	44-17438 H.013284	MRB South GBR: LA 1 to LA 30 Connector, Ascension, EBR, Iberville & WBR	$21,269
	Traffic	4400013850 H.014579.5	FYA Signal Improvements (LCG)	$0

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 Solutions you can build upon	Traffic	4400013850 H.013622.5	LRSP Ardenwood Drive Road Diet	$11,979
	Traffic	4400018271 H.014746.1	LA 383 Corridor Study	$25,320
	Planning	4400018271 H.014746.1	LA 383 Corridor Study	$83,976
	Road	4400013850 H.013751	Downtown Greenway LA Connector	$0
	Road	4400013850 H.013770	LSRSP Signing and Striping, Iberia Parish	$0
	Safety	440023689 H.015148.5	District 03 Safety Investment Plan	$282,914
	Planning	4400021094	Update Statewide Transportation Plan and Travel Demand Model	$316,294
	Safety	4400023689 H.015227.5	US 61 at Victoria Drive Pedestrian Crossing	$111,462
	Traffic	4400026458 H.014710.5	Cedar Street Extension to LA 22 and Roundabout	$169,073
	Road	4400013850 H.015011.5	Local Road Striping & Signing (Ascension)	$3,759
Coastal Environments, Inc.	Environmental	4400012084. H.005121.2	LA 1/LA 415 Connector	$59,670
	Environmental	4400012084. H.000358.5	US 190 at LA 415: Lobdell Interchange	$107,539
	Environmental	4400012084. H.003931	16CU128 Site Delineation and Vibracoring	$53,640
	Environmental	4400005787 H.005720.2	Florida Avenue Expressway	$60,980
	Environmental	4400007959 H.008915.2	LA 3234 Extension from LA 1065 to Hammond Airport	$798
	Environmental	4400007175 H.011328.2	I-49 South Ricohoc to Berwick	$336,188

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
The Lakvold Group, LLC	Other (Real Estate Appraiser)	H.004100	I-10: LA 415 to Essen on I-10 and I-12, East Baton Rouge Parish	$179,000
Marmillion/Gray Media	Other (Public Involvement)	4400015733 H.972374.1	Local Public Agency Documented Planning Process – Statewide	$60,302
	Other (Public Involvement)	4400021094 79436 (HNTB)	Update Statewide Transportation Plan	$55,867
	Other (Public Involvement)	4400022830 061334000 (Kimley-Horn)	LADOTD Americans with Disabilities Act (ADA) Transition Plan Update, Phase 1 – District 3 Pilot Study	$61,470

Sections 20-23

***Engineering News-Record* Magazine 2023 Ranking**

AECOM has been ranked in the top two among *Engineering News-Record* magazine's Top 500 Design Firms since 2010 and No. 1 in Transportation since 2001.

20. Certifications/Licenses

MPR 1: Jonathan McDowell, PE

Certificate of Completion

presented to

Jonathan McDowell

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: September 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

Jonathan McDowell

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: September 17, 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 McDowell

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

LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.
666 North Street – Baton Rouge, LA 70802
Phone: 225/344-0432 * Fax: 225/344-0458
www.lagc.org

June 6, 2023

To Whom It May Concern,

This is to verify that the below listed employees of AECOM have successfully completed LADOTD required ATSSA Traffic Control Training.

ATSSA Traffic Control **Technician and Supervisor Training** – May 16-18, 2023 – Daniel Helms

ATSSA Traffic Control **Supervisor Refresher** Training – May 17, 2023 – Gregory Trahan and Jonathan McDowell

This letter will serve as temporary proof of training until above listed employees receive their official certificates from American Traffic Safety Services Association (ATSSA).

If there are any questions regarding this issue, please contact Mr. Brett Morgan of LADOTD at Headquarters in Baton Rouge, LA (225-379-1584) or Michael Demouy at the above captioned address.

Best Regards,

Ken Naquin - LAGC Chief Executive Officer

U.S. Department Of Transportation
Federal Highway Administration

National Highway Institute

NHI NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Jonathan McDowell

has participated in

NHI Course No. 142005 –
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: **January 10-12, 2012**
Location: **Baton Rouge, LA**
Hours of Instruction: **18**

Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute

MPR 2, 3: Derek Chisholm

Certificate of Completion

presented to

Derek Chisholm

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
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Derek Chisholm

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

Derek Chisholm

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

U.S. Department of Transportation
Federal Highway Administration

NHI
NATIONAL HIGHWAY INSTITUTE

National Highway Institute

Certificate of Training

Derek Chisholm

has participated in

FHWA-NHI-142005 NEPA and Transportation Decision-Making

hosted by

Tennessee Department of Transportation TDOT

Date: November 4-6, 2014
Location: TDOT Region 1, Knoxville

Hours of Instruction: 18 hours

Instructor

Local Coordinator

Instructor

Valerie Briggs, Director
National Highway Institute

MPR 5: David Kelley, PhD

University of Nevada, Reno
Heritage Resources Management Program

This will verify that

David Kelley

has successfully completed

Introduction to Section 106 Review

Austin, Texas
March 6 - 7, 2002

Associate Vice President & Dean, College of Extended Studies

Instructor

Program Director

MPR 5: Joanne Ryan, MA

This is to certify that

Joanne Ryan

has completed the
National Preservation Institute seminar

Section 106: An Introduction

Baton Rouge, LA • March 7-9, 2006

Executive Director, National Preservation Institute

March 9, 2006
date

MPR 7: Gregory Trahan, PE, RSP$_1$

Certificate of Completion

presented to

Gregory Trahan

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

Gregory Trahan

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

Gregory Trahan

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

LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.
666 North Street – Baton Rouge, LA 70802
Phone: 225/344-0432 * Fax: 225/344-0458
www.lagc.org

June 6, 2023

To Whom It May Concern,

This is to verify that the below listed employees of AECOM have successfully completed LADOTD required ATSSA Traffic Control Training.

ATSSA Traffic Control **Technician and Supervisor Training** – May 16-18, 2023 – Daniel Helms

ATSSA Traffic Control **Supervisor Refresher** Training – May 17, 2023 – Gregory Trahan and Jonathan McDowell

This letter will serve as temporary proof of training until above listed employees receive their official certificates from American Traffic Safety Services Association (ATSSA).

If there are any questions regarding this issue, please contact Mr. Brett Morgan of LADOTD at Headquarters in Baton Rouge, LA (225-379-1584) or Michael Demouy at the above captioned address.

Best Regards,

Ken Naquin - LAGC Chief Executive Officer

MPR 8: Daniel Helms, PE, PTOE, RSP 12

Certificate of Completion

presented to

Daniel Helms

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

Daniel Helms

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

Daniel Helms

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

LOUISIANA ASSOCIATED GENERAL CONTRACTORS, INC.
666 North Street – Baton Rouge, LA 70802
Phone: 225/344-0432 * Fax: 225/344-0458
www.lagc.org

June 6, 2023

To Whom It May Concern,

This is to verify that the below listed employees of AECOM have successfully completed LADOTD required ATSSA Traffic Control Training.

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This letter will serve as temporary proof of training until above listed employees receive their official certificates from American Traffic Safety Services Association (ATSSA).

If there are any questions regarding this issue, please contact Mr. Brett Morgan of LADOTD at Headquarters in Baton Rouge, LA (225-379-1584) or Michael Demouy at the above captioned address.

Best Regards,

Ken Naquin - LAGC Chief Executive Officer

MPR 8: Nick Ferlito, Jr., PE, PTOE

Certificate of Completion

presented to

Nick 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

Nick 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

Nick 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

Charles Adams, PE, PTOE

Certificate of Completion

presented to

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

Certificate of Completion

presented to

Charles Adams

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

Charles Adams

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

Santosh Andem, PE, PTOE

Certificate of Completion

presented to

Santosh Andem

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

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: August 6, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Santosh Andem

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 18, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Kordel Braley, PE, PTOE

Congratulations! Kordel Braley

You have completed

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

Date: August 17-18, 2022
Location: Baton Rouge, Louisiana
Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Jonathan Duhe, PE, PTOE, RSP[1]

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*

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*

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*

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Kirk Gallien, PE, PTOE

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*

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*

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*

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Ellen Burke Howard, PE, PTOE, RSP1

Certificate of Completion

presented to

Ellen B. Howard

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

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

Certificate of Completion

presented to

Ellen Howard

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

Angela Lemoine-Lakvold, MAI, SRA, R/W-AC

MEMBERSHIP CERTIFICATE

This Certifies That

Angela Lemoine-Lakvold

has been admitted to membership as an

MAI Member

in the Appraisal Institute and is entitled to all the rights and privileges of membership subject only to the limiting conditions set forth from time to time in the Bylaws and Regulations of the Appraisal Institute.

In Witness Whereof, the Board of Directors of the Appraisal Institute has authorized this certificate to be signed in its behalf by the President, and the Corporate Seal to be hereunto affixed on this 13th day of June, 1995.

APPRAISAL INSTITUTE

APPRAISAL INSTITUTE

MEMBERSHIP CERTIFICATE

This Certifies That

Angela Lemoine

has been admitted to membership as an

SRA Member

in the Appraisal Institute and is entitled to all the rights and privileges of membership subject only to the limiting conditions set forth from time to time in the Bylaws and Regulations of the Appraisal Institute.

In Witness Whereof, the Board of Directors of the Appraisal Institute has authorized this certificate to be signed in its behalf by the President, and the Corporate Seal to be hereunto affixed on this 15th day of January, 1993

Patricia J. Marshall

PRESIDENT

The International Right of Way Association

R/W-AC CERTIFIED

Hereby certifies that

Angela Lemoine-Lakvold, R/W-AC

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

Right of Way - Appraisal Certified

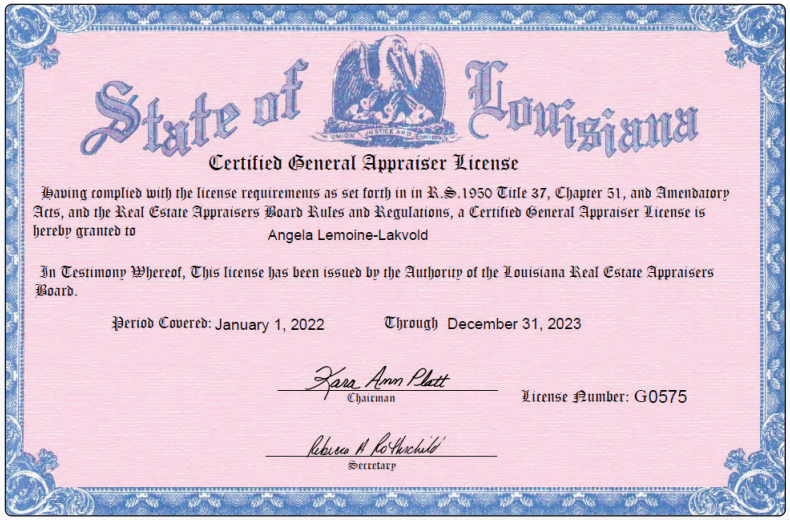
Certified: 01/01/2012

Recertification Due: 01/01/2027

Judy Jones , SR/WA
International President

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

IRWA BUILDING A BETTER WORLD TOGETHER



State of Louisiana

Certified General Appraiser License

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

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

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

Kara Ann Platt
Chairman

License Number: G0575

Rebecca A. Rothschild
Secretary

RTA

DOTD

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program (DBE)

Small Business Element (SBE)

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

Lakvold Group, LLC

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

NC531320

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

Certificate Eligibility: July 2022 to July 2023

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

Rhonda Wallace

Rhonda Wallace, DBE/SBE Programs Manager

Louisiana Department of Transportation & Development

Chris McKown, PE

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Chris McKown
has attended
Traffic Control Supervisor-LA State Specific
Training Course

4/27/2022 to 4/27/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Chris McKown
has attended
Traffic Control Technician-LA State Specific
Training Course

4/26/2022 to 4/26/2026
Training Valid Through

Director of Training

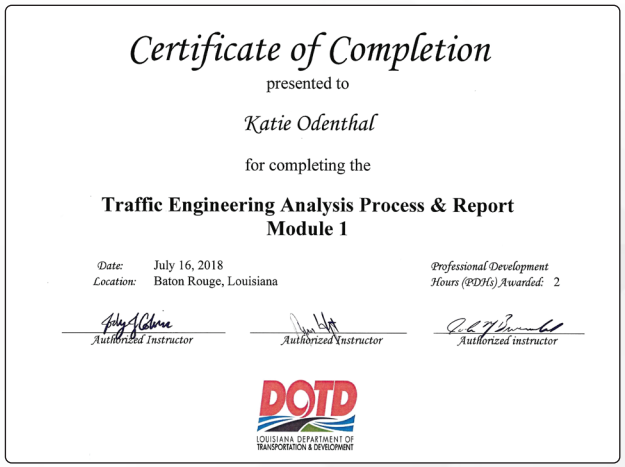
Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

Katie Odenthal, PE, PTOE



Certificate of Completion

presented to

Katie Odenthal

for completing the

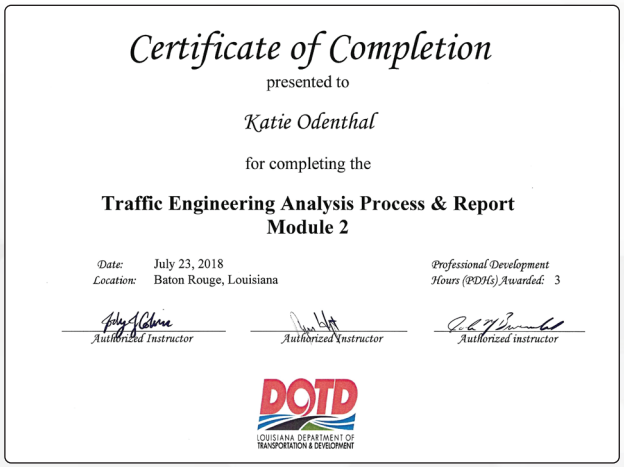
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Katie Odenthal

for completing the

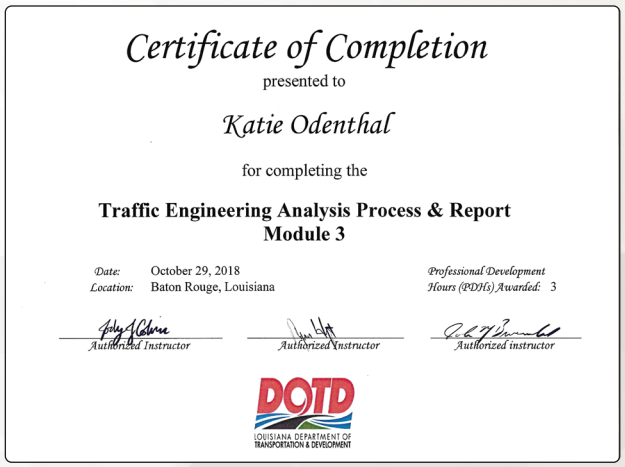
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized Instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



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 LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Ramya Rayapureddy

Certificate of Completion

presented to

Ramya Krishna Rayapureddy

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 LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Ramya Krishna Rayapureddy

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

Ramya Krishna Rayapureddy

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: March 30, 2022
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

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

Dishili Young, PE, PTOE

Certificate of Completion

presented to

Dishili Young

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 LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Certificate of Completion

presented to

Dishili Young

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

Dishili Young

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

21. QA/QC Plan

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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
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23. Location

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