

AECOM has performed complex bridge inspections on the Crescent City Connection Bridge, including CE&I services.

AECOM

PROPOSAL FOR

IDIQ Contract for Engineering and Technical Support Services for Critical Projects Statewide

CONTRACT NOS. 4400029195, 4400029196, AND 4400029197

Louisiana Department of Transportation and Development June 20, 2024

Delivering a better world



AECOM
8555 United Plaza Blvd., Suite 300
Baton Rouge, LA 70809
aecom.com

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

June 20, 2024

Ref: Contract Nos. 4400029195, 4400029196, and 4400029197 • IDIQ Contract for Engineering and Technical Support Services for Critical Projects Statewide

Dear Members of the Selection Committee:

AECOM Technical Services, Inc. (AECOM), is pleased to present its qualifications for an indefinite delivery/indefinite quantity contract to provide engineering and technical support services for critical projects authorized by the Louisiana Department of Transportation and Development. Our team is organized to be proficient and efficient in providing the advertised services, and we would be proud to once again serve DOTD in realizing your vision for your critical projects. The AECOM team offers the expertise, resources, and vision to deliver successful outcomes that meet your goals. Our commitment to DOTD can be summarized in one word: **RESPONSIVENESS.**

Our team is structured to be scaled and tailored to meet the needs of each task. We offer the following key advantages for delivering DOTD's critical projects:

Local Point of Contact. Our local project manager, **Jonathan McDowell, PE**, will be the local point of contact, available to assist you in developing the right team and scope for each task. The AECOM office is located within 20 minutes of the DOTD office, and our team is ready to assist at a moment's notice. Jonathan has over 20 years experience in the design and construction of large, complex urban infrastructure projects throughout the Louisiana for a variety of clients. His experience with varying delivery methods includes traditional design-bid-build, design-build, and construction manager at-risk. With 20 years of experience at AECOM, he is in regular contact with experts throughout the organization who can provide specialized guidance on just about any subject. Jonathan has also worked with several of the proposed subconsultants on projects or connected with them through professional organizations. He will maintain a directory of team staff that includes the subject matter experts and task leaders identified in our proposal.

Experienced Alternative Delivery Leaders with Local and National Reach. Supporting Jonathan will be **Kent Dussom, PE**, and **Charlie Stein, PE**. Kent is one of AECOM's most experienced alternative delivery procurement specialists who has managed several DOTD projects and started the Louisiana chapter of the Design-Build Institute of America. A resident of Covington, Kent is extremely responsive and only an hour away from DOTD headquarters. Charlie brings 21 years of diverse experience that ranges from project-level scoping, program management, and bridge inspections to design and delivery of projects. He previously managed the Innovative Contracting Unit at the Michigan Department of Transportation (MDOT). In this role, Charlie was responsible for overseeing contract procurements for alternative delivery projects, including design-build, construction manager/general contractor (CMGC), alternative technical concepts (ATCs), fixed price - variable scope (FPVS), and public-private partnership (P3) projects. He also managed and served as a key resource for the development and delivery of MDOT's innovative projects and programs.

Prudent Engagement of Experienced Subject Matter Experts (SME). An IDIQ contract with such a broad scope as this one requires a broad team that can perform just about any task needed to support DOTD's project managers. AECOM proposes subject matter experts (SMEs) who align with every scope item listed in the Scope of Services for this RFQ. While many of our SMEs are internal to AECOM, we have also partnered with local and regional subconsultants who have worked with both AECOM and DOTD on past projects. To expedite scoping and performing assignments, our project manager will have direct access to SMEs through Microsoft Teams and a project directory based on the organization chart. Whether the situation calls for a consultation phone call about a specialized issue or a larger assignment to provide ongoing support or prepare procurement documents, the AECOM team can engage and mobilize SMEs effectively and efficiently to assemble the right team to perform the task at hand.

Efficient Procurement of Task Orders. When you're ready, we're ready! A common delay at the start of many projects is the procurement process. On larger projects, getting the contracts fully executed often takes more time than expected. To mitigate these potential delays, AECOM has a special procurement team that allows the project manager to focus on the project scope. Our procurement team will handle the administrative tasks, including working with our subconsultants to get them engaged quickly. Many of our subconsultants already have Master Service Agreements (MSAs) with AECOM through prior projects. For ones that do not, we are working through the procurement process now to expedite the process to have a MSA in place prior to the issuance of a task order so we can expedite the procurement process. That way, we can hit the ground running.

A Deep Pool of Local and Nationwide Resources. AECOM has deep roots in Louisiana, maintaining continuous operations since 1970. Currently, AECOM has more than 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 — one of our centers of excellence for transportation — with more than 75 staff. In addition to our local Louisiana operations, AECOM is a global engineering firm with extensive experience designing and implementing complex urban transportation projects throughout the United States and abroad, with experience working for owners, developers, and design-builders of alternative delivery projects. This provides us with a unique perspective when it comes to developing procurement packages and preliminary designs.

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

Yours sincerely,

AECOM Technical Services, Inc.



Jonathan McDowell
Associate Vice President and Project Manager
504.450.9904 • jonathan.mcdowell@aecom.com

Sections 1-11



Sam Houston Tollway, Houston, TX

The Sam Houston Tollway project involved expanding a toll facility, including widening the freeway, converting existing two-way frontage roads to one-way traffic, and reconfiguring entrance and exit ramps.

AECOM's design work included approximately 1.3 miles of toll lane widening, an additional exit ramp design, bridge widening over Tanner Road, construction phase traffic control plans, signing and pavement marking, utility coordination, and construction cost estimates. We analyzed the existing storm sewer system to confirm capacity for roadway expansion and implemented storm sewer modifications based on the analysis and stormwater pollution prevention plans.

DOTD FORM: 24-102

Contract Nos. 4400029195,
4400029196, and 4400029197

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.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1. Contract Name as shown in the advertisement	IDIQ CONTRACT FOR ENGINEERING AND TECHNICAL SUPPORT SERVICES FOR CRITICAL PROJECTS STATEWIDE
2. Contract Number(s) as shown in the advertisement	Contract Nos. 4400029195, 4400029196, and 4400029197
3. State Project Number(s), if shown in the advertisement	NA
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 Blvd., 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 Blvd., 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..

Jason D. McDull

Signature above shall be the same person listed in Section 9:

Date:

June 20, 2024

- Received Q&A, dated May 31, 2024
- Received Addendum 1, dated June 6, 2024

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)' %:

Marrero, Couvillion, & Assoc. 3.40%
 Vectura Consulting Services, LLC 5.95%

Sections 12-13

I-395 Express Lanes Extension Design-Build, Arlington, VA

AECOM served as lead designer for the DB team to provide engineering services for all aspects of design to include roadway, drainage, bridge, sound barriers, MOT, utility relocations, ITS, lighting, signs, signals, and pavement markings. AECOM was the lead engineering firm on this 8-mile extension of the existing Express Lanes project.

This challenging project entailed construction within a restricted area along one of the most heavily traveled and congested corridors in the country. This project converted the two existing HOV lanes on I-395 to three High Occupancy Toll (HOT) lanes. The project also included improvements to the Pentagon South Parking Lot and the Eads Street Interchange, the I-395 widening for southbound I-395 between Route 236 (Duke Street) and Route 648 (Edsall Road), the repair of several bridges along I-395, and the construction of sound barrier walls along much of the project corridor.



12. Past Performance Evaluation Discipline Table:

As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for each past performance evaluation discipline, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify).



Past Performance Evaluation Discipline(s)	% of Overall Contract	AECOM	Ardaman & Assoc.	CH Fenstermaker, Inc.	Coastal Env., Inc.	Gresham Smith, Inc.	KPMG	Lazenby & Assoc., LLC	Marrero, Couvillion & Assoc.	RS&H	SJB	Terracon	Trinity Tree Consultants	Vectura Consulting Services, LLC	Each Discipline must total to 100%
Road	20.00%	50.00%	0.00%	15.00%	0.00%	20.00%	0.00%	15.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Bridge	20.00%	98.00%	0.00%	0.00%	0.00%	2.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Traffic	7.00%	15.00%	0.00%	0.00%	0.00%	70.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	15.00%	100%
Geotech	2.50%	4.00%	96.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Survey	7.50%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Environmental	6.00%	25.00%	0.00%	10.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	13.00%	2.00%	0.00%	100%
Data Collection	4.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	100%
Planning	15.00%	75.00%	0.00%	0.00%	0.00%	0.00%	10.00%	0.00%	0.00%	15.00%	0.00%	0.00%	0.00%	0.00%	100%
Right of Way	2.50%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
CPM	2.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
ITS	3.00%	70.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	30.00%	100%
Other - SUE Services	3.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	100%
Other - Roadway Lighting	3.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Other - Aesthetic Lighting	2.00%	80.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	20.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Other - Tolling	2.00%	100.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.															
Percent of Contract	100.00%	51.20%	2.40%	8.60%	3.00%	9.30%	1.50%	8.00%	3.40%	2.25%	3.50%	0.78%	0.12%	5.95%	100%



13. Firm Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (please specify)" and include the classification title inside the parentheses.





The DOTD Job Classification(s) to be used can be found at the following link:

http://wwwsp.dotd.la.gov/Inside_DOTD/Divisions/Engineering/CCS/Job_Qualification/Job%20Classifications%20with%20Descriptions.pdf

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Administrative	3	6
	Biologist/Wetlands	2	5
	CAD Technician	5	8
	Engineer	12	16
	Engineering Aide	2	3
	Engineer – Other	3	7
	Environmental Manager	3	5
	Environmental Professional	1	4
	Engineer Intern	12	16
	Principal	3	5
	Senior Technician	5	7
	Supervisor – Engineer	8	12
	Supervisor – Other	11	14
	Technician	3	5
	Administrative	1	1
	Clerical	1	2
	Engineer	2	4
	Engineer Intern	3	6
	Principal	2	2
	Senior Technician	7	9
	Supervisor – Engineering	3	3
	Supervisor – Other	2	2
	Technician	10	14

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
 C. H. Fenstermaker & Associates, L.L.C.	Administrative	0	1
	Archaeologist	0	1
	CADD-Operator	0	3
	Clerical	0	2
	Computer Analyst	0	1
	Engineer	8	12
	Engineer Intern	0	10
	Environmental Pro	0	2
	GIS Analyst	0	5
	Inspector	0	3
	Inspector – Certified	0	2
	Inspector - Lead	0	2
	Instrument Man	0	7
	Party Chief	0	14
	Planner	0	1
	Principal	0	3
	Professional	0	2
	Rodman	0	2
	Senior Technician	0	8
	Supervisor – Eng	3	3
Supervisor – Other	0	1	
Surveyor	0	5	
Technician	0	11	
	Biologist/Wetlands	1	3
	Environmental Professional	1	2
	Environmental Manager	1	1
	Supervisor—Other	5	7

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Clerical	1	1
	Engineer	3	8
	Engineer Intern	3	8
	Principal	1	1
	Professional	1	4
	Senior Technician	2	6
	Supervisor-Engineer	3	6
	Other (Financial/Commercial)	3	250
	Accountant	0	1
	CADD Drafter	1	2
	CADD Technician	2	3
	Clerical	0	2
	Engineer	3	6
	Engineer Intern	2	2
	Inspector	0	2
	Inspector Certified	0	2
	Instrument Man	2	2
	Party Chief	2	2
	Principal	1	1
	Rodman	2	3
	Supervisor Engineer	2	3
	Surveyor	1	1
	Technician	1	2
		Engineer	2
Principal		1	1
Supervisor Engineer		1	1
	Other (Risk Management)	2	2
	Other (Tolling Support)	1	4

Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total number of personnel available in this DOTD Job Classification (if needed)
	Accountant	0	1
	Administrative	0	2
	CADD Operator	1	2
	Engineer	1	4
	Instrument Man	0	4
	Landscape Architect	0	1
	Party Chief	2	3
	Principal	1	1
	Professional	1	2
	Senior Technician	3	4
	Supervisor – Engineer	1	1
	Supervisor – Other	1	2
	Surveyor	0	1
	Technician	1	1
	Inspector - Lead	5	8
	Environmental Pro	3	3
	Technician	1	1
	Clerical	1	1
	Engineer	3	3
	Engineer Intern	2	2
	Inspector	1	1
	Senior Technician	1	1
	Supervisor-Eng	2	2
	Supervisor-Other	1	1

Sections 14-15

Wisconsin DOT Program Support for Implementation of Alternative Contracting, Design-Build Procurements

AECOM has played a crucial role in assisting WisDOT in developing a design-build procurement process for transportation projects in Wisconsin.

Our key contributions include developing WisDOT-specific templates for design-build contract documents, evaluating project screening tools to assist WisDOT in selecting a preferred tool, and developing and conducting outreach workshops for stakeholders, including FHWA, agencies, contractors, and engineering firms, to present an overview of the Design-Build process.

One of the projects in this program, pictured to the right, is the 130/133 Lone Rock Bridge Construction.



Louisiana Department of Transportation and Development

Legend
 (#) MPR Staff
 ♦ ATSSA Certified
 ◆ Traffic Engineering Modules
 * PE Not Registered in LA

AECOM PROJECT MANAGER
 Jonathan McDowell, PE (1, 2, 3) ♦ ◆

PLANNING AND ADVISORY SERVICES

- 1 Alternative Delivery Technical Services**
Procurement • Technical Advisory • Performance Specifications
 - Charlie Stein, PE*, DBIA
- Procurement/Alternative Delivery Advisory Services**
 - Aaron Flautt, PE*
 - Kent Dussom, PE, DBIA
 - Patrick Hays, PE*
 - Bryan Kendro (RS&H)
 - Chris Schaeffer, PE* (RS&H)
- 2 Project Management and Support**
Project Management • Value Engineering • Cost-Risk Schedule Assessments • PMPs • Initial Financial Plans • Grant Applications and Agreements • Miscellaneous Project Agreements
 - Eric Jones
- Value Engineering**
 - Phil Vogelsang, PE*
 - Tammy Dow, PEng*, CVS
 - Charlie Stein, PE*, DBIA
- CPM Scheduling**
 - Matthew Freih, PE, PSP
 - Steven Gubernot
 - Frank Perricelli, PE, PSP
 - Steve Hurst
- Cost-Risk-Schedule Assessments**
 - Tuna Tanriovier
 - Dean El-Baz, PE* (RS&H)
 - Andrew Keetley, PE* (RS&H)
 - Bryan Kendro (RS&H)
- Initial Financial**
 - Guy Wilkinson (KPMG)
 - Justin Clarke (KPMG)
 - John Aguilar (KPMG)

- Grant Applications and Agreements**
 - Lincoln James
 - Toni Horst, PhD
- Project Management Plans**
 - John Perez, PE*, CFM
- 5 Traffic Engineering and Design Services – Analysis and Reports**
 - Kordel Braley, PE, PTOE (5) ♦ ◆
 - Peter Bakhit, PE*, PhD ♦
 - Bonnie Dial, PE*, PTOE ♦
 - Herbert "Bert" Moore II, PE, PTOE (GS) (5) ♦ ◆
 - Laurence Lucius Lambert, II, PE, PTOE, PTP (V) ♦ ◆
 - Alben Cooper, III, PE, PTOE (GS) ♦
 - Rebecca Murray, PE, PTOE, RSP₁ (GS) ♦
- Modeling/Analysis/Studies**
 - Kordel Braley, PE, PTOE (5) ♦ ◆
 - Peter Bakhit, PE*, PhD ♦
 - Bonnie Dial, PE*, PTOE ♦
 - Herbert "Bert" Moore II, PE, PTOE (GS) (5) ♦ ◆
 - Laurence Lucius Lambert, II, PE, PTOE, PTP (V) ♦ ◆
 - Alben Cooper, III, PE, PTOE (GS) ♦
 - Rebecca Murray, PE, PTOE, RSP₁ (GS) ♦
- IJR/AJR Requests**
 - Kordel Braley, PE, PTOE (5) ♦ ◆
 - Herbert "Bert" Moore II, PE, PTOE (GS) (5) ♦ ◆
 - Laurence Lucius Lambert, II, PE, PTOE, PTP (V) ♦ ◆
- Data Collection/Counts**
 - Gustavo Clavijo (V)
- TMPS**
 - Greg Trahan, PE, RSP₁ ♦ ◆
 - Laurence Lucius Lambert, II, PE, PTOE, PTP (V) ♦ ◆
- Traffic Safety**
 - Greg Trahan, PE, RSP₁ ♦ ◆
 - Ryan Eckenrode, PE, PTOE, RSP₂₁
 - Reece Rodrigue, PE, PTOE, RSP₁ (V) ♦ ◆
 - Kristen Farrington, PE, PTOE, RSP₁ (V) ♦

FIELD SUPPORT SERVICES

- 4 Environmental and Permitting Services**
NEPA Support • Permit Applications Support • Mitigation Compliance • Perform Material Sampling and Testing
 - Env. Reveals/ Supplemental NEPA**
 - Derek Chisholm, AICP, ENV SP, LEED GA (4) ♦
 - Lou Costa
 - Tom Hunter (4)
 - Karen Wicker, PhD (CEI) (4)
 - Sara Hahn (CEI)
 - Permitting**
 - Jonathan Vavasseur
 - Jonathan Martinez
 - Hunter Guidry (CEI)
 - David Kelley, PhD (CEI)
 - Karen Wicker, PhD (CEI) (4)
 - Sara Hahn (CEI)
 - Chris Guidry (CHF)
 - Joey Runner, PWS (CHF)
 - Phase I/Phase II ESAs**
 - Zoe Knesl
 - Karen Wicker (CEI) (4)
 - Hunter Guidry (CEI)
 - Wetlands Delineations/ T&E Species**
 - Jonathan Vavasseur
 - Jonathan Martinez
 - Karen Wicker, PhD (CEI) (4)
 - Walker Wilson (CEI)
 - Hunter Guidry (CEI)
 - Chris Guidry (CHF)
 - Joey Runner, PWS (CHF)
 - Mitigation Compliance**
 - Walker Wilson (CEI)
 - Chris Guidry (CHF)
 - Steven Latiolais, PE (T)
- Sampling**
 - Mark Phillips
 - Tanner McDaniel
 - Jerry Garms (T)
 - Taylor Pack (T)
 - Jason Maloney (T)
 - Adam McEvoy (T)
 - Jerry Garms (T)
 - Steven Latiolais (T)
- Cultural Resources**
 - Karen Wicker (CEI) (4)
 - David Kelley, PhD (CEI)
 - Sara Hahn (CEI)
 - Shelley Hartsfield
 - Gary Hawkins
- Public Engagement**
 - Derek Chisholm, AICP, ENV SP, LEED GA (4) ♦
 - Laura Weis, PE
 - Abby Tomlinson
- Arborist**
 - Scott Courtright (TTC)
- Materials Testing**
 - William Rhymes, PMP
 - Tanner McDaniel
 - Adam McEvoy (T)
 - Gregory Pellerin (T)
 - Jeffrey Delise (T)
 - Cody Vanderlick (T)
- 6 Surveying Services and Right of Way Maps**
 - Topographic Survey**
 - Paul Fryer, PE, PLS (L) (7) ♦
 - C. Tim Brewer, PLS (SJB) (6, 7)
 - Travis Bodin, PLS, PMP (CHF) (6, 7)
 - Jerry Lazenby, PE, PLS (L) ♦
 - Noah J. Sampognaro, EI (L) ♦
 - Matthew Estopinal, PE, PLS (SJB) ♦
 - Bradford Millett, PLS, EI (CHF)
 - Justin Bordelon, PLS, EI (CHF)
 - Colby Mire, PLS (SJB) ♦
 - Elvis Nguyen (SJB) ♦

DESIGN AND CONSTRUCTION SUPPORT SERVICES

- 3 Quality Control Reviews and Peer Reviews**
Independent Peer Reviews • Engineering Plan Reviews
 - Daniel Boyd, PE, CBI
- 5 Traffic Engineering and Design Services – Plan Development**
 - John Song, PE*, PTOE
- Signal Design**
 - Brin Ferlito, PE, PTOE (V) (5) ♦ ◆
 - Reece Rodrigue, PE, PTOE, RSP, (V) ♦ ◆
 - Bonnie Dial, PE*, PTOE ♦
 - Bridget Robicheaux, PE, PTOE (V) ♦
- MOT/Construction Sequencing**
 - Jonathan McDowell, PE ♦ ◆
 - Greg Trahan, PE, RSP₁ ♦ ◆
- 9 Roadway Design and Hydraulic Engineering Services**
 - Road Design/Reviews**
 - David Wymore, PE (10)
 - Clint Jumper, PE (3)
 - Richard Savoie, PE (GS) (10)
 - Greg Trahan, PE, RSP₁ ♦ ◆
 - Matthew Gunn, PE*
 - Brennon Hughes, PE (GS) ♦
 - Ronnie Robinson, PE (GS)
 - H&H/Drainage**
 - Sreeni Bollu, PE, CFM, PMP
 - Clay Loyless, PE
 - Anthony Holder, PE, CFM
 - John Perez, PE*, CFM
 - Jerry Lazenby, PE, PLS (L) ♦
 - Railroad Construction**
 - Joseph Ivanyo
 - Sustainability/Resiliency**
 - Derek Chisholm, AICP, ENV SP, LEED GA (4)
 - Green Infrastructure**
 - Keith Villere
 - Kelly Duggan, AICP

- 10 Bridge Design Services**
 - Design Reviews/Design**
 - Gary Maji, PE (11)
 - Daniel Boyd, PE, CBI
 - Patrick Hays, PE*
 - Craig Parent, PE*
 - Stephen McCullough, PE*
 - Aesthetics/Bridge Architecture**
 - Bradley Touchstone, FAIA
 - Complex Bridge**
 - Ken Butler, PE (11)
 - Joseph Tse, PE*, PEng*
 - Inspection/NDT**
 - Landon Whitton, PE, CBI
 - Brett Canimore, PE, CBI
 - Ed Zhou, PE*
 - Jason Zimpfer, PE (Load Rating)
 - John Weres, PE (GS) (11) ♦
 - Tom Tran, PE (GS) (11)
 - Courtney Rome, PE (GS) ♦
 - Material Science/ Specifications**
 - Chandler Willis (A)
 - Chae Hrenyk (A)
 - Electrical/Road Lighting**
 - Ronald St. Angelo (V) ♦
 - Rollin Ewart, PE*
 - Greg Reilly, PE
 - Christian Schade, PE (MCA)
 - M. Kimball Schlafly, PE (MCA)
- 11 Plan Development and Letting Support Services**
 - Kent Dussom, PE, DBIA
 - Charlie Stein, PE*, DBIA
- 12 Construction Support Services**
 - Jonathan McDowell, PE ♦ ◆
 - Greg Trahan, PE, RSP₁ ♦ ◆
 - Ronald St. Angelo (V) ♦
 - David Watkins (V) ♦
 - Chandler Willis (A)
 - Chae Hrenyk (A)
 - Julian Bordelon, PE (GS) ♦

OTHER/SPECIALTY SERVICES

- 13 Other Services**
Tolling Implementation, Design and Support Services • ITS Design and Support Services • Roadway and Aesthetic Lighting Design • Bridge Architecture/Context Sensitive Solutions • Complete Streets/Bike-Ped • Facilities • Arborist • ROW Services
 - ITS Design and Support**
 - Robert Edelstein, PhD, PE, PTOE
 - Victor De La Garza, PE
 - Bonnie Dial, PE*, PTOE ♦
 - Ronald St. Angelo (V)
 - Christina Florez, PE (GS) ♦ ◆
 - Julian Bordelon, PE (GS) ♦ ◆
 - Reece Rodrigue, PE, PTOE, RSP₁ (V) ♦ ◆
 - Kristen Farrington, PE, PTOE, RSP₁ (V) ♦
 - Tolling Implementation Design/Support**
 - Joseph Silva
 - Laurence Lucius Lambert, II, PE, PTOE, PTP (V) ♦ ◆
 - David Weeks, PE*
 - Robert Edelstein, PhD, PE, PTOE
 - Bike/Ped/Complete Streets**
 - Derek Chisholm, AICP, ENV SP, LEED GA (4)
 - Jonathan McDowell, PE (1, 2, 3) ♦ ◆
 - Kelly Duggan, AICP
 - Roadway and Aesthetic Lighting Design**
 - Greg Reilly, PE
 - Facilities**
 - Adam Skwirsk, AIA, GGP
 - Miguel Sanchez, RA
- Subconsultants**
- A..... Ardaman & Associates, Inc.
 - CEI..... Costal Environmental
 - CHF..... C. H. Fenstermaker & Associates, LLC
 - GS..... Gresham Smith
 - KPMG..... KPMG LLP
 - L..... Lazenby & Associates, Inc.
 - MCA..... Marrero, Couvillon & Associates, LLC
 - RS&H..... RS&H, Inc.
 - SJB..... SJB Group, LLC
 - T..... Terracon
 - TTC..... Trinity Tree Consultants
 - V..... Vectura Consulting Services, LLC

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	Jonathan McDowell, PE	AECOM	PE/Civil/PE.0030508	LA	03/31/2025
3	Clinton Jumper, PE	AECOM	PE/Civil/PE.0040098	LA	08/31/2026
3	Jonathan McDowell, PE	AECOM	PE/Civil/PE.0030508	LA	03/31/2025
4	Derek Chisholm, AICP, ENV SP, LEED GA	AECOM	NA	NA	NA
4	Tom Hunter	AECOM	NA	NA	NA
4	Karen Wicker, PhD	Coastal Env.	NA	NA	NA
5	Kordel Braley, PE, PTOE	AECOM	PE/Civil/PE.0047329	LA	03/31/2025
5	Herbert Moore, PE, PTOE	Gresham Smith	PE/Civil/PE.0031065 PLS #5043 PTOE #2728	LA LA International	09/30/2024 09/30/2024 09/30/2024
5	Laurence Lambert, PE, PTOE, PTP	Vectura	PE/Civil/PE.0029901	LA	03/31/2026
5	Sheelagh Brin Ferlito, PE, PTOE	Vectura	PE/Civil/PE.0025383	LA	09/30/2025
6	Travis Bodin, MBA, PLS, PMP	Fenstermaker	PLS #5067	LA	03/31/2026
6	Ronald J. Riggin, PE, PLS	Lazenby	PE/Civil/PE. 0036016 PLS Land Surveying #5119	LA LA	03/31/2025 03/31/2025
6	C. Tim Brewer, RF, PS, PLS, RPLS, RPP	SJB Group	PLS #5009	LA	9/30/2025
7	Travis Bodin, MBA, PLS, PMP	Fenstermaker	PLS #5067	LA	03/31/2026
7	Paul D. Fryer, PE, PLS	Lazenby	PE/Civil/PE. 0023426 PLS Land Surveying #4806	LA LA	09/30/2025 09/30/2025
7	C. Tim Brewer, RF, PS, PLS, RPLS, RPP	SJB Group	PLS #5009	LA	9/30/2025
8	Karen M. Kennedy, PE	SJB Group	PE/Civil/PE.0028547	LA	09/30/2025
9	Megan Bourgeois, PE	Ardaman	PE/Civil/PE. 0036725	LA	03/31/2026
9	John Volk, PE	AECOM	PE/Civil/PE.0038377	LA	03/31/2026
10	Michael David Wymore, PE	AECOM	PE/Civil/PE.0043157	LA	03/31/2025
10	Richard Savoie, PE	Gresham Smith	PE/Civil/PE.0020936	LA	09/30/2024
11	Ken Butler, PE	AECOM	PE/Civil/PE.0031476	LA	03/31/2025
11	Gary Maji, PE	AECOM	PE/Civil/PE.0043044	LA	03/31/2025
11	John Weres, PE	Gresham Smith	PE/Civil/PE.0036429	LA	03/31/2025
11	Tom Tran, PE (Thong Quang Tran)	Gresham Smith	PE/Civil/PE.0032072	LA	03/31/2026

Section 16



Brent Spence Bridge Progressive Design Build, Cincinnati, OH and Covington, KY

AECOM is serving as lead designer for the landmark \$3.1 billion Brent Spence Bridge Corridor Project. The project calls for renovation and rehabilitation of the Brent Spence Bridge, which serves as a major gateway for travelers along Interstates 71 and 75 between Ohio and Kentucky, and construction of a new companion bridge to reduce congestion.

As lead designer, AECOM is providing comprehensive design and engineering for critical upgrades that address safety and traffic flow; increase capacity between the states, improve the complex interchange geometry; and upgrade the interstate multiple miles into Kentucky. AECOM will serve as Engineer of Record for the new double-decked companion bridge over the Ohio River and southward through Kentucky to facilitate this connectivity.

Delivering a better world




Resumes for
Minimum Personnel
Requirements 1-11
(See Section 15)


AND

Key Project Management
(See Section 14)


16. Staff Experience

		Firm AECOM Technical Services, Inc.	
Jonathan McDowell, PE (MPR 1, 2, & 3) Associate Vice President		Years of Relevant Experience with this Employer	21
		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 Additional active license: PE: MS, AR; 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, 2, & 3. Principal-in-Charge; Project Manager; 5. Traffic Engineering and Design Services – Plan Development; 12. Construction Support; 13. Other Services (Bike/Ped/Complete Streets). <i>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.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
03/23 – present	LADOTD, LA 561 Boeuf River Bridge Replacement (SP No. H.001970.1), Hebert, Caldwell, and Richland, Parishes, LA. <i>Road Design Task Leader.</i> Replacement of a 700 ft through truss bridge with a new prestressed concrete girder bridge. Tasks included the development of the horizontal and vertical geometry for the bridge replacement on the existing alignment while updating the typical section of the road to current standards and modifications to the adjacent gravel local road, Womack Road, that serves four residences along the Boeuf River.		
10/21 – present	Louisiana Intermodal Terminal Preliminary Design, Port of New Orleans, Violet, LA. <i>Deputy Project Manager and Project Engineer.</i> Preliminary design of the full intermodal container yard facility along the Mississippi River near Violet, Louisiana. Developed conceptual design for the relocation of St Bernard Highway (LA 46), improvements along Judge Perez Drive (LA 39), and the access interchange and the new port access road to the terminal gate. Developed conceptual layout for the container terminal internal road plans and developed the geometric design of the wharf ramps. Developed the conceptual design for the relocation of the mainline Norfolk Southern railroad and the yard lead tracks, intermodal railroad yard tracks, and the support yard tracks. Managed team of engineers and support staff to deliver 30% Plans for two highway improvements packages and the rail relocation and new industrial yard tracks package. Leading the permitting process for DOTD and Railroad ROW permits. Developed yard layout, circulation and access points.		
10/20 – present	City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Rouge, LA. <i>Project Manager and Task Manager.</i> Urban Road Design and Complete Streets improvements to College Drive. The project include a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.		


09/17 – present	<p>Coastal Restoration and Protection Authority of the State of Louisiana, Mid Barataria Sediment Diversion, (SP No. BA-0153), Plaquemines Parish, LA. <i>Task Manager and Lead Engineer.</i> Relocation of LA 23 and the NOGC Railroad across the proposed sediment diversion. Also responsible for the design of service roads along LA 23 and railyard layout that contractor will use for site deliveries. Provided QC review for the traffic report and participation in the environmental and public involvement tasks. AECOM is the lead design development team for the \$1.5 billion CMAR project. The rail improvements provide for the extension of track across the diversion channel intake structure which would feature a moveable span for canal maintenance and approximately 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 have accommodations for up to two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and new roadways to connect the existing highway to the new bridge structure. Tasks include road design, drainage, signing, and MOT. Currently leading construction support task for the highway improvements.</p>
07/15 – present	<p>LADOTD, I-49 Connector, Lafayette Regional Airport to I-10/I-49/US 167 Interchange, (SP No. H.004273.5), Lafayette Parish, LA. <i>Project Manager, Leadership Team Member, and Railroad Coordination and Alignment Modifications Task Manager.</i> NEPA Supplemental EIS and Design of a 5-mile urban freeway corridor. The project includes a very elaborate Context Sensitive Solutions process that is occurring concurrently with the environmental process. The project include a signature bridge, an urban master plan for local road and frontage road connections, implementation strategies and 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. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involvement tasks.</p>
06/15 – present	<p>LADOTD, Route LA 3139, Earhart Expressway Extension to US 61, (SP No. H.004367.5), Jefferson Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, location and potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor to transition back to the current lane configuration at the west end of the project. Reviewed traffic reports and participated in the environmental and public involvement tasks.</p>
2015 – present	<p>LADOTD, Road Safety Assessment (RSA) Facilitation, (SP No. H.011935.5), Statewide, LA. <i>Project manager and lead engineer.</i> Tasked to facilitate up to 10 Road Safety Assessments as requested by LADOTD. Tasks include analysis of crash data, preparation of RSA meeting handout, facilitation of the RSA meeting and site visit, preparation of the RSA report. Six RSAs have been performed as of April 2016 in DOTD Districts 02, 07, 08, 61, and 62.</p>
02/07 – 11/09	<p>City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane Improvements (Highland Road to Perkins Road), Baton Rouge, LA. <i>Project Manager and Task Manager.</i> Design of corridor improvements to Siegen Lane to upgrade the two lane suburban road to a four lane urban boulevard. Performed road geometrics, develop suggested sequence of construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included an alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.</p>
11/04 – 02/17	<p>LADOTD (SP No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA. <i>Deputy Project Manager and Project Engineer.</i> Responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.</p>

Firm AECOM Technical Services, Inc.			
	Clint Jumper, PE, PTOE (MPR 3) VP, Director of Growth, Gulf Coast, US West	Years of Relevant Experience with this Employer	11
		Years of Relevant Experience with Other Employer(s)	24
Degree(s) / Years / Specialization		BS/1999/Civil Engineering	
Active Registration Number / State / Expiration Date		40098/LA/3.32.2026 Additional active license: TX, AR	
Year Registered		2015 (LA)	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		MPR 3. 9. Roadway Design and Hydraulic Engineering Services. <i>Clint has served as Principal for several complex urban transportation projects. He provided oversight for resource allocation and contracting. He coordinated with owner staff and GECs to resolve contract issues, get the project approved, and subconsultants notice-to-proceed. Clint also coordinated challenges with subcontracting and oversaw contract compliance. He oversaw and provided guidance for QA/QC implementation and technical guidance where needed.</i>	


Experience Dates	Experience and qualifications relevant to the proposed contract.
05/18 – 03/23	TxDOT San Antonio District, I-410, US 281, San Pedro Ave S&E, San Antonio, TX. Principal/Project Manager. Complex urban highway design and preliminary engineering services for I-410 and US 281. The challenge in this area includes constrained right-of-way, complex utility conflicts, and heavy congestion, IAJR approvals. The study area included 4-miles along I-410, 2.5-miles along US 281, and the redesign of 15 interchanges (depressed and overhead). I-410 ranks 52nd in TxDOT's list of Top 100 Most Congested Roadways. Detailed route studies with over 10 alternatives resulted in improvements that are designed to relieve congestion while improving access, mobility, and safety. The expected modifications included direct connector adjustments, ramp relocations, collector distributor roads, intersection improvements, and auxiliary lanes. Multiple interchanges are being reconfigured to improve operations, including some alternative intersection concepts. PI tasks included coordination with state and local stakeholders, neighborhood groups, utility companies, and developers. 3D visualization videos were developed to help the public understand the complex improvements. Schematic and environmental clearance was received in October 2021.
08/17 – 09/20	City of Austin, East Martin Luther King, Jr. Boulevard, FM 969 Corridor, Austin, TX. Principal-in-Charge. Complex urban highway project for safety, mobility, and connectivity improvements along East Martin Luther King, Jr. Boulevard/FM 969 Corridor Project from US 183 to Decker Lane with funding for Austin's current Corridor Construction Program. This project consisted of the development of a schematic for approximately two miles of FM 969 (Martin Luther King Boulevard). The existing roadway was widened from an urban four lane section to an urban six lane section with eight-foot shared use paths on both sides of the roadway. The project scope also included the development of a preliminary layout of interim corridor improvements that were funded as a first construction project from the schematic.
11/2014 – 03/18	ARDOT, CA0101/CA0103 Hwy 64 from Cross County Line to Hwy 147, Crittenden County, AR. Principal. Oversaw the design support services for the maintenance of traffic (MOT) plans for the widening of Hwy 64 to four-lanes from the Cross County Line to Hwy 147 in Crittenden County, Arkansas. Project MOT included a phased construction of the roadway widening construction, multiple cross drainage structures, including two bridge class culverts, and a detour plan for local access to Hwy 64 during construction.


		Firm AECOM Technical Services, Inc.	
Derek Chisholm, AICP, ENV SP, LEED GA (MPR 4) Associate Vice President, Transportation Planning		Years of Relevant Experience with this Employer	10
		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.147159/12.31.2024 Additional active license: Leadership in Energy and Environmental Design, Green Associate/#10148303; Envision Sustainable Professional; FHWA-NHI-142005 NEPA and Transportation Decision-Making		
Year Registered	NA	Discipline	American Institute of Certified Planners
Contract Role(s) / Brief Description of Responsibilities	MPR 4. 4. Environmental and Permitting Services; 9. Roadway Design and Hydraulic Engineering Services; Other Services (Bike/Ped/Complete Streets). <i>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.</i>		
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. <i>2022 TransComm Award. DOTD received an Interactive Marketing award for the I-49 Lafayette Connector Virtual Reality Room.</i>		
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. <i>National Environmental Excellence Awards for Climate Change Evaluation and the Fish Hydro-acoustics Impacts Study</i>		
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 incorporate 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.		

03/14 – 09/16	Lafourche Airport Connector Road EA, Port Fourchon, LA. <i>Environmental.</i> 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. <i>(H number was not available during project duration)</i>
03/07 – 11/10	ODOT Highway 99 Bypass NEPA, IJR, and IMRs, Yamhill County, OR. <i>Public Involvement Lead, EJ Lead.</i> 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. <i>Sustainability Lead.</i> 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. <i>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</i>
11/07 – 03/10	WSDOT Alaska Way Viaduct Seattle Waterfront Promenade and Overlook Walk, Seattle, WA. <i>Environmental.</i> 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. <i>Environmental Justice Senior Advisor.</i> 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 – 08/13	ODOT Clackamas River-Springwater Road Bridge, Clackamas, OR. <i>Environmental.</i> 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. <i>Environmental.</i> 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. <i>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)</i>
07/10 – 04/13	WSDOT Mukilteo Multimodal Project, Mukilteo, WA. <i>Environmental.</i> 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. <i>Outstanding Achievement Award. Excellence in Environmental Document Preparation, EIS Category, FTA, 2013</i>
10/05 – 04/07	ODOT Bridges Visual Performance, Oregon, Statewide. <i>Visual Assessment.</i> 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.	
 Tom Hunter (MPR 4) Planning Group Manager	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	NA Discipline NA
Contract Role(s) / Brief Description of Responsibilities	MPR 4. 4. Environmental and Permitting Services. <i>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.</i>
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. <i>Principal Planner.</i> 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. <i>Principal Planner for an Environmental Assessment (EA) to improve capacity of the LA 511 crossing of the Red River.</i> 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. <i>Principal Planner.</i> 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. <i>Project Manager.</i> 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	AHTD, Don Tyson Parkway Interchange Justification Report and EA, Springdale, AR. <i>Senior Project Manager.</i> 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 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. <i>Transportation Planner.</i> 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. <i>Principal Transportation Planner.</i> 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. <i>Project Director.</i> 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 <i>Highway Safety Manual</i> .
02/14 – 11/14	Stage 0 Feasibility Study and Report, Weinberger Road, St. Bernard Parish, LA. <i>RPC Project Manager.</i> 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 Coastal Environments, Inc.	
Karen M. Wicker, PhD (MPR 4)		Years of Relevant Experience with this Employer	49
Senior Vice President, Principal (Coastal Env.)		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization	PhD / 1979 / Physical Geography MS / 1975 / Anthropology BS / 1970 / American Studies		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	MPR 4. 4. Environmental and Permitting Services. <i>As Principal/Environmental Manager, Karen directs work related to NEPA Compliance and Environmental Investigations. She has completed "HNI Course No. 142005, National Environmental Policy Act (NEPA) and Transportation Decision Making."</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
Karen directed Environmental Investigations and NEPA compliance documentation for the following LDOTD projects.			
02/10 - 12/23	H.004891.1. US 61 / I-10 Connector EIS and Supplement, St. John the Baptist Parish. Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources and ESA-phase 1; preparation of NEPA associated documents; sections of EIS; and alternatives' analyses.		
06/12 - 06/22	H.003931.1 & H.003931.5. New I-10 Calcasieu Bridge and Approaches EIS, Calcasieu Parish, LA. Principal/Project Director for ESA-Phase 1 investigation; assisted in preparation of ESA-I document and HTRW section of EIS.		
05/12 - 12/14	H.005403.2. Stage 1 Environmental Assessment, LA Hwy 408-Hooper Rd. Extension & Widening (LA 16-Sullivan Rd), E Baton Rouge & Livingston Parishes. Principal/Project Director for investigations for wetlands, T&E species, Biological Assessment, cultural resources & ESAI; preparation of NEPA compliance environmental documents and related sections of EA.		
01/13-12/ 13	H.01008.1. Stage 0 Feasibility, LA 156 Improvements Calvin - US 167, Winn Parish. Supervisor/Environmental Manager for investigations for wetlands, T&E species, HTRW & cultural resources; and preparation of Environmental Checklists.		
04/13-12/ 13	H.001399. LA HWY 23 (Happy Jack to N Port Sulphur) Stage 1 EA, Plaquemines Parish. Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of NEPA Compliance environmental documents and related sections of EA.		
05/11 - 09/12	700-28-0213, H.004482.2. Ambassador Caffery N Extension Supplement 3, Lafayette Parish. Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources & ESA - Phase 1; preparation of NEPA related environmental documents and related sections of EA Supplement.		
03/03-05/05	700-19-0108. Florida Ave. Bridge over IHNC EA, Orleans & St. Bernard Parishes. Supervisor/Environmental Manager for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of environmental documents and related sections of EA.		
05/99 - 07/02 06/06 - 06/07	700-26-0076. LA 1088/I-12 Interchange EA & Supplement, St. Tammany Parish. Supervisor-Other for investigations for ESA-Phase 1, wetlands, threatened and endangered species and cultural resources surveys and preparation of environmental documents and sections of EA. Supervised preparation of Wetland Delineation update under LADOTD supplement.		
01/02 - 11/05	700-14-0018. Huey P. Long Bridge Widening EA, Jefferson Parish. Supervisor-Other for investigations for ESA-Phase I, Wetlands Delineation, T&E Species, Natural and Human Environment setting and preparation of EA and other NEPA compliance documents; participated in public meetings and responded to comments.		

		Firm AECOM Technical Services, Inc.	
Kordel Braley, PE, PTOE (MPR 5) Associate Vice President		Years of Relevant Experience with this Employer	6
		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 Additional active license: PE AZ, CO, ID, NV, TX, UT; PTOE/#3173		
Year Registered	2022 (LA)	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	MPR 5. 5. Traffic Engineering and Design Services - Analysis and Reports. <i>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.</i>		
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 evaluate 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, he also helped identify gaps in sidewalk facilities and developed a simple and transparent prioritization process to assist the City complete the missing gaps.
12/13 – 12/18	Utah Valley Express (UVX) Bus Rapid Transit Final Design, Utah County, UT. Traffic Engineer. Kordel provided traffic engineering and forecasting services for the Utah Transit Authority (UTA) for the design of a 10.5-mile Bus Rapid Transit (BRT) line in Provo and Orem, Utah. Kordel performed microsimulation analysis—using VISSIM—of one of the three design segments that covered 900 East to assist the designers in intersection and signal design including transit signal priority (TSP). Kordel also provided traffic engineering support during construction. Kordel's involvement in this project began with a previous employer where he was the lead planner involved in the Provo/Orem BRT Second Opinion Study completed for the Provo Municipal Council in 2014. This study involved close coordination and collaboration with multiple stakeholders including UTA, UDOT, MAG, WFRC, Provo City, BYU, and the LDS Church (MTC). The study successfully brought multiple parties together and helped the BRT project continue to progress.
04/15 – 06/18	UDOT, Traffic Study Support, Statewide, UT. Project Manager, Traffic Engineer. Kordel led efforts to for 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 performed 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. Kordel has collaborated with other consultants and UDOT staff to deliver traffic and safety engineering studies to UDOT.
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 Traffoc & 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.


Firm Gresham Smith			
	Herbert "Bert" Moore, II, PE, PLS, PTOE (MPR 5) Principal/Project Manager (Gresham Smith)	Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	16
Degree(s) / Years / Specialization		BS / 1999 / Civil Engineering	
Active Registration Number / State / Expiration Date		31065 / LA / 9.30.24 PTOE 2728 / 09.30.24 PLS 5043 / LA / 09.30.24	
Year Registered		2004 (PE); 2009 (PTOE); 2010 (PLS)	Discipline Civil Engineering (PE)
Contract Role(s) / Brief Description of Responsibilities		MPR 5. 5. Traffic Engineering and Design - Analysis & Reports. Bert will support the Traffic Engineering Analyses tasks. In his 25 years of experience as both as a consultant and as LADOTD's District Traffic Operations Engineer for District 61, Bert has demonstrated his knowledge of LADOTD requirements and preferences, and proven adept at getting things done efficiently. Bert has spent the majority of his 24-year career working with the traffic signal system and ITS equipment in the Baton Rouge area, having performed design, operations, CE&I and maintenance duties on these systems	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/19 – ongoing	LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA. Project Executive. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Bert is responsible for oversight of the entire project.		
10/18 – ongoing	LADOTD, LCG Adaptive Traffic Signal System, Lafayette, LA. Project Executive. Gresham Smith developed an Adaptive Traffic Signal System for the Lafayette Consolidated Government, which involved upgrading over 200 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be both the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field inspection of over 200 traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support, and before travel time studies. Bert is responsible for overseeing the, design of traffic signals, integration and QA/QC.		
04/19 – 05/20	LADOTD, ITS CE&I IDIQ, Task Order #2: Fiber Optic Mapping & Management, Ascension, East Baton Rouge, West Baton Rouge, Livingston and Terrebonne Parishes, LA. Principal. Gresham Smith was tasked with expanding the Fiber Optic Mapping & Management system to various parishes. Bert was responsible for overall project coordination and team management.		
08/14 – 11/18	LADOTD, ITS Design & Implementation WO#4: I-10 Twin Span ITS-Orleans & St. Tammany Parishes, Statewide, LA. Project Executive. Gresham Smith developed design plans along with specifications and cost estimates for the eight-mile I-10 Twin Span ITS project. The project retrofitted ITS equipment along the corridor utilizing existing fiber, electrical systems, cabinets, camera poles, a Dynamic Message Sign (DMS) structure, a communications hut and a bridge health system. Bert was responsible for the overall project management, QA/QC, traffic control plans, transportation management plan (TMP), constructability / biddability forms and cost estimates		
07/16 – 07/18	LADOTD, ITS Design & Integration WO#5: I-12 Ramp Meter Upgrades, East Baton Rouge and Livingston Parishes, LA. Project Executive. Gresham Smith was tasked with performing a feasibility assessment on the existing ramp meters along I-12. The assessment included reviewing the existing system components, determining status of functionality, performing best practices research, and developing recommendations and typical layouts. Bert's responsibilities included leading the field inspections, meeting with vendors and stakeholders, project management, QA/QC, and development of recommendations.		

06/16 – 09/17	LADOTD, ITS Design & Integration WO#3: ATMS.Now Design and Integration, Statewide, LA. Project Executive. Gresham Smith implemented a central traffic signal software system that would increase the Department’s functionality with traffic signals, improve communications to field devices and allow the back-up of signal controller configurations at a central location. Bert’s responsibilities included project management, QA/QC, workshop facilitation, functional requirement development, meeting with vendors and stakeholders, assisting and documenting the training performed by vendor and assisting with the system verification.
04/17 – 08/17	LADOTD, ITS Design & Implementation WO#8: Emergency Vehicle Preemption (EVP) Devices SEA, East Baton Rouge Parish, LA. Project Executive. The City of Baton Rouge incorporated the upgrade of their existing Emergency Vehicle Preemption (EVP) system within an existing safety project. The existing EVP system was outdated, utilized line of sight equipment and not installed on all intersections within the city’s jurisdiction. Gresham Smith was selected to develop a SEA to upgrade EVP equipment throughout the parish. Bert’s responsibilities included workshop facilitation, stakeholder coordination, and QA/QC.

	Firm	Vectura Consulting Services, LLC			
		Sheelagh Brin Ferlito, PE, PTOE (MPR 5)		Years of Relevant Experience with this Employer	8
		Supervisor Engineer		Years of Relevant Experience with Other Employer(s)	27
Degree(s) / Years / Specialization		B.S. / 1988 / Civil Engineer			
Active Registration Number / State / Expiration Date		PE. 0025383 / LA 09/30/2025			
Year Registered		1993	Discipline	Civil	
Contract Role(s) / Brief Description of Responsibilities		MPR 5. 5. Traffic Engineering and Design Services (Signal Design). Brin provides Traffic Signal Design, Stage 0, and Peer Reviews.			


Experience Dates	Experience and qualifications relevant to the proposed contract.
07/21 - present	H.007160 - EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA. Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.
07/19 - present	MOVEBR New Capacity Projects Program Management, Baton Rouge, LA. Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.
07/19 - present	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement PPP, Belle Chasse, LA. Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by DOTD.
09/20 - 12/21	H.010960.5 LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA. Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.
07/18 - 04/19	LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA. Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.
09/17-04/18	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA. Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.

08/15-05/17	Enhancing Guidance for Evacuation Time Estimate Studies, Nuclear Regulatory Commission, Rockville, MD. Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.
04/14 – 12/14	H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project, Baton Rouge, LA. As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Ferlito developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction, Baton Rouge, LA. Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.
07/08-09/09	SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Phase IV Construction, Baton Rouge, LA. Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	S.P. 700-99-0477 Jefferson Hwy. Signal Design, Baton Rouge, LA. Brin designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	Airline Hwy Widening SPN 700-99-0332, Baton Rouge, LA. Brin designed eight traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172, Baton Rouge, LA. Brin was the project engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.


	Firm	Vectura Consulting Services, LLC		
Laurence Lucius Lambert, II, PE, PTOE, PTP (MPR 5)		Years of Relevant Experience with this Employer	8	
Supervisor Engineer		Years of Relevant Experience with Other Employer(s)	18	
Degree(s) / Years / Specialization		B.S./1997/Civil Engr. M.S./2006/Civil Engr. (Transportation focus) M.B.A./2010		
Active Registration Number / State / Expiration Date		PE.0029901 / LA / 3/31/2026		
Year Registered		2002	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities		MPR 5. 5. Traffic Engineering and Design Services. Laurence provides Data Collection, Warrant Analysis, Traffic Modeling, Intersection & Network Analysis, Stage 0 and Peer Review		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/19 – present	MOVEBR New Capacity Projects Program Management, Baton Rouge, LA. At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
06/23 - present	H.012845.1 Connected & Autonomous Vehicles (C/AV) Team and Working Group Support. Laurence is a member of the team to develop new policies and legislation related to C/AV.
04/18 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger & I-10 Gonzales, Ascension, LA. Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.
04/18 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish, LA. Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA. Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle / pedestrian / transit observations.
01/23 – 02/24	H.011504 Alexandria ITS Phase 2. Laurence was the project manager for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan for the Alexandria area.
10/21—03/22	H.013256.5 I-10 ITS Scott to Lake Charles. Lead Traffic Engineer. Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.
09/18 – 02/19	H.013261.1 I-110 ITS Deployment Systems Engineering Analysis. Project Manager. Laurence was the task leader for the Constraints & Alternatives Analysis as well as the Projects & Procurement Strategy portion of the project. The goal of the project was to deploy Close Circuit Television (CCTV) cameras and one Dynamic Message Sign (DMS) along the I-110 corridor from US 190 to US 61. To communicate with the field devices from the Traffic Management Centers (TMCs), installing fiber optics along the I-110 corridor was recommended. The fiber optics also allow communication to the traffic signals at the interchange ramps along I-110 to the TMC.


06/12-12/12	Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, LA. Project Manager. Laurence conducted a feasibility study to deploy ramp meters along the Interstate 10 (I-10) Corridor in Baton Rouge between Dalrymple Drive and LA 73. The study consisted of analyzing 17 on-ramps under differing design conditions, which include the following: 2010 Existing, 2012 Without Ramp Meter, 2012 Ramp Meter, and 2012 Ramp Meter with Recommendations. Laurence's role in this project as project manager was to oversee all QA / QC measures and interpret the results from the model. Laurence coordinated with the local agencies to obtain all current proposed projects in the area, which included DOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.
09/16 - 04/17	H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study, St. Tammany Parish, LA. Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. Laurence, along with Brin, collected 7-day, 24-hour counts w/ classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
07/16 - 01/17	FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users, Norfolk, VA. At the request of the FHWA division office for Virginia, Laurence was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum as well as "red line" comments were scanned and submitted to the FHWA Virginia Division office for their use.
04/04 - 09/06	Stage 0, I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA. Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.
03/10 - 11/11	S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector, Shreveport, LA. This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
01/07 – 08/07	I-12 Ramp Metering Study, Baton Rouge, LA. Project Manager. Under the ITS retainer contract, Laurence provided analysis and evaluations of potential ramp metering at six interchanges along this corridor. The scope also included analysis of existing traffic conditions, evaluation of proposed solutions, and creation of micro-simulation models of existing and proposed conditions. An existing micro-simulation model was obtained from DOTD to analyze and visually represent the existing traffic conditions. The existing conditions model was calibrated and used as a base to develop models of ramp metering. Laurence presented the findings to DOTD, including an overview map of the interchange area, a schematic of existing volumes, a Micro-simulation of the existing conditions, a summary table of LOS for existing conditions, micro-simulations of proposed solutions, and a summary table of LOS for each solution. Laurence also submitted a formal report of the findings.
04/04 - 09/06	Stage 0, I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA. Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

Firm		Lazenby & Associates, Inc.		
	Ronald J. Riggin II, PE, PLS (MPR 6)		Years of Relevant Experience with this Employer	11
	Project Surveyor		Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization		BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date		PLS. 0005119/ LA/03.31.2025 PE 0036016/LA/ 03.31.2025 LA Specific Traffic Control Technician Course, 2014 LA Specific Traffic Control Supervisor Course, 2020 (refresher)		
Year Registered		PLS 1970 / PE 1970	Discipline	Professional Land Surveyor/Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		MPR 6. 6. Surveying Services and ROW Maps. Ronald is familiar with the requirements of the LDOTD Location and Survey Section for conducting topographic surveys, property surveys and hydrographic surveys. Ronald is responsible for quality control of all survey data obtained by survey crews in conducting topographic surveys, property surveys, and hydrographic surveys. Ronald has over five (5) year's experience in conducting and performing hydrographic surveys in rivers, lakes and bays.		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
07/13 – 06/16	Retainer Contract No. 4400003471 – Retainer Contract For Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of \$436,473.00 for LDOTD State Projects at various locations in northern Louisiana.			
10/12 – 06/16	Project Surveyor for Contract No. 4400002862, S.P. # H.008768 – Hydrographic Survey Monitoring of Existing Bridges – Statewide (North Region). Performed hydrographic surveys on 14 Task Orders for monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data, and the development of required hydrographic survey reports at the various bridge locations.			
09/18 – 02/23	Project Surveyor for Retainer Contract No. 4400012668 – Retainer Contract For Professional Hydrographic Surveying Services – Statewide (North Region). Performed hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties included supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.			
02/23 – Present	Project Surveyor for Retainer Contract No. 4400019714 – Retainer Contract for Professional Hydrographic Surveying Services-Statewide (North Region). Performing hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties include supervision and scheduling of field crews, analysis of field date and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.			
04/14 – 04/18	Professional Surveyor of Record for developing topographic surveys and Property Surveys for private clients on residential developments and commercial developments in Ouachita Parish and northern Louisiana. Professional Engineer of Record for the overall design of residential and commercial developments.			
03/15 – 08/17	Project Engineer and Project Surveyor for S.P. # H.011742 – Ole Highway 15 Improvements (US 80 – Arkansas Road (LA 616)), Ouachita Parish. Ronald performed a topographic survey of a 2.2 mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design which consisted of cold planning to remove existing AC surfacing, in-place cement stabilization of existing base course, A.S.T. interlayer and asphaltic concrete overlay.			

05/16 – 02/18	Project Surveyor on the Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5. Ronald performed a topographic survey of the alignment for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish. He also conducted a boundary survey of the right-of-way parcels along this route and developed the necessary ROW maps and legal descriptions.
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Firm C. H. Fenstermaker & Associates, L.L.C.			
	Travis Bodin, MBA, PLS, PMP (MPR 6 & 7) Vice President, Survey and Mapping	Years of Relevant Experience with this Employer	19
		Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization	BS/2004/Industrial Technology; MBA/2021/Business Administration		
Active Registration Number / State / Expiration Date	5067/LA/03.31.2026		
Year Registered	2011	Discipline	Professional Land Surveyor
Contract Role(s) / Brief Description of Responsibilities	<p>MPR 6 and 7. 6. Surveying Services and ROW Maps. <i>Travis has extensive surveying, management, and coordination experience. He has served as the Lead Professional Land Surveyor for projects across Louisiana. His responsibilities have included the management of surveying/ROW services, utility relocation coordination, coordinating with parish, state, and federal agencies and sub-consultants, cost estimating, scoping, scheduling and planning, resource management, and construction management services. With his background in surveying and project management, Travis has performed and participated in multi-million-dollar projects consisting of large scale topographic and bathymetric surveys, development of high accuracy GPS networks, landowner notification and documentation, the development of DTM, infrastructure documentation, GIS integration, and process and procedure development. Travis has conducted management duties for both field and office activities on survey and engineering projects.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
09/13 – 01/19	LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379), Calcasieu Parish, LA. Travis served as Lead Surveyor providing topographic, boundary, and route surveying to aid in the coordination with public and state agencies for the construction of a \$60MM, 2.4-mile roadway. Services include mapping for the acquisition of agreements between Sasol and third-party utilities, platting for acquisition and dedication of property needed for various construction activities and state agencies, and Quality Control of construction activities that were conducted which included monument review and location mapping. Fenstermaker's survey tasks included topographic survey, ROW acquisition and mapping, generating parcels, acquiring 100+ parcels, and using laser scanning of manholes and ground penetrating radar for subsurface engineering. Travis was responsible for field coordination, data processing, ROW generation, servitude and ROW mapping and topo surveys.		
05/19 – 03/21	S.P. H.005967 Port of Lake Charles Rail at W. Sallier St., Calcasieu Parish, LA. Fenstermaker completed the topographic and boundary surveys, established control, processed data, reviewed title reports, established property boundaries, and mapped encumbrances for the ~0.75 miles Railroad Relocation. LADOTD survey feature codes were utilized for this project, and LADOTD right-of-way maps along with COGOWIN legal descriptions were created. Travis served as Project Principal and performed quality assurance and quality control tasks for this project.		
04/13-10/20	Acadiana Regional Airport Access Road, Iberia Parish, LA. This project included the design of a new roadway beginning at the intersection of LA 3212 (Prairie Rd) and Grand Prairie Rd with an approximate 1,300-foot extension that intersects with LA 675 (Jefferson Island Rd). Significant features of this project include a 5-legged roundabout, a boulevard extension, and outfall channel regrading. Travis served as Project Surveyor.		

06/12 - present	S.P. No. H.006459 Roundabout at Churchpoint/Roddy Road, Ascension Parish, LA. Travis is serving as the Survey Lead on the design and re-design of this roundabout project. Feasible project concepts were developed along with estimated construction costs for each concept, including right of way acquisition and utility relocation costs. Right of Way Map requirements were set forth by the LADOTD "Location & Survey Manual Addendum A". Travis directed all surveying efforts, ROW mapping, and surveying other tasks.
07/14 - 10/17	LADOTD Permit No. 153351, 153352, 153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385), Calcasieu Parish, LA. Fenstermaker was contracted by Trunkline LNG for their plant expansion, drainage analysis and channel relocation. Fenstermaker completed a HEC-RAS model to determine the impacts of rerouting a major drainage channel that traversed the proposed expansion site. Fenstermaker performed topographic and boundary survey, generated right of way maps, and coordinated and managed utility relocations. Travis was responsible for DTM generation and establishing the project controls, coordination of utilities and survey field activities, as well as processing all the data collected.
07/13-08/15	S.P. No. H.010620: US 90 (I-49 South) Albertson Pkwy to Ambassador Caffery Design-Build, Lafayette Parish, LA. Fenstermaker was the Design Engineer for James Construction. Travis was the Surveyor responsible for managing all topo surveying provided by the sub-consultant on the improvements to the roadway. Some of the main elements of the six-lane mainline roadway project include an overpass at the BNSF Railway, a grade separation at Albertson's Pkwy and improved connectivity between US 90 and LA 182.
12/08 – 07/18	LADOTD Permit No. 03030387: Kaliste Saloom Road Widening, Intersection Improvements, Bridge, and CE&I (LA 3073 to LA 733) (Amb. Caffery to E. Broussard Rd), Lafayette Parish, LA. Travis served as the Surveyor Project Manager. Fenstermaker performed the topographic survey of all cross street and road tie-ins, cross sections for the purpose of an existing elevation DTM and parcel boundaries effected by the ROW. Travis was responsible for field crew coordination, topo/boundary surveys, ROW plats, monuments, data processing, plats and legal descriptions.
10/12-05/14	US 190 & 4-H Club Rd (LA 1032) Turn Lanes, Livingston Parish, LA. This project involved the construction of an additional turning lane along 4-H Club Roadway. Fenstermaker was responsible for creating construction plans, and Travis served as the Lead Surveyor, responsible for coordinating the survey crew to collect topography, boundary information, and drainage information. He also coordinated with the title abstractor and processed the survey data into a LADOTD format for use in CAD.
04/20 - present	Louisiana Watershed Initiative Region 4, De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes, LA. Travis is serving as the Lead Surveyor for the Louisiana Watershed Initiative Region 4, an unprecedented project that will manage the future flood risk in the State of Louisiana through watershed-based solutions. Travis's responsible for all aspects of surveying, data collection, and management to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4. These models will consider the degree to which communities within a watershed are hydraulically and hydrologically connected, and will lead decisions regarding land use, policy, and infrastructure must now be coordinated, made, and implemented at the watershed level if flood risk is to be effectively managed.
04/13-10/20	Acadiana Regional Airport Access Road, Iberia Parish, LA. This project included the design of a new roadway beginning at the intersection of LA 3212 (Prairie Rd) and Grand Prairie Rd with an approximate 1,300-foot extension that intersects with LA 675 (Jefferson Island Rd). Significant features of this project include a 5-legged roundabout, a boulevard extension, and outfall channel regrading. Travis served as Project Surveyor.


Firm SJB Group, LLC			
	C. Tim Brewer, RF, PS, PLS, RPLS, RPP (MPR 6, 7) Vice President of Surveying, SJB	Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	28
Degree(s) / Years / Specialization		BS/1988/Forestry Management	
Active Registration Number / State / Expiration Date		PLS.0005009/LA/ 9.30.2025	
Year Registered		2009	Discipline Professional Land Surveyor
Contract Role(s) / Brief Description of Responsibilities		MPR 6, 7. 6. Surveying Services and ROW Maps. <i>Tim has more than 30 years of survey experience and over 15 years of experience managing a wide variety of surveying projects for USACE, MDOT, LADOTD, MoveBR, MoveAscension, and private clients. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping.</i>	

Experience Dates	Experience and qualifications relevant to the proposed contract.
03/22 – present	The Settlement on Shoe Creek – Phase 2 of 3. Surveyor of Record/Project Manager. This project involved professional engineering and land surveying services for The Settlement on Shoe Creek for development phase 2 of 3, which covers approximately 225 residential lots. This included Topographic Surveys, preliminary plats, ALTA surveys, As-Built Surveys, LOMR-F preparation and submission, and final plats. Project control was established using a Leica HxGN SmartNet as an RTN.
06/18 – present	LADOTD Project No. H.012001 – LA 339 Canal and Creek Bridges. Surveyor of Record/Project Manager. This project in Vermilion Parish included Property Surveying and Right-of-Way Mapping for 3 sites along LA 339. SJB Group determined the existing right-of-way for LA 339 and multiple intersecting roadways. This information as well as the proposed right-of-way were utilized to prepare Base Right-of-Way Maps. Final Right-of-Way Maps and parcel input file descriptions for acquisition parcels that included multiple diversions roadways. All surveying was performed to LADOTD Location & Survey Section requirements.
07/21 – 10/23	LADOTD Project No. H.004100 – I-10: LA 415 to Essen. Surveyor of Record/Project Manager. This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility. The project also included the creation of Base Right-of-Way Maps; Final Right-of-Way Map set of original matte films; .pdf map set, MicroStation drawing files; along with a pdf copy of the Full Title Research Report with affected parcel number and an ASCII parcel input file descriptions for approximately 125 parcels.
04/23 – 09/23	LADOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish. Surveyor of Record/Project Manager. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.
01/23 – 09/23	STBG-0013-02(035)/108856-101100 – Mississippi State Route 28 Bridge over Copiah Creek. Surveyor of Record/Contract Manager. This project included a Topographic, Hydraulic, and Property Survey for a bridge replacement over Copiah Creek on State Route 28 in Copiah County, Mississippi. Project limits included approximately 3,000 feet of MS-28, including the Copiah Creek Bridge and cross-sections of Copiah Creek 1000 feet upstream and 1000 feet downstream from the bridge. The project will be delivered in OpenRoads Designer 2022.

08/20 – 09/23	LADOTD Contract No. 4400017597 – Rural Bridge Replacement Initiative. Surveyor of Record/Project Manager. Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
10/20 – 08/22	LADOTD Project No. H.002176.50 – LA 10 Bridges. Surveyor of Record/Project Manager. The LA 10 Bridges project in St. Landry Parish included Property Surveying and Right-of-Way Mapping for three sites. The property survey depicted the affected properties, the existing Right-of-Way for LA Hwy 10, and multiple state-claimed water bodies. The Property Survey was utilized for creating Base Right-of-Way maps, Final Right-of-Way Maps and ASCII parcel input files for acquisition parcels. All surveying was performed to LADOTD Location & Survey Section requirements.
07/21 – 02/22	LADOTD Project No. H.013715.5 – LA 77 Union Pacific Railroad Crossing, Iberville. Surveyor of Record/Project Manager. This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state maintained highway, and city streets. The deliverables included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section requirements.


Firm		Lazenby & Associates, Inc.		
	Paul D. Fryer, PE, PLS (MPR 7)		Years of Relevant Experience with this Employer	38
	Senior VP, Lazenby		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization		BS/1984/Civil Engineering		
Active Registration Number / State / Expiration Date		P.L.S. 0004806/ Louisiana / 09/30/2025 P.E. 0023426 / Louisiana / 09/30/2025 LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making		
Year Registered		PLS 1970 / PE 1970	Discipline	Professional Land Surveyor / Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		<p>MPR 7. 6. Surveying Services and ROW Maps. <i>Paul has more than 38 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. Paul is familiar with LDOTD and AASHTO design standards for roadway design and plans development. Paul has performed professional engineering and land surveying services on a variety of projects involving line and grade studies, major investment studies, location and Stage "0" studies as well as topographic surveys, property surveys and development of ROW maps. Paul also has extensive experience in developing preliminary and final roadway plans on a variety of LDOTD projects, and has served in a QA-QC role on many different projects throughout his career. Paul meets MPR Requirement No. 7 on this project.</i></p> <p><i>Paul is familiar with the LDOTD Location and Survey Manual for conducting topographic surveys, property surveys and developing right-of-way maps. He has overseen the development of right-of-way maps for various LDOTD projects for over 20 years.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
01/96 – 09/96	State Project No. 038-03-0022: US 425 (Bastrop – Log Cabin), Morehouse Parish. Paul prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 3.2-mile segment of US 425 to four lanes.			
04/96 – 12/96	State Project No. 038-03-0024: US 425 (Log Cabin – Junction LA 142), Morehouse Parish. Paul prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 5.2-mile segment of US 425 to four lanes.			
04/95 – 03/00	State Project No. 043-01-0017: Dugdemona River and Relief Bridges, Jackson Parish. Paul prepared preliminary and final roadway plans. This project consisted of the construction of two voided slab span bridges (main bridge and relief structure) and roadway approaches on new alignment.			
11/95 – 06/00	State Project No. 172-01-0011: Bayou DeGlaise Bridge, Morehouse Parish. Paul prepared preliminary and final roadway and final roadway plans. This project consisted of the construction of a slab span bridge and roadway approaches on new alignment.			
01/97 – 10/99	State Project No. 026-05-0017: LA 15 (Sicily Island – Jct. LA 913), Catahoula Parish. Paul was responsible for preparation of preliminary and final roadway and bridge plans. This project consisted of widening a 4.5-mile segment of LA 15 to four lanes as part of the LA TIMED Program.			

01/04 – 05/07	State Project No. 700-30-0061: US 167, Lillie to Arkansas State Line, Union Parish. Paul served as project manager, roadway designer, and surveyor responsible for development of final roadway plans, and right-of-way maps. This project consisted of the conversion of a 7.2-mile section of a rural two-lane arterial route to a four-lane divided arterial route under the LA TIMED Program.
10/07 – 04/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Paul served as project manager, was responsible for QA-QC of the plans, and was surveyor in charge of right-of-way maps. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts.
07/10 – 05/18	State Project No. H.003854: Bossier North-South Corridor from Route I-220/Swan Lake Road Interchange to Crouch Road, Bossier Parish. Paul served as project manager, was responsible for QA-QC of the plans, and was the surveyor in charge of right-of-way maps. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on this project.
02/18 - present	State Project No. H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Paul serves as project manager, is responsible for QA-QC of the roadway plans, and prepared right-of-way maps for the widening of a section of Garrett Road crossing I-20 and connecting to Kansas Lane north of Millhaven Road and the KCS Railroad track to a four-lane arterial route. This project includes the design of five-multi lane roundabouts as well as interstate highway ramp improvements and frontage road realignments and improvements. Final plans for this project are currently 98% complete.
05/08 – 05/12	State Project No. H.004780.5 – Kansas Lane Connector (Route US 80 to Route US 165) City of Monroe Urban systems, Ouachita Parish. Paul served as project manager and surveyor responsible for conducting topographic surveys, property surveys, and developing right-of-way maps as a sub-consultant to Denmon Engineering Co., Inc. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.
11/10 – 05/13	Project Surveyor for Contract No. 4400000685: Retainer Contract for Professional Surveying Services - Statewide. This retainer contract authorized 23 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/08 – 04/11	Project Surveyor on Contract No. 4400000638: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract authorized 15 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
11/11 – 01/15	Project Surveyor on Contract No. 4400001328: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/18 – 03/23	Project Surveyor on Contract No. 4400012667: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 5-year period.
08/22 – present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Paul was responsible for QA-QC of the roadway plans for this project, which consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington, Louisiana. This project is being funded by the Ouachita Parish School Board, and will be constructed under a LDOTD Project Permit.


Firm SJB Group, LLC			
	Karen Kennedy, PE (MPR 8) Vice President of Surveying, SJB	Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	28
Degree(s) / Years / Specialization		BS/1995/Civil Engineering	
Active Registration Number / State / Expiration Date		PE0028547/Louisiana/9.30.2025	
Year Registered		1999	Discipline Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		MPR 8. 7. Subsurface Utility Engineering (SUE) and Utility Relocation. <i>Karen has twenty-four years of experience as a licensed civil engineer working in both the municipal and private sectors. Ms. Kennedy has completed infrastructure improvement, site development and subsurface utility engineering (SUE) projects for LA DOTD, MovEBR, and other local entities and private developers. She has a thorough knowledge of the Subsurface Utility Engineering CI/ASCE Standard 38-22.</i>	

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/23 - present	LADOTD Project No. H.003931 Calcasieu River Bridge Public-Private Partnership Project. Utility Coordinator. SJB Group will provide Utility Coordination for the duration of the project. The I-10 Calcasieu River bridge project is the largest in the history of the LA DOTD and was one of the largest infrastructure contracts commissioned in North America in 2023. The existing bridge demolition and replacement will have a significant impact on existing utility facilities within the limits of the project which is a heavily congested industrial corridor. Utility coordination will be critical to facilitate construction of the improvements while keeping the project on time and within budget.
4/22 - present	LADOTD Project No. H.013797LA 30: EBR PL- I-10 . Engineer of Record Subconsultant. This project is a Stage 1 Environmental Assessment to continue the State 0 Feasibility Studies for the LA 30 Corridor. SJB coordinated with all utility companies for the acquisition of records which were utilized for preparation of the Quality Level D Subsurface Utility Plan Set. Because of the complexity of the pipelines in this heavily congested industrial corridor, the services provided also included a field investigation to determine the arrangement of the pipeline placement throughout the project limits.
10/22 – present	City-Parish Project No. 20-CP-US-0099 – MOVEBR Airline Highway, North (Florida Blvd to Interstate I-110). Engineer of Record.. This project involves a Corridor LiDAR Survey and Quality Level C and D Subsurface Utility Engineering services on portions of northbound Airline Highway between Florida Boulevard and I-110 for the proposed improvements of the four-lane divided arterial to increase capacity and safety in the area as well as improve pedestrian movement through the corridor. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the design of the project.
10/21 – present	City/Parish Project No. 20-CP-HC-0044 – MOVEBR Widening of Lee Drive (Highland to Perkins). SUE Engineer. This project involved ASCE 38-02 Quality Level C SUE services for all utilities within the project corridor as a sub-consultant. Prior to Quality Level C services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This investigation and the construction plans for the roadway are being utilized to prepare a utility conflict matrix and utility relocation allocation plans. Plan in hand meetings and utility coordination meetings with the City of Baton Rouge, MOVEBR Project Management Team, Arcadis and utility companies are required to properly prepare the allocation plans and ensure all utility conflicts have been resolved. Utility coordination will play a major role with the coordination of large transmission lines.


5/21 – present	City/Parish Project No. 20-CP-HC-0034 – MovEBR Jefferson at Corporate Intersection. SUE Engineer of Record. Sub to Bucharth Horn. This project involved a Topographic Survey, Property Survey, Right-of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent design.
04/22 – 3/23	City-Parish Project No. 20-CP-US-0100 – MOVEBR Airline Highway, South (Parish Line to Bluebonnet Blvd). SUE Engineer of Record. SJB Group completed ASCE 38-02 Quality Level D services for the project. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project.
1/22 – 6/22	City Parish Project No. 21-DR-LA-0095 – Dawson Creek at Hundred Oaks and Broussard Bridges. SUE Engineer of Record. Sub to Forte & Tablada, Inc. This project involved subsurface utility engineering and utility surveying for the proposed Dawson Creek at Hundred Oaks and Broussard Bridges. This project required ASCE 38-02 Quality Level A and B SUE services for all utilities within the project limits. The accurate location of these facilities was critical for the ultimate design of the bridge infrastructure included in this project as existing utilities were within the footprint of the new bridge bents and pile locations.
11/21 – 3/22	Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10). SUE Engineer of Record. This project involved ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.
8/21 – 2/22	LADOTD Project No. H.012851 – UP RR Corridor (Plaquemine). SUE Engineer of Record. This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue. Anticipated utilities were water, gas, telephone, cable, and fiber optic. This was heavily congested corridor with limited existing utility records.
9/20-present	City Parish Project No. 20-EN-HC-026 S. Sherwood Forest Blvd. Sidewalks (Coursey Blvd. to I-12. Engineer of Record/Project Manager This project involved topographic survey and design of a new sidewalk facilities. The topographic survey included the inclusion of utility records for the project and the design of the project included coordination to avoid, relocate or adjust utility features in conflict with the proposed design.
4/18-07/20	Kimbleton Estates 3rd Filing. Engineer of Record/Project Manager. This project involved the civil site design of a single family residential neighborhood. Coordination of connection to existing utilities and assurance of the capacity to serve the development was required. Design of the subdivision also included accommodation of existing sewer utilities and servitudes traversing the site.
1/16-11/18	Heron Downtown. Engineer of Record/Project Manager. This project involved the civil site design of a proposed multistory multifamily residential complex. The building was constructed to the property line on all sides therefore location of existing utility infrastructure was critical. There were multiple utility conflicts that required coordination of the actual location relative to the property line and relocation of the utility beyond the project limits.
1998-2002	Ascension Parish Capacity Improvement Projects. Engineer of Record/Project Manager. These projects included the widening of several roadways within Ascension Parish. The design included preliminary and final plans and clearing and grubbing plans. Right of Way acquisition and utility relocations were required to accommodate the newly designed roadways. Utility coordination was necessary for the successful completion of these projects.

Firm		AECOM Technical Services, Inc.	
	John Volk, PE (MPR 9)		Years of Relevant Experience with this Employer
	Vice President, Civil		Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization		MS/1984/Civil Engineer; BS/1983/Civil Engineer	
Active Registration Number / State / Expiration Date		38377/LA/03.31.26 Additional PE Licenses: PA, NJ, DE, NY, VA, OH, WI, IN, MD, WV, CT, SC, NC, TX	
Year Registered		2013	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		MPR 9. 8. Geotechnical Engineering. <i>John is a geotechnical engineering manager with significant experience in soft soils and ground improvement for major earthen levees and port projects throughout the Gulf Coast and East Coast with contract values more than \$1 billion. He develops cost-effective solutions for foundation improvement and slope stabilization for challenging soils. John's geotechnical analysis and design experience includes seepage and slope stability, settlement, deep foundation design (driven piles, drilled shafts), floodwalls, closure gates, sector gates, and embankment design, following HSDRRS. John has 39 years of experience in the subsurface investigation, foundation design, retaining and earth structures, levees, dam and floodwall design of numerous projects in Pennsylvania and surrounding states (registered in 14 states). He has been significantly involved with Levee/Floodwall Reconstruction in New Orleans and levee design for 15 years.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
11/2019 - 06/2024	I-635 East Design-Build Reconstruction Project, Dallas, Texas. Project Geotechnical Engineer. Responsible for retaining wall design for the I-635 East Reconstruction Project in Dallas, Texas. This 11-mile design-build highway project (\$1.75 billion) involves 96 MSE retaining walls that range from 15 to 40 feet in height. The highway is underlain by thick deposits of stiff clays. Ground improvement involving limited over-excavation and replacement with crushed aggregate was required to meet stability and bearing requirements. Significant geotechnical investigation and laboratory testing program was performed as part of design.		
01/17 - 06/2024	Mid-Barataria Sediment Diversion Project, Plaquemine Parish, Louisiana. Senior Geotechnical Reviewer. Senior Geotechnical Reviewer for pile foundations and deep soil mixing for key elements of this \$1.9 billion project in the soft clays of south Louisiana. Major structures include the 250 by 600 ft inlet structure through the Mississippi River levee, a 2200-ft long railroad bridge, 2200-long highway bridge, 1800 ft long access bridge, and 30-ft high retaining walls. All major structures will be pile supported primarily with 24 to 30-in open-end steel pipe piles up to 120-ft long but also 24 and 30-in square concrete piles, H-piles, and timber piles. Over 2500 piles will be driven, and 27 static load tests will be performed to verify pile design.		
01/16 - 06/21	I-64 Reconstruction in Virginia Beach, Virginia. Principal Engineer. Principal Engineer involved with the \$100 million I-64 Reconstruction in Virginia Beach, Virginia. John is responsible for ground improvement on approximately 2 miles of soft ground construction. Ground stabilization techniques that have been evaluated and utilized include: wick drains and surcharging, high-strength geotextile as base reinforcement, precast piled embankment., and lightweight fills (low density cementitious fill). Extensive instrumentation was utilized to monitor the performance of the soft soils.		


01/07 – 12/14	Design and re-construction of levees of 25 miles in New Orleans East. Lead Geotechnical Engineer. Lead geotechnical engineer for 7.5 miles of levees utilizing wick drains, high-strength geotextiles, and deep mixing methods for ground improvement. LPV 109.02a is a 7.5 mile reach in New Orleans East that included using I-10 as a levee. The existing levees were raised approximately four to seven feet with a protected side raise on virgin ground. The new levee construction requires embankment construction in two stages to heights of 18 to 22 feet above existing grades of the tidal marsh. The raises were be accomplished with the use of stability berms, wick drains and high-strength geotextiles and geotechnical instrumentation. DMM (soil-cement mixing) was utilized under the drainage structures and pump stations.
01/20 – 12/23	Galveston District of USACE 11 Miles of Levees, Freeport, Texas for the USACE. Lead Geotechnical Engineer. Lead Geotechnical Engineer for 11 miles of levees in Freeport, Texas for the Galveston District of USACE. This project includes over 400 explorations (test borings and CPTs) and extensive laboratory testing program. The existing levees will be raised approximately two to seven feet with a protected side raise. The levees protect from the East Brazos River and include earthen levees, T-walls and I-walls. H-piles will be used for the deep foundations of structures. .
01/20 – 12/20	Southern Pennsylvania Transportation Authority (SEPTA), Township Line Station, Havertown, PA. Project Geotechnical Engineer. Geotechnical investigation and geotechnical recommendations for upgrades to station platform.
01/24 – present	SEPTA, Wawa to Elwyn Line Reconstruction, Lenni, PA. Project Geotechnical Engineer. Geotechnical recommendations for design and construction of pile foundations including H-piles and micropiles.
01/24 – present	SEPTA, Newtown Bridge Reconstruction, Newtown, PA. Project Geotechnical Engineer. Geotechnical recommendations for design and construction of drilled shaft foundations in Neshaminy Creek.
01/23 – present	PennDOT, P3 Rapid Delivery Bridge Replacement Project, Districts 4-0, 5-0, 6-0, 8-0, Various Counties, PA. Lead Geotechnical Engineer. Responsible for the site reconnaissance and site characterization data along with preliminary foundation recommendations for 125 bridges extending across Districts 4, 5, 6, and 8.
01/14 – 05/16	Design & CM IDIQ Inner Harbor Navigation Canan Miter Gates, LA. Geotechnical Engineer. AECOM, in joint venture, provided construction management services for the replacement of the miter gates at the Inner Harbor Navigation Canal.
01/16 – 12/16	Upper Dublin Township, Flood Retarding Structures, Upper Dublin, PA. Principal Geotechnical Engineer. This project involved two flood control structures on Pine Run and Rapp Run with a storage area of 400 acre-feet. The 15-foot-high dry dams with labyrinth weirs were designed and constructed to reduce flooding in Fort Washington Business Park. Provided a diverse range of services including geotechnical, hydraulics and hydrology, surveying, environmental, permitting, and plans, specs, and cost estimating.
01/08 – 12/08	Philadelphia Eagles Stadium, Philadelphia, PA. Geotechnical Engineer of Record . Responsible for stadium foundations that involved 3,700 pipe piles to depths of 120 feet. A test pile program using PDA and CAPWAP analyses assisted in the design and in estimating tip elevations for construction. Capacity of the piles was confirmed by pile load-tests. Seismic evaluation included development of multilevel site-specific bedrock ground motions and site response spectra for structural engineers. A liquefaction evaluation was also performed.

Firm		Ardaman & Associates, Inc.		
	Megan Bourgeois, PE (MPR 9)		Years of Relevant Experience with this Employer	18
	Project Engineer		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS / 2006 / Civil Engineering Traffic Control Supervisor Refresher / LA / 8-7-2024 DOTD Flagger / LA / 8-8-2024 Certified NHI Drilled Shaft Inspector		
Active Registration Number / State / Expiration Date		36725 / LA / 03-31-2026		
Year Registered		2011	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities		MPR 9. 8. Geotechnical Engineering. <i>Megan brings nearly two decades of experience with shallow foundation design, embankment settlement analysis, pile and drilled shaft foundation analysis, LRFD design, slope stability (embankment and excavation), pipeline and pump station recommendations, geotechnical instrumentation, installation and monitoring, and construction phase testing and laboratory management. She has managed numerous geotechnical investigations and design evaluations, managed laboratory testing programs, while also serving as Ardaman's program manager for many LADOTD projects for bridges and roadways throughout Louisiana. Megan also serves as the director of our geotechnical engineering laboratory in Baton Rouge. In this role, she supervises the laboratory manager, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocol is followed and deadlines are met in addition to providing training material and maintaining all laboratory certifications, including AMRL, CCRL, DEQ & USACE.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
10/09 - present	SP No. H.004646.5 / I-20 Mississippi River Bridge Review, Vicksburg, MS. Project Manager. Megan manages this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. She managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in refining the geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing, she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing planes, stress-reversal direct shear tests to determine true residual angles of critical strata. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, she performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. She co-authored the geotechnical analysis and design report. Currently, she is managing a phase of the project that included upgrading the entire instrumentation communication system and will be monitoring this system continuously.			
10/18- 06/21	SP No. H.000263 / Chef Menteur Pass Bridge & Approach, Orleans Parish, LA. Project Manager. Managed and oversaw all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. She also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.			


04/21-present	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-present	Sp No. H.004100.5 / I-10: La 415 To Essen Lane On I-10 & I-12 (Cmar): Baton Rouge Parish, LA. Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
07/21-01/22	SP No. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA. Project Manager. Managed all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. She also managed and oversaw the laboratory testing program, processing and analyzing of the ECPT and ER data. She also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
03/19-07/20	SP No. H.004100.5-2 / I-10 Widening (La 415 To Howard St): East Baton Rouge Parish, LA. Project Manager. Managed all aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity imaging along the entire alignment, laboratory testing and the preparation of a geotechnical data report.
12/12- present	SP No. H.009266 / I-10 Widening La 73 To La 30: Ascension Parish, LA. Project Manager. Managing all aspects of the project that include field investigations consisting of 13 deep soil borings and 26 shallow soil borings, laboratory testing, and engineering design in support of the widening of the East and Westbound lanes and elevated structures along I-10 between LA 73 and LA 30 spanning approximately 5 miles. Ms. Bourgeois performed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag considerations, and pavement section recommendations; all completed according to DOTD standards.
09/20-present	SP No. H.013897 / College Dr Flyover Ramp I-10 / I-12: East Baton Rouge Parish, LA. Project Engineer / Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well served as quality control and review of all acceptance verification sampling and testing during construction.
02/20-present	SP No. H004791 / Design Support Services LA 23, Belle Chasse Bridge & Tunnel: Plaquemine Parish, LA. Project Engineer/Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well served as quality control and review of all acceptance verification sampling and testing during construction.

Firm AECOM Technical Services, Inc.			
 David Wymore, PE (MPR 10) Associate Vice President, Houston Highway Manager	Years of Relevant Experience with this Employer 11		
	Years of Relevant Experience with Other Employer(s) 13		
Degree(s) / Years / Specialization	BS/2002/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0043157/LA/3.31.25		
Year Registered	2018	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	MPR 10. 9. Roadway Design and Hydraulic Engineering Services. <i>David specializes in the management of transportation projects in rural and urban environments. He has performed the roles of GEC, Owner's representative, engineering manager, and project manager for the past 15 years, including design-build projects.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
12/18 – 05/19	I-10 to Loyola Dr. Interchange (Design Build) (S.P. No. H.011670), Tender Offer, Boh Bros, LADOTD, Jefferson Parish, LA. <i>Roadway Design Manager.</i> Design build proposal to modify the I-10 interchange at Loyola Drive to provide direct access connector ramps for traffic flowing to and from the new passenger terminal at Louis Armstrong International Airport. Led QC design team in review of proposal plans, proposal narrative, and ATC evaluations. Checked quantity takeoffs for consistency with plan set. Contributed to development of design build teams proposal narrative.		
01/19 – present	Broadway St. Design-Build for Reconstruction of Main Lanes from Houston St. to IH 35, City of San Antonio, San Antonio, TX. <i>Design Manager.</i> Oversaw the design of 1 miles of city street reconstruction. The reconstruction consisted of a complete replacement of the city street. The project consisted of reconstructing an existing 4-lane City of San Antonio street. The project included a complete street concept, side street parking, multiple utility relocates, ESA I&II, sidewalks traffic signals, and drainage improvements. He also managed six subconsultants.		
08/14 – 12/16	IH-10, PS&E, TxDOT, Sealy, TX. Project Manager. David oversaw the design of Segment 1 which is 3.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges. The project consisted of reconstructing an existing 4-lane main lane concrete pavement divided facility to a proposed 6-lane concrete pavement undivided facility and reconstructing existing frontage roads on either side. David developed the horizontal and vertical alignments for the main lanes, two frontage roads, nine ramps, two cross streets and four bridges. He designed 11 mechanically stabilized earth (MSE) retaining walls. David designed a traffic control plan which narrowed lanes but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane and frontage roads were maintained the full 24 months of construction. Oversaw the removal, drainage, signing, pavement markings, CTMS, overhead sign bridges, storm water pollution prevention plans, bridge specifications and cost estimates. He also managed eight subconsultants.		
12/10 – 04/12	US 79, PS&E for Reconstruction of Two-Lane Roadway to Four-Lane Roadway, TxDOT, Houston, TX. Project Manager. Prepared construction documents for widening an existing 2 lane undivided facility to four lanes with a continuous left turn lane for 1.4 miles and upgrading the existing 2 lane undivided facility to a four-lane divided facility for 2.9 miles. David used Geopak to develop the horizontal and vertical alignments. The project consisted of widening four existing culverts. He also developed a new drainage scheme to accommodate the additional impervious area. The project required the realignment of two County Roads.		


08/06 – 06/10	<p>US 290 (Segment 4) PS&E, TxDOT, Houston, TX. Project Manager. Oversaw the design of Segment 4 which is 2.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges and reconstructing an existing 8-lane main lane concrete pavement undivided facility to a proposed 10-lane concrete pavement undivided facility and reconstructing existing frontage roads on either side. David developed the horizontal and vertical alignments for the main lanes, two frontage roads, six ramps, four cross streets and eight bridges. He designed 10 mechanically stabilized earth (MSE) retaining walls, nine sound walls, and four pedestrian block walls. Designed a traffic control plan which narrowed lanes but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane, frontage road, and HOV were maintained the full 38 months of construction. The project required the design of three diamond intersections and 13 high mast lights to be installed. Extensive grading was required for constructing eight bridge header banks, five detention ponds totaling 140 acre-ft of storage and raising the existing frontage road up by three feet. Oversaw the quantities to include removal, drainage, signing, pavement markings, CTMS, overhead sign bridges, storm water pollution prevention plans, bridge specifications and cost estimates</p>
06/11 – 02/12	<p>Gaines Road, Widen Intersection and Signal Improvements, Fort Bend County, Houston, TX. Project Manager. David prepared construction documents for widening the existing intersection along Gaines Road and installing a signalized intersection. David redesigned the existing open ditch to a closed storm sewer.</p>
02/11 – 06/12	<p>South Mayde Creek, New Construction of Neighborhood Road, TxDOT, Houston, TX. Project Manager. David performed construction oversight for approximately 9,600 LF of 10-foot wide trail for pedestrian and bicycle use along South Mayde Creek. The trail is located along the north and south banks of the existing Harris County Flood Control District (HCFCD) drainage channel (South Mayde Creek) between Key Hole Lane and Heathergold Drive. A bridge connects the south and north trail segments across South Mayde Creek at Heathergold Drive, and there is one reinforced concrete box crossing and another bridge crossing at two tributary locations.</p>
12/08 – 02/11	<p>PS&E for Widening of Main Lane and Bridges from Four Lanes to Eight Lanes, Sam Houston Tollway, Houston, TX. Project Engineer. David prepared construction documents for widening an existing 4 lane undivided facility for 2.8 miles. He used Geopak to develop the horizontal and vertical alignments for ramps with toll booths. He designed five mechanically stabilized earth (MSE) retaining walls. The project consisted of widening two existing bridges. One of the bridges was over Union Pacific Railroad which required rail road exhibits and coordination. He developed a new drainage scheme to accommodate the additional impervious area.</p>
12/08 – 02/11	<p>CR 257, Reconstruction of Two-Lane Roadway Destroyed by a Hurricane, Brazoria County, Surf Side, TX. Project Engineer. David prepared construction documents for spot repairs and full roadway reconstruction from damage received by hurricane Ike for 9.7 miles. He used Geopak to develop horizontal and vertical alignments and cross sections.</p>

Firm AECOM Technical Services, Inc.	
 Ken Butler, PE (MPR 11) Senior Vice President, Civil	Years of Relevant Experience with this Employer 28
	Years of Relevant Experience with Other Employer(s) 12
Degree(s) / Years / Specialization	BS/1984/Civil and Environmental
Active Registration Number / State / Expiration Date	31476/LA/3.31.25 Additional active license: PE VA, FL, MD, PA, SC, NC, CA, DC, DE, NY, NJ
Year Registered	1991
	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>MPR 11. 10. Bridge Design Services. Ken brings 37 years of experience and national recognition for his performance on high profile bridge projects. He has been involved with the management, design, and construction of 35 major and complex bridges worth more than \$5 billion in construction cost. He has played significant roles on eight major alternate delivery projects including: the \$463 million Harry W. Nice/Thomas "Mac" Middleton Bridge in Newburg, MD; \$449 million Frederick Douglass Memorial Bridge Project in Washington D.C.; \$227 million historic Arlington Memorial Bridge design build project in Washington D.C.; the \$1.3 billion PPP I595/I95/I75/FLTP Corridor Improvements in Fort Lauderdale, Florida; the \$250 million design build Carolina Bays Parkway in Myrtle Beach, South Carolina; the \$1.5 billion design build Tren-Urbano mass transit project in San Juan, Puerto Rico; the \$150 million design build Indian River Inlet cable stayed bridge replacement in Rehoboth Beach, Delaware; and the \$1.3 billion PPP Edmonton LRT project (Tawatina extradosed cable stayed bridge) in Edmonton, Alberta, Canada. He has provided designs, project management, construction support and construction engineering inspection services to 14 state agencies, as well as several toll authorities.</p>
Experience Dates	Experience and qualifications relevant to the proposed contract.
06/14 – 06/18 (Bridge Lead) 06/18 – present (QA Lead)	<p>LADOTD (H.004273) I-49 Connector, Lafayette, LA. Principal Structure Lead. Ken serves as Principal Structure Lead for the 3.5-mile long elevated precast segmental and prestressed concrete u-girder urban viaduct; four flyover connector ramps; three multi-level interchanges; two elevated SPUI's (signature bridges – arches and cable stayed); eleven overpass structures; three railroad bridges; and 27,000-feet of retaining wall.</p>
10/19 – present	<p>MDTA Harry W. Nice/Thomas "Mac" Middleton Bridge Replacement Project, MD. Design Manager. Ken serves as the design manager for this 1.9-mile long bridge over the Potomac River. Project includes major bridge design over a navigable channel; environmental permitting; 200-ft deep foundations; roadway design; staged construction; and demolition of the existing bridge over the Potomac River. As design manager, Ken is responsible for managing 60+ designers for designs, plans, special provisions, shop drawings, and working plans for all design disciplines; implementing and overseeing the QA/QC program; integrating with contractor, designers and owner in project office; budget and schedule compliance; and constructability and VE reviews. He has full professional liability for all engineering decisions and the final work product. The design took 1-year and he continues to provide construction support to the Design Builder.</p>

08/17 – present	<p>DDOT Frederick Douglass Memorial Bridge Project, Washington, DC. <i>Design Manager.</i> Ken serves as the design manager for this signature bridge project over the Anacostia River. Creation of a signature bridge and overall project aesthetics were key drivers behind the project to satisfy the Commission of Fine Arts and the National Capital Planning Commission. The 1,445-ft long bridge is comprised of three springing cable stayed arch spans at 452.5'-540'-452.5' supported by cable stays. The project includes traffic ovals; major Interstate reconstruction; complex MOT; utilities; new river bridge being built parallel to existing bridge; roadway transitions; H&HA scour; drainage and erosion and sediment control; environmental permitting; roadway lighting; bike/pedestrian facilities; landscape; etc. Duties include managing 130 designers for designs, plans, special provisions, shop drawings, and working plans for all design disciplines; implementing and overseeing the QA/QC program; integrating with contractor, designers and owner in project office; budget and schedule compliance; and constructability and VE reviews. He has full professional liability for all engineering decisions and the final work product. Load rating as well as an Owner & Inspection Manual were also part of the design scope. Ken began this project in 2016 during the pre-bid phase and was committed full time for two years through the design and construction. The design took 1.5 years and he continues to provide construction support to the Design Builder.</p>
10/18 – 12/21	<p>NPS/FHWA-EFLHD Arlington Memorial Bridge, Washington, DC. <i>Designer of Record.</i> Ken served as the Designer of Record for this historic arch bridge rehabilitation project over the Potomac River. Primary components of the project included complete re-decking of the 2,162-foot-long bridge with precast concrete deck panels using stainless steel reinforcing; complete replacement of interior arch supports; and total replacement of the central bascule span with 280-foot-long fixed steel girder spans. Ken's roles on Arlington Memorial Bridge and the Frederick Douglass Memorial Bridge Project were concurrent, and Ken had full professional liability for engineering decisions and final work product.</p>
01/14 – 12/20	<p>City of Edmonton Tawatina Bridge on Valley Line SE, Edmonton LRT, Alberta, Canada. <i>Technical Advisor.</i> Ken was a technical advisor responsible for reviewing the extradosed cable stayed bridge base design & performance specifications; supporting the owner during technical proposal reviews and bid selection; and providing technical input during construction to the owner. The concrete segmental extradosed cable stayed bridge is 1,248-ft long over the North Saskatchewan River and includes 290-ft of cable stay spans</p>
03/11 – 08/14	<p>TxDOT, IH-35 Bridges over Brazos River, Waco, TX. <i>Technical Director.</i> Ken served as the technical director for these twin extradosed cablestayed bridges that serve as the gateway entrance for the city of Waco, Texas. He was responsible for the technical development of the bridge design. His services included input and oversight of design methods & criteria, stay configuration, superstructure details, erection schemes, and analysis procedures. The bridge is a 3-span structure 185'-250'-185' (steel trapezoidal box superstructure). As Technical Director he was also responsible for assigning the design team as well as the quality control team.</p>
01/11 – 08/14	<p>LADOTD (State Project No. 700-92-0016) Florida Avenue Bridge, New Orleans, LA. <i>Bridge Lead.</i> Bridge lead for the design efforts for the \$100 million 1,500-foot-long 5-span main unit crossing the Inner Harbor Navigational Canal. Directed the preliminary and final design phases for the section of bridge, which includes a 470-foot main span over the canal with 156-foot vertical and 300-foot horizontal navigational clearances. Two alternates were developed during the final design for the main unit including steel plate girders and cast-in-place variable depth concrete box girders. The overall project consisted of approximately two miles of elevated structure including high level approaches comprised of prestressed concrete bulb-T girders and curved steel girder interchange ramps.</p>


		Firm AECOM Technical Services, Inc.	
Gary Maji (MPR 11) Associate Vice President, Senior Project Manager		Years of Relevant Experience with this Employer	25
		Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization		BS/1988/Civil Engineering	
Active Registration Number / State / Expiration Date		PE.0043044/LA/3.31.25 Additional active license: PE CO, UT	
Year Registered		2018 (LA)	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		MPR 11. 10. Bridge Design Services. Gary has been in responsible charge of the project/program management, design, rehabilitation, and reconstruction of urban streets, highway bridges and railroad bridges and box culverts built in accordance with AASHTO and AREMA specifications. He has led multi-disciplinary teams throughout the development of the conceptual, preliminary and final design phases and on-call engineering contracts for federal, state and local agencies. His experience includes right-of-way/surveying, environmental, and utility coordination throughout project development. His experience includes the design and preparation of steel and concrete girder bridge plans, project special provisions and project cost estimates formatted in accordance with capital project guidelines.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
03/21 – present	LADOTD, I-49 Connector, Lafayette, LA. Structure Task Manager. Conceptual and preliminary design of this 7-mile reconstruction of I-49 through downtown Lafayette, LA. This project has a budget projected over \$1 billion and includes approximately 20 bridges and numerous retaining walls. Bridges span over several interchanges, Vermilion River, short line railroads and a roadway grid network through the Lafayette Central Business District. Structure designs included the evaluation of a 2-mile viaduct structure and a signature span structure considering cast-in-place segmental, spliced concrete tub girders, arched-rib and cable-stayed structure types that integrated context sensitive solutions into the bridge and structure design. Gary recently submitted two conceptual design submittal packages for highway grade separations across BNSF and LDRR track.		
05/20 – present	South Academy Blvd over BNSF Rehabilitation, El Paso County, CO. Structure Lead. Bridge rehabilitation design for an 800-ft, 6-span, steel plate girder bridge over BNSF tracks in Colorado Springs. As part of the bridge preservation efforts, Gary's team conducted nondestructive testing to evaluate the existing deck condition, performed a fatigue assessment and load rating analysis to develop retrofits for fatigue prone details and identified expansion joint and bearing repair and replacement details to extend the bridge design life. Design efforts include railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.		
05/09 – present	City of Fort Morgan, I-76 Corridor Design, Fort Morgan, CO. Project Manager, Structures Task Manager. Preliminary and final design of more than 27 structures along I-76 within a 16-mile corridor. This design work required safety improvements at four interchanges and complete reconfiguration at three other interchanges. Bridges crossed over canals, county roads, waterways, and the BNSF railroad. As part of the design of the I-76 Bridges over BNSF and Beaver Creek, Gary managed the development and submittal process for the conceptual, preliminary and final design requirements performed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.		

03/13 – 05/21	Lemay Avenue over BNSF/Vine Improvements, City of Fort Collins, CO. Structure Manager. Planning and design development for a new bridge crossing over Vine Street and the BNSF Railway tracks in northeast Fort Collins. Using a CM/GC project delivery, Gary's structure team led the design of a single-span bridge, (13) rockery retaining walls, and a pedestrian underpass structure that improves safety and provides multimodal connectivity to this area of the city. Design efforts included railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.
04/16 – 11/20	CDOT, C-470 Express Lanes D/B, Denver, CO. QA/QC Manager. As part of CDOT's \$215 million C-470 Express Lanes Design Build Project, AECOM designed and constructed 16 bridges and 18 overhead sign structures for this 12.5-mile corridor in Denver, Colorado. Bridge designs included widenings, rehabilitations and new construction in accommodate the interstate roadway re-configuration. Signs were designed in accordance with AASHTO'S Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and CDOT's Bridge Design Manual. As QA/QC Manager, Gary created project work plans, design protocols, and developed a project specific quality manual.
09/18 – 05/19	LADOTD, I-10 at Loyola Avenue Interchange Design-Build Tender Offer, Kenner, LA. Proposal Project Manager and Structural Design Manager. Interchange improvements at the I-10 at Loyola Drive to provide new direct access ramps to handle traffic to and from the new passenger terminal at Louis Armstrong International Airport. Duties included coordination with the contractor and all design tasks to prepare the proposal along with review and evaluation of multiple alternative technical concepts. Led plan development and quantity calculations for contractor bid.
05/13 – 07/15	LADOTD Jimmie Davis Bridge, Shreveport, LA. Bridge Engineer. Responsible for the conceptual design and report for bridge replacement and rehabilitation alternatives of the Jimmie Davis Bridge over the Red River. Design efforts evaluated spliced-concrete U-girder, cast-in- place concrete segmental and steel plate girder alternatives.
02/12 – 05/15	Fossil Creek Trail Underpass at BNSF, City of Fort Collins, Fort Collins, CO. Project Manager and Structural Task Leader. Responsible for the conceptual and preliminary design of a trail underpass structure through an existing 25-ft railroad embankment. Developed design details, structural reports and cost estimates for both bridge and tunneled structure types for approval by BNSF Railway. Designs incorporated E-80 live load conditions developed in accordance with AREMA criteria. Also led efforts for the development and received approval for the PUC underpass agreement.
03/08 – 10/11	US 50 over BNSF Railway, Prowers County, CO. Quality Manager. Gary provided quality oversight for the multi-disciplinary preliminary and final design engineering, and construction support services for the construction of a new bridge and roadway alignment across BNSF Railway tracks for the CDOT Region 2 Lamar Residency. The project included a roadway alignment study to confirm the preferred alignment for the reconstruction of the new US 50 overpass. Extensive stakeholder coordination was required to facilitate the NEPA process and maintain schedule. The design team also used the UPRR/BNSF RR Grade Separation Guidelines to initiate and facilitate the railroad submittal and approval process.


Firm		Gresham Smith	
	Tom Tran, PE (MPR 11) (Thong Quang Tran)		Years of Relevant Experience with this Employer
	Senior Bridge Engineer		Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization		BS/1991/Civil Engineering	
Active Registration Number / State / Expiration Date		PE 32072/LA/03.31.2026	
Year Registered		2005	Discipline PE Civil
Contract Role(s) / Brief Description of Responsibilities		MPR 11. 10. Bridge Design Services (Inspection). As a senior bridge engineer, Tom will lead bridge-related QA/QC efforts.	

Experience Dates	Experience and qualifications relevant to the proposed contract.
6/19 – 03/20	LADOTD, Complex Bridge Inspections, Statewide, LA. QA/QC. Task Order 1 - Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the LA1 Truss over Atchafalaya River at Simmesport, LA8 Segmental Bridge over Red River at Boyce and the US165 Vertical Lift Bridge over Red River. Gresham Smith was able to complete the inspection of Bridge 005860, in Jeanerette, a steel swing truss and Bridge 009130, in Charenton, a steel swing truss – within the original budget for the initial three bridges.
04/20 – 9/20	LADOTD, Complex Bridge Inspections, Statewide, LA. Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA QA/QC. In April 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to perform the bridge repairs to open the bridge. Working with the selected contractor, helical piles were designed to support the new column foundations and crash wall.
07/20 - present	LADOTD, Complex Bridge Inspections, Statewide, LA. QA/QC. Task Order 3 - Retainer project for various movable bridge inspections. Completed hands-on inspection of fracture critical elements on several structures and coordinated the efforts of mechanical and electrical staff and served as EOR for the reports including the Bridge 006210 Vertical Lift Bridge at Loreauville, LA, Bridge 054360 Gross Tete Steel Swing Bridge and Bridge 054472 Indian Village Steel Swing Bridge in Iberville Parish. Due to cost savings on the initial 3 bridges in Task Order 2, we were able to complete the inspection of Bridge 006306, Bayside Bridge in Jeanerette, a steel swing bridge – within the original budget.
6/14 – 03/17 With another firm	LADOTD, Complex Bridge Inspections, Statewide, LA. QA/QC. Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the Louisa Bascule Bridge in St. Mary's Parish. John served on the field inspection teams for the I-20 Mississippi River Bridge in Vicksburg and the LA 47 Bridge over the Mississippi River Gulf Outlet. The study was to determine the structural adequacy of the bridge with the addition of a center median.
06/21 – 08/21	FLDOT, Florida DEP, Florida Keys Overseas Heritage Trail Historic Bridge Evaluation, Marathon, FL. QA/QC. Florida DEP selected Gresham Smith to inspect and evaluate two historic bridges, the Seven Mile Bridge and the Bahia-Honda Historic Truss. Both structures are closed to traffic.
07/19 – present	TDOT, Complex Bridge Load Ratings, Statewide, TN. Senior Bridge Engineer. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam – stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam-stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for center span bridges. The standard structures were analyzed using the AASHTOWare BrR software. Tom provided quality control review for the complex arch structures.


08/20 – present	GDOT, State Wide Engineering On-Call for Bridge Repair, Statewide, GA. Project Manager. This contract includes, Inspection, load rating and repair of problematic bridges thru out the state of Georgia. Typical scope includes inspection of bridge, verification of repair needed, development of repair plans, development of special provision, advertisement of project, review of shop drawings and post construction services as needed.
11/14 – 10/17	MDOT, MS-309 Bridge Replacements, Marshall County MS. Lead Bridge Engineer. Tom served as the EOR for this project. The design included replacing full timber structures with AASHTO beam structures supported by either concrete piles or pipe piles. Span lengths ranged from 41' to 140'. Structure arrangements varied from 3-span to 6-span structures. Work included Services During Construction, scheduled for completion Fall 2021.
11/13 – 10/14	MDOT, Roadway WA #4: US 82 Underpass Bridge Removal at Leland, Leland, MS. Lead Bridge Engineer. Gresham Smith was tasked with the US 82 Underpass Bridge Removal projects to provide a feasibility study and engineering design services as required to prepare Phase A (preliminary design) plans for removal of an abandoned railroad under-pass bridge and reconstruction of approximately 1,000 linear feet of US 82 near the Old Hwy. intersection in Leland.
08/07 – 01/12	GDOT, SR 10/US 78 Bridge Replacement at Apalachee River, Walton, GA. Senior Bridge Engineer. This project consists of replacing the existing SR 10/US 78 bridge over the Apalachee River at the Walton/Oconee County line. The existing 418-foot-long historic westbound bridge is to be replaced with a 410-foot-long bridge located north of the existing bridge. The historic bridge will remain in place. The existing 397-foot-long east bound bridge will remain. The contributing basin is 136.16 square miles. The existing bridge has a studied flood plain and floodway.
01/13 – 06/14	LADOTD, ITS Design and Implementation Services, WO#4: I-10 Twin Span ITS-Orleans & St. Tammany Parishes, Statewide, LA. Structures Design Lead. Tom led the detailed structural analyses of new camera poles and the DMS poles could be installed on the existing foundations within the bridge structure. The DMS pole required a butterfly cantilever to support the new front access LED DMS enclosure. This was the first of each to be installed along the interstate system in Louisiana.

Firm Gresham Smith		 John Weres, PE (MPR 11) Senior Bridge Engineer		Years of Relevant Experience with this Employer	6		
Degree(s) / Years / Specialization				BS/1980/Civil Engineering		Years of Relevant Experience with Other Employer(s)	37
Active Registration Number / State / Expiration Date				PE 36429/LA/03.31.2025			
Year Registered		2011 (LA)/1985 (PA)	Discipline	PE Civil			
Contract Role(s) / Brief Description of Responsibilities		MPR 11. 10. Bridge Design Services (Inspection). As a bridge engineer, John will oversee design of bridge structures. His 40+-year career includes diverse structure related activities including inspection, alternatives analysis, final design and construction management and program management. Experience includes multi-level interchanges, complex geometry, truss rehabilitations and suspension bridge rehabilitations, phased construction, deep foundations, complex pier geometry, and movable bridge inspection and design. John served as Team Leader on several LA DOTD complex bridge inspections and as Project Manager for underwater bridge inspections for TDOT. NHI Certified 130055 (Team Leader), 130078 (Fracture Critical Steel), and 135048 (Countermeasure Design). Also, FAA Part 107 USAS (drone) licensed pilot.					
Experience Dates		Experience and qualifications relevant to the proposed contract.					
04/12 – 11/12		PennDOT District 12-0, Keystone Lake Bridge Emergency Replacement, Westmoreland County, PA. Project Manager. John served as project manager for the \$1.2 million emergency replacement utilizing design/build concepts for an 80' concrete box structure. Following an emergency closing of the bridge, PennDOT selected John's firm to perform the emergency design based on a history of quick resolutions. The design was coordinated with a contractor hired to perform the emergency replacement, therefore, design-build principals were utilized and the design was based on readily available precast concrete beams. The design was coordinated with the state park personnel to reduce impacts on the patrons. Environmental concerns included the relocation of mussels at the bridge site and the construction equipment utilized mineral oil rather than diesel fuel for the pile driving equipment to avoid overspray into Keystone Lake. Form liners and stained concrete were utilized to meet context sensitive design requirements.					
01/09 – 12/11		PennDOT District 1-0, Cooperstown Bridge Replacement. Project Manager. \$2.2 million offline replacement of a 2-span, 135' concrete box structure founded on steel pile foundations. John served as project manager for the preliminary and final design phases. An extensive public communications process was coordinated with the engineering analysis to determine the preferred location of the new structure and to maintain traffic on the existing structure during construction. Coordination with the PA Fish & Boat Commission was conducted to install a new parking lot for fisherman within the footprint of the existing bridge approach roadway.					
06/11 - 12/13		PennDOT District 10-0, Kimmel School Bridge. Project Manager. John served as project manager for this \$3 million project that included design of a 220' superstructure replacement project using phased construction. The bridge carried US 22 on four lanes of heavily traveled roadway. The superstructure was replaced in phases to maintain traffic at all times.					
01/12 – 01/14		North Carolina DOT, Division 9 Group J Bridge Replacements. Lead Structure Engineer. John served as lead structure engineer for the replacement of six stream crossing structures using NCDOT Low Impact Bridge Replacement guidelines for Sub-Regional Tier structures. Plan development for final design includes one, two, and three-span structures utilizing standard cored-slab design plans. Span arrangement development required coordination with hydrology evaluation and environmental agency oversight. Foundation details include both drilled shafts and driven steel piles.					


6/19 – 03/20	LADOTD, Complex Bridge Inspections, Statewide, LA. Project Manager. Task Order 1 - Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the LA1 Truss over Atchafalaya River at Simmesport, LA8 Segmental Bridge over Red River at Boyce and the US165 Vertical Lift Bridge over Red River. Gresham Smith was able to complete the inspection of Bridge 005860, in Jeanerette, a steel swing truss and Bridge 009130, in Charenton, a steel swing truss – within the original budget for the initial three bridges.
04/20 – 9/20	LADOTD, Complex Bridge Inspections, Statewide, LA. Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA Project Manager. In April 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to perform the bridge repairs to open the bridge. Working with the selected contractor, helical piles were designed to support the new column foundations and crash wall. John served as the design coordinator and facilitated the repairs.
07/20 - present	LADOTD, Complex Bridge Inspections, Statewide, LA. Project Manager. Task Order 3 - Retainer project for various movable bridge inspections. Completed hands-on inspection of fracture critical elements on several structures and coordinated the efforts of mechanical and electrical staff and served as EOR for the reports including the Bridge 006210 Vertical Lift Bridge at Loreauville, LA, Bridge 054360 Gross Tete Steel Swing Bridge and Bridge 054472 Indian Village Steel Swing Bridge in Iberville Parish. Due to cost savings on the initial 3 bridges in Task Order 2, we were able to complete the inspection of Bridge 006306, Bayside Bridge in Jeanerette, a steel swing bridge – within the original budget.
03/21 – present	MDOT, SR 149 Simpson County Bridge Replacements, MS. Lead Structure Engineer. Gresham Smith is partnering with MDOT for Phase B (Final Design) for the reconstruction of S.R. 149 near D'Lo, Simpson County, Mississippi. Gresham Smith is designing the two longer structures (Bridge 128.2 and Bridge 128.6). This is the first instance of partial depth deck panels utilized for MDOT as a pilot to verify the ease of construction and as an accelerated (ABC) time condition.
11/17 – 12/20	MDOT, MS-178 Benton County Bridges, Benton County, MS. Lead Structure Engineer. John served as the Lead Design Engineer for the final design of a 2-cell box culvert and two prestressed concrete girder structures in northern Mississippi. These water crossings improved the hydraulic conditions at the sites and incorporated low-maintenance details such as jointless bridges.
07/19 – present	TDOT, Complex Bridge Load Ratings, Statewide, TN. Senior Structural. Gresham Smith load rated 23 continuous and curved steel tub girders and two steel arch bridges with the roadway suspended from the arches by steel cables supporting a floor beam-stringer deck support system for WO#5. Based on our performance on WO #5, we were entrusted with a second work order, WO11-System Bridges and WO12-Off System Bridges, to load rate a total of 41 complex bridges within a 2-3-month time frame to help the State meet a critical FHWA Deadline.

Firm AECOM Technical Services, Inc.	
 Kent Dussom, PE, DBIA Alternative Procurement Manager	Years of Relevant Experience with this Employer 30
	Years of Relevant Experience with Other Employer(s) 9
Degree(s) / Years / Specialization	BS/1985/Civil Engineering; MS/1988/Civil Engineering
Active Registration Number / State / Expiration Date	23633/LA03.31.26 Other active licent: AR, MS, TX, MD
Year Registered	1990
	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	1. Alternative Delivery Technical Services; 11. Plan Development and Letting Support Services. Kent brings a broad view of the planning, design, and construction process. His work includes familiarity with roads, bridges, railways, transit, airports and ports. His management experience includes project planning and studies, environmental evaluations (including field work as well as preparation of NEPA documents), topographic surveys, engineering design, title work and property surveys, development of right-of-way maps, utility coordination, appraisal services, acquisition services and relocations services, and construction management.
Experience Dates	Experience and qualifications relevant to the proposed contract.
05/10 – 05/15	LADOTD (SP No. 700-99-0495), Master Contract for Design-Build. Technical Advisor. AECOM was selected to provide as needed design-build procurement services for the LADOTD. Task Order #1 (SP# 701-65-1478, 2010) AECOM was granted the first task order to assist the LADOTD with the evaluation and recommendations for improvement to the design-build procurement documents. Kent led a task force composed of contractors, engineers, LADOTD, FHWA and public representatives to discuss the current design-build procurement documents and process and to make recommendations for improvements. Recommendations have been made and accepted by the LADOTD Executive Committee and AECOM prepared a review package for the executive committee to present to the Legislature. Task Order #2 (SP# H.004932, 2014-2015) Kent provided technicalaAdvisory services for a DB Procurement of LA 318 at US 90 Interchange, a \$60 million improvement project. The project was successfully bid in May 2015.
12/11 – 06/12	MDOT Airport Parkway Technical Advisor for Preparation of Public-Private Partnership Solicitation, Jackson, MS. Administrative Project Manager. MDOT aggressively moved forward with innovative funding for this high priority project. The Airport Parkway represents the latest "first" that MDOT is completing using a solicited Public-Private Partnership to design, build, finance, operate and maintain this 12-mile controlled access road from downtown Jackson to the airport located west of downtown. Kent was the Administrative Project Manager for the Traffic and Revenue Consulting Services which URS provided for this project and was Deputy Project Manager for the Engineering Technical Advisory Services which was being provided as a separate contract. In both projects, Kent coordinated the delivery of project deliverables to the entire project team that included MDOT, a financial consultant and a legal consultant. This project had an estimate value of \$350 million.
07/13 – present	LaGuardia Redevelopment Program, Port Authority of New York and New Jersey P3. Technical Advisor. Kent provides technical advisory services for the public-private procurement of the reconstruction of the Central Terminal Building and other facilities as part of the LaGuardia Redevelopment Program. Kent led the development the technical requirements (performance specifications) for the P3 procurement documents, including construction, operations, and maintenance, provided procurement support services during project closing, and is leading the technical team overseeing the implementation of the LGA Redevelopment Project. This overall project has an estimate value of \$5.3 billion. Kent also authored the Requirement and Provisions for Work (performance specifications) for construction, operations, and maintenance of the proposed Delta Terminal Reconfiguration at LGA estimated at over \$4 billion (project construction). He is assisting with the implementation of this project as an Owner's Representative.

01/06 – 07/15	<p>MDOT Design-Build Program and Construction Management Services, Various Locations. <i>Technical Advisor.</i> MDOT called on AECOM to assist with the very first large DB projects in Mississippi, by providing engineering consulting services, preparing the DB procurement documents, and developing the DB project specifications for the US 90 Bridges over the St. Louis Bay and Biloxi Bay. Working together, the first bridge procurement was completed in February 2006, less than 6 months following the hurricane. AECOM was also selected to provide the overall program management, including design reviews and construction QA for both bridges. AECOM coordinated all design reviews for all aspects of the projects including bridge design, roadway design, geotechnical design, traffic signals, etc. AECOM also provided monthly progress updates and participated in the project partnering meetings. As DB projects, the bridges were on a very tight schedule that provided for opening of the initial two lanes of the Bay St. Louis Bridge by May 2007, and the initial two lanes of the Biloxi Bridge by Nov 2007. AECOM worked collaboratively with both the owner, MDOT/Federal Highway Administration (FHWA) and the D-B teams so that each D-B was able to beat their schedule deadline and each earned a \$5 million bonus for early completion. In addition, the US 90 Bridge projects have won several awards, including:</p> <ul style="list-style-type: none"> - MDOT was named the Owner of the Year by the DBIA for their innovative use of DB for infrastructure recovery. - AECOM and MDOT were named the recipient of the Construction Management Association of America (CMAA) Program Management Project of the Year Award for Large Infrastructure Projects due to the unique overall success of the project and the program management provided by AECOM. At the end of Section H, please see the attached letter from MDOT Executive Director Larry L. "Butch" Brown regarding this award. - The US 90 Bridge in Bay St. Louis was named the AASHTO National People's Choice Award at the recent AASHTO meeting in Hartford, Connecticut based on voting from the around the nation on the America's favorite project. Please see attached new release from AASHTO. - The Biloxi Bay Bridge was distinguished as the Award of Excellence for Project Management in the FHWA Biennial Awards recognizing 2008 Excellence in Highway Design (please see attached excerpt the publication). <p>Since the development and implementation of these two initial DB projects, AECOM has assisted MDOT with every other DB project they have issued since, that range from \$10 million to over \$300 million including:</p> <ul style="list-style-type: none"> - US 90 St. Louis Bay Bridge Replacement, Hancock and Harrison Counties. Remove old bridge destroyed by Hurricane Katrina and build replacement bridge - Bridge Replacement on US 90 over Biloxi Bay, Jackson and Harrison Counties. Remove old bridge destroyed by Hurricane Katrina and build replacement bridge - I-59 Bridge Widening, Pearl River County. Widen up to seven interstate bridges to provide shoulders on I-59 - Extension of I-59/I-20 Merge Lanes and I-20 Bridge Widening, Lauderdale and Newton Counties. Extend merge lane at I-59/ I-20 and widen up to seven bridges on I-20 - I-55 Bridge Widening, Lincoln County, Widen up to seven Interstate Bridges - SR 9 Construction, Pontotoc County. Realignment of 10 miles of roadway and bridge - I-55 Bridge Widening, Lincoln and Copiah County. Widen up to seven Interstate Bridges - I-269 Construction, Marshall County. New construction of 4 miles of roadway and top-down bridge construction
01/15 – 06/15	<p>PennDOT Rapid Bridge Replacement Program. <i>Technical Advisor.</i> The Rapid Bridge Replacement Program (Program) is a \$899 million public private partnership to replace 558 structurally deficient bridges throughout the state of Pennsylvania. PennDOT selected Plenary Walsh Keystone Partners for the Program that includes maintenance of the replaced bridges for the next 25 years. AECOM was selected by PennDOT as the Program Manager for the Program and is providing program management, and related services for contract administration, materials management, environmental compliance management, and maintenance management. Kent was responsible for the Program Management and Business Plan which guides execution of the activities and coordination with other stakeholders. The PMBP has 16 Appendices defining everything from Stakeholder Involvement, Governance, Monitoring and Oversight.</p>

		Firm AECOM Technical Services, Inc.	
Charlie Stein, PE, DBIA Civil Senior Manager		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization		BS/2001/Civil Engineering	
Active Registration Number / State / Expiration Date		6.201053702E9/MI/09.01.24 Additional active license: Design-Build Professional (DBIA)	
Year Registered		2006	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		1. Alternative Delivery; 2. Project Management and Support; 11. Plan Development and Letting Support Services. Charlie brings more than 23 years of diverse experience that ranges from project level scoping, program management and bridge inspections to design and delivery of projects. He previously served as the Manager of the Innovative Contracting Unit at the Michigan Department of Transportation (MDOT). In this role, Charlie was responsible for overseeing contract procurements for alternative delivery projects, including design-build (DB), construction manager/general contractor (CMGC), alternative technical concepts (ATCs), fixed price - variable scope (FPVS), and public-private partnership (P3) projects. He also managed or has been a key resource for the development and delivery of MDOT's innovative projects and program. During his career, he managed MDOT's first public-private partnership project (15 year contract) to improve the freeway lighting in the Detroit area; delivered MDOT's first two bridge slides using a CMGC procurement; and helped to deliver MDOT's first diverging diamond interchange using a design-build procurement.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/16 – present	MDOT, US-31/I-94; Design-Build Procurement and Design Assistance During Construction (DADC), Benton Harbor, MI. Project Manager. Development of design-build procurement documents to reconstruct I-94 from approximately Napier Road north to I-196; reconstruction and realignment of I-94 BL from Urbandale to the new US-31 interchange; new route construction of US-31 from Napier Road to the new US-31/I-94 Interchange. The project included four new bridges and one rehabilitation. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, environmental coordination, and utility coordination. DADC delivery is just beginning but will include submittal reviews, cost estimates, submittal management and coordination between the Design-Builder. The construction cost is expected to be approximately \$135 million.		
05/20 – 05/22	I-496; Design-Build Procurement, Lansing, MI. Project Manager. Development of design-build procurement documents to reconstruct and realign I-496 from approximately Lansing Road easterly to the Grand River. The project includes the addition of weave/merge lanes, rehabilitation and capital preventive maintenance on 15 bridges throughout the corridor, drainage reconstruction, signing, pavement markings, and freeway lighting. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, environmental coordination, and utility coordination. The construction cost is approximately \$80 million.		
01/16 – present	MDOT Innovative Contracting, I-75 & M-46 Design-Build, Saginaw, MI. Lead QA/QC. Procurement and DADC services for the reconstruction and widening of I-75 from Hess Road to I-675 using design build delivery. The project includes a new double roundabout interchange at M-46 and elevating a 2000-foot stretch of I-75 to allow the removal of a pump station. AECOM services included preliminary road and bridge design, geotechnical services, RFQ & RFP development, cost estimating, risk assessment, scheduling, facilitating meetings and coordination with utilities.		


06/16 – present	I-75 from M-102 to 13 Mile Road (Segment 3) Design-Build-Finance-Maintain, MI. Lead QA/QC. AECOM is leading the design efforts of a public-private-partnership to reconstruct and widen the I-75 corridor from M-102 to 13 Mile Road in southern Oakland County. AECOM is financing, designing and overseeing the reconstruction of the freeway, bridges, retaining walls, interchanges, ITS, freeway lighting, traffic signals, landscaping, water main and sanitary sewer relocation, and a new four-mile long storm water management tunnel. The project includes a reconfigured interchange at 12 Mile Road as a DDI and the corresponding IACR.
08/16 – 04/17	MLK Boulevard over M-10 Design-Build, Detroit, MI. Project Manager. Development of design-build procurement documents to replace and widen the MLK bridge over M-10. The project also included the reconstruction and widening of M-10 and the off-ramp to M-5, removal and replacement of retaining walls, resurfacing of M-5 and the addition of bike lanes, utility relocation, lighting and landscaping. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, utility coordination, surveying and geotechnical borings. DADC delivery included design submittal reviews, cost estimates, submittal management and coordination between the Design-Builder, the City of Detroit, Great Lakes Water Authority, the CE consultant and other sub-consultants. The construction cost of this project was \$13 million.
10/14 – 12/18	US-2 from Wisconsin State Line to East of M-95 North Junction Design-Build, Iron Mountain, WI. Project Manager. Provided procurement and DADC services for the design-build project to reconstruct US-2 near Iron Mountain, including elimination of boulevard section, intersection reconstruction, roadway realignment, traffic signal modernization, and drainage improvements. AECOM services include design submittal review, cost estimating, change order review, submittal management and coordination between the Design-Builder and MDOT. The construction cost for this project was \$2 million.
01/14 – 12/15	Metro Region Freeway Lighting P3, MI. MDOT Project Manager. Developed contract language and terms to procure Michigan's first public-private partnership contract. This contract included the improvement of 15,000 lights which were operating at level of approximately 65%. Charlie provided oversight on the preliminary feasibility of the project and overall market sounding. Developed solicitation documents, determined due diligence standards, and evaluation criteria. Evaluated cost scenarios using an Availability Payment structure to right size the project and meet the budgetary goals of the Department. The contract term was 15 years. Reviewed project management, construction, operations and maintenance plans submitted by the Developer. The construction cost for this project was \$124 million.
01/11 – 03/12	I-96 under M-50, Construction Manager/General Contractor (CMGC) Procurement, Kent County, MI. MDOT Project Manager. Responsible for developing the necessary contractual provisions to utilize a CMGC procurement and price negotiations with the CMGC to reconstruct the northbound and southbound US-131 bridges over 3 Mile Road. This project utilized a CMGC procurement method due to the Bridge Slide, which included developing a RFQ and application for FHWA approval (SEP-14). The project was a reconstruction of 0.12 miles along M-50, constructing lateral slide temporary works, replace and widen the bridge over I-96, reconstruct bridge approach, resurface three interchange ramps, reconstruct the eastbound off-ramp and extend the deceleration lane. A robust media campaign was developed to promote the innovative idea. Stakeholder engagement was critical to address any concerns and to incorporate any requirements needed for emergency services due to the detour route that was in place over the 5 day period. The construction cost of this project was \$4 million.




**Resumes for
Additional Personnel**
(See Section 14)


1. Alternative Delivery Technical Services

(See Section 14)


		Firm AECOM Technical Services, Inc.	
Aaron Flautt, PE Vice President, Business Line Leadership		Years of Relevant Experience with this Employer	25
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BSc/1999/Civil Engineering	
Active Registration Number / State / Expiration Date		93527/TX/03.31.25	
Year Registered		2004	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		1. Alternative Delivery Technical Services. <i>Aaron is a transportation alternative delivery vice president and North American director of sales, with 25 years of experience in planning, design and traffic engineering for transportation infrastructure improvements, particularly complex freeway and tollway projects. He is responsible for business development, pursuit planning, and resource management for large-scale transportation public private partnership and design-build projects.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
03/15 - 08/19	SH 360 Design-Build, Mansfield, TX. Project Principal. This \$340 million Design-Build project added toll lanes to an existing nine-mile corridor of SH 360 between Camp Wisdom Road to US 287. Performed analysis of financial estimates and performance, managed resourcing across all disciplines, held all direct owner contact on strategy development & contract negotiations. Using a suite of controls tools (internal and Primavera), prepared and negotiated design changes as they developed.		
11/15 - 04/20	Gordie Howe International Bridge; Detroit MI to Windsor, Ontario. Project Principal. AECOM is the lead designer of the nearly \$5 billion project connecting Windsor with Detroit. The six-lane bridge crossing the Detroit River will have a main span of 853m and will be the longest cable-stayed bridge in North America. Aaron maintained continuous design team oversight and performance review. He reviewed and approved design change orders (structural / civil / facilities disciplines) and analyzed performance using a suite of Primavera controls software through initial stages of design into active construction phase.		
06/19 - present	I-635 LBJ East Design-Build, Dallas, TX. Project Principal. The \$1.73 billion LBJ East project will reconstruct approximately 11 miles of I-635, including a directional interchange and expansion to 22 lanes with general purpose lanes, managed lanes, and continuous frontage roads each direction. AECOM is lead designer including 59 disciplinary teams and 400 professionals at design peak. Aaron maintains continuous design team oversight through initial stages of design into active construction phase. He directly reviewed, negotiated, and approved change orders across all disciplines with client and TxDOT. Using internal project controls software, he reviews resourcing and status across all disciplines.		
01/23 - present	Brent Spence Bridge Corridor, Cincinnati, OH. Design Project Principal. Progressive design-build for the reconstruction of 5 miles of interstate corridor around Cincinnati, OH. The project is expected to be more than \$3 billion in construction value, including major multi-level interchange works and double-decked complex bridge. He is directly analyzing resourcing plans, evaluating innovations to reduce cost, and reviewing project team performance.		

Firm AECOM Technical Services, Inc.	
 Kent Dussom, PE, DBIA Alternative Procurement Manager	Years of Relevant Experience with this Employer 30
	Years of Relevant Experience with Other Employer(s) 9
Degree(s) / Years / Specialization	BS/1985/Civil Engineering; MS/1988/Civil Engineering
Active Registration Number / State / Expiration Date	23633/LA03.31.26 Other active licent: AR, MS, TX, MD
Year Registered	1990
	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	1. Alternative Delivery Technical Services; 11. Plan Development and Letting Support Services. <i>Kent brings a broad view of the planning, design, and construction process. His work includes familiarity with roads, bridges, railways, transit, airports and ports. His management experience includes project planning and studies, environmental evaluations (including field work as well as preparation of NEPA documents), topographic surveys, engineering design, title work and property surveys, development of right-of-way maps, utility coordination, appraisal services, acquisition services and relocations services, and construction management.</i>
Experience Dates	Experience and qualifications relevant to the proposed contract.
05/10 – 05/15	LADOTD (SP No. 700-99-0495), Master Contract for Design-Build. Technical Advisor. AECOM was selected to provide as needed design-build procurement services for the LADOTD. Task Order #1 (SP# 701-65-1478, 2010) AECOM was granted the first task order to assist the LADOTD with the evaluation and recommendations for improvement to the design-build procurement documents. Kent led a task force composed of contractors, engineers, LADOTD, FHWA and public representatives to discuss the current design-build procurement documents and process and to make recommendations for improvements. Recommendations have been made and accepted by the LADOTD Executive Committee and AECOM prepared a review package for the executive committee to present to the Legislature. Task Order #2 (SP# H.004932, 2014-2015) Kent provided technicalaAdvisory services for a DB Procurement of LA 318 at US 90 Interchange, a \$60 million improvement project. The project was successfully bid in May 2015.
12/11 – 06/12	MDOT Airport Parkway Technical Advisor for Preparation of Public-Private Partnership Solicitation, Jackson, MS. Administrative Project Manager. MDOT aggressively moved forward with innovative funding for this high priority project. The Airport Parkway represents the latest "first" that MDOT is completing using a solicited Public-Private Partnership to design, build, finance, operate and maintain this 12-mile controlled access road from downtown Jackson to the airport located west of downtown. Kent was the Administrative Project Manager for the Traffic and Revenue Consulting Services which URS provided for this project and was Deputy Project Manager for the Engineering Technical Advisory Services which was being provided as a separate contract. In both projects, Kent coordinated the delivery of project deliverables to the entire project team that included MDOT, a financial consultant and a legal consultant. This project had an estimate value of \$350 million.
07/13 – present	LaGuardia Redevelopment Program, Port Authority of New York and New Jersey P3. Technical Advisor. Kent provides technical advisory services for the public-private procurement of the reconstruction of the Central Terminal Building and other facilities as part of the LaGuardia Redevelopment Program. Kent led the development the technical requirements (performance specifications) for the P3 procurement documents, including construction, operations, and maintenance, provided procurement support services during project closing, and is leading the technical team overseeing the implementation of the LGA Redevelopment Project. This overall project has an estimate value of \$5.3 billion. Kent also authored the Requirement and Provisions for Work (performance specifications) for construction, operations, and maintenance of the proposed Delta Terminal Reconfiguration at LGA estimated at over \$4 billion (project construction). He is assisting with the implementation of this project as an Owner's Representative.


01/06 – 07/15	<p>MDOT Design-Build Program and Construction Management Services, Various Locations. <i>Technical Advisor.</i> MDOT called on AECOM to assist with the very first large DB projects in Mississippi, by providing engineering consulting services, preparing the DB procurement documents, and developing the DB project specifications for the US 90 Bridges over the St. Louis Bay and Biloxi Bay. Working together, the first bridge procurement was completed in February 2006, less than 6 months following the hurricane. AECOM was also selected to provide the overall program management, including design reviews and construction QA for both bridges. AECOM coordinated all design reviews for all aspects of the projects including bridge design, roadway design, geotechnical design, traffic signals, etc. AECOM also provided monthly progress updates and participated in the project partnering meetings. As DB projects, the bridges were on a very tight schedule that provided for opening of the initial two lanes of the Bay St. Louis Bridge by May 2007, and the initial two lanes of the Biloxi Bridge by Nov 2007. AECOM worked collaboratively with both the owner, MDOT/Federal Highway Administration (FHWA) and the D-B teams so that each D-B was able to beat their schedule deadline and each earned a \$5 million bonus for early completion. In addition, the US 90 Bridge projects have won several awards, including:</p> <ul style="list-style-type: none"> - MDOT was named the Owner of the Year by the DBIA for their innovative use of DB for infrastructure recovery. - AECOM and MDOT were named the recipient of the Construction Management Association of America (CMAA) Program Management Project of the Year Award for Large Infrastructure Projects due to the unique overall success of the project and the program management provided by AECOM. At the end of Section H, please see the attached letter from MDOT Executive Director Larry L. "Butch" Brown regarding this award. - The US 90 Bridge in Bay St. Louis was named the AASHTO National People's Choice Award at the recent AASHTO meeting in Hartford, Connecticut based on voting from the around the nation on the America's favorite project. Please see attached new release from AASHTO. - The Biloxi Bay Bridge was distinguished as the Award of Excellence for Project Management in the FHWA Biennial Awards recognizing 2008 Excellence in Highway Design (please see attached excerpt the publication). <p>Since the development and implementation of these two initial DB projects, AECOM has assisted MDOT with every other DB project they have issued since, that range from \$10 million to over \$300 million including:</p> <ul style="list-style-type: none"> - US 90 St. Louis Bay Bridge Replacement, Hancock and Harrison Counties. Remove old bridge destroyed by Hurricane Katrina and build replacement bridge - Bridge Replacement on US 90 over Biloxi Bay, Jackson and Harrison Counties. Remove old bridge destroyed by Hurricane Katrina and build replacement bridge - I-59 Bridge Widening, Pearl River County. Widen up to seven interstate bridges to provide shoulders on I-59 - Extension of I-59/I-20 Merge Lanes and I-20 Bridge Widening, Lauderdale and Newton Counties. Extend merge lane at I-59/ I-20 and widen up to seven bridges on I-20 - I-55 Bridge Widening, Lincoln County, Widen up to seven Interstate Bridges - SR 9 Construction, Pontotoc County. Realignment of 10 miles of roadway and bridge - I-55 Bridge Widening, Lincoln and Covich County. Widen up to seven Interstate Bridges - I-269 Construction, Marshall County. New construction of 4 miles of roadway and top-down bridge construction
01/15 – 06/15	<p>PennDOT Rapid Bridge Replacement Program. <i>Technical Advisor.</i> The Rapid Bridge Replacement Program (Program) is a \$899 million public private partnership to replace 558 structurally deficient bridges throughout the state of Pennsylvania. PennDOT selected Plenary Walsh Keystone Partners for the Program that includes maintenance of the replaced bridges for the next 25 years. AECOM was selected by PennDOT as the Program Manager for the Program and is providing program management, and related services for contract administration, materials management, environmental compliance management, and maintenance management. Kent was responsible for the Program Management and Business Plan which guides execution of the activities and coordination with other stakeholders. The PMBP has 16 Appendices defining everything from Stakeholder Involvement, Governance, Monitoring and Oversight.</p>

Firm AECOM Technical Services, Inc.			
 Patrick Hays, PE Associate Vice President, Structures	Years of Relevant Experience with this Employer 14		
	Years of Relevant Experience with Other Employer(s) 25		
Degree(s) / Years / Specialization	BS/1982/Civil Engineering		
Active Registration Number / State / Expiration Date	88034/TX/06.11.24		
Year Registered	2001	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	1. Alternative Delivery Technical Services; 10. Bridge Design Services. <i>Patrick is a deputy regional bridge practice leader responsible for coordination of the highway structures design practice in Louisiana, Texas, Wisconsin and Minnesota. He has 39 years of experience in the design, rehabilitation, and widening of highway and railway bridges in Texas, Florida, Oklahoma, Kansas, and Missouri. He has managed projects involving a variety of transportation structures.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
09/20 – present	TxDOT, Austin District, Oak Hill Parkway Design-Build, Austin, TX. Retaining Wall Discipline Leader. Design-Build project that will completely reconstruct US290 from west of Southview Rd/Circle Drive to east of Old Fredricksburg Road, plus a widening segment to the west end of the Industrial Oaks Overpass. In addition, the project includes reconstruction of SH71 from the US290 "Y" Interchange to Silvermine Drive. The project includes two major interchanges at US290/SH71 and at US290/Wm Cannon Drive. Total project length is 6.1 miles along US290 and 1.2 miles along SH71. Supervised 4 segment teams for the delivery of approximately 80 retaining walls and 3 sound walls. The project also included 25 bridges in the scope, consisting of underpasses, overpasses and direct connectors. Responsibilities also include coordination with the contractor team, owner, other discipline leads, and the design manager.		
08/09 – 10/12	North Texas Tollway Authority, SH 161 (George Bush Turnpike - Western Extension) Phase 4 - Design-Build, Grand Prairie, TX. Structures Discipline Leader. Extension of the SH 161 toll facility from IH-20 to IH-30 including major multi-level interchanges at I-20 and I-30. Supervised eight design teams in multiple locations for the delivery of the bridge and wall engineering scope. The project included 44 bridges, including underpass bridges at Jefferson Street, Union Pacific Railroad, Main Street, Dalworth Street, and Tarrant Road, constructed using a top-down approach. The project also included overpass bridges at Robinson Road, Forum Drive, Mayfield Road, Warrior Trail, Arkansas Lane, Pioneer Parkway, Marshall Drive, Dickey Road/SW 14th Street, and January Lane. In addition, the project included creek crossings at Fish Creek, Kirby Creek, South Fork Cottonwood Creek, and Cottonwood Creek. All retaining walls were designed and constructed in challenging expansive clays and eagle ford shale. The project included the incorporation of aesthetic OSB, COSS, and toll gantry structures, compliant with the NTTA aesthetic guidelines and standards. Responsible for the preparation of formal responses and resolution of comments received from the NTTA & TxDOT staff.		
08/19 – present	TxDOT, Dallas District, 635 East Design-Build, Dallas, TX. Structures Design Manager. Design-Build project that will completely reconstruct I-635/LBJ Freeway from US75 Central Expressway thru the I-30 Interchange in East Dallas. Responsible for leading the structures discipline for the delivery of bridge design for this 11-mile long facility. Supervised 13 bridge teams for the delivery of over \$20 million of bridge design scope. The project involves the design of 61 bridges, including a complex interchange at I-30 as well as a 300 ft long tied arch structure carrying Skillman Avenue over I-635. The project also included the design of cut (soil nail) retaining walls at a 635East underpasses at DART Blue Line and the DART pedestrian crossing that required extensive coordination. Responsibilities also include coordination with the contractor team, owner, other discipline leads, and the design manager.		

07/17 – 05/18	<p>95Express/Virginia Department of Transportation, 395 Express Lane Design-Build, Springfield, VA. <i>On temporary assignment (August 2017 to April 2018), served as a Deputy Design Manager.</i> This project is a 7.7 mile extension of the existing 95 Express Lanes in Fairfax County, VA. The project involves the conversion of two existing HOV lanes in this corridor to three High Occupancy Toll (HOT) lanes, fully integrated into the existing 95 Express Lane system (tolled). Assisted the Design Manager with leading and documenting eight weekly meetings (Design-Build Coordination, Technical Workgroup Meeting, Discipline Lead Coordination and five Segment Design Coordination meetings). Also assisted with the collection of schedule updates from design leads for the preparation of weekly schedule updates and narrative reports to the Design-Build Contractor (LANE), 95Express, and VDOT.</p>
10/07 – 10/12	<p>TxDOT, SH 130 Toll Facility Design, Segments 5 and 6, Travis and Caldwell Counties, TX. <i>Structures Discipline Leader.</i> This is a 26-mile extension of SH 130 from Mustang Ridge (SH 45 SE interchange) to the San Marcos River. The project included 51 bridges, including multi-level interchanges at SH 45 SE and US 183, underpass bridges at CR 222, Plum Creek turnaround, CR 108, CR 217, CR 109, SH 80, CR 218 turnaround, and CR 218. Also included were overpass bridges at Maha Loop, Laws Road, CR 176, SH 21, CR 179, FM 1185, FM 2001, Union Pacific Railroad, and SH 142; and creek crossings at Maha Creek, Plum Creek, Clear Fork Creek, and Dickerson Creek. A featured set of 4 overpasses at the UPRR in Lockhart, TX required extensive coordination. Led all aspects of the structure design services for bridges, retaining walls, box culverts, high-mast lighting, sign structures, toll gantries, and other miscellaneous structures. Organized, led, and coordinated the activities of seven structures design teams located across the country. Coordinated directly with CTxHC design and construction staff regarding corridor wide structures project issues, and responsible for the resolution of all comments received on bridge and retaining wall submittals.</p>
09/12 – 06/17	<p>TxDOT, Dallas District, I-35E/I-30 Horseshoe Interchange Design-Build, Dallas, TX. <i>Design Delivery Lead.</i> Led the design delivery of 21 bridges on the IH-35E leg of this \$750 million interchange with IH-30 in downtown Dallas. Supervised five bridge teams and one specialty team for the delivery of the bridge design scope. The IH-35E bridges included 4 major structures over the Trinity River, each featuring a 1,000-foot-long, 4-span, spliced prestressed girder unit consisting of Tx82 girders and 130-inch-deep haunched sections over the intermediate bents within the unit. All SPG segments were post-tensioned for continuity. The spliced prestressed girder unit was proportioned to accommodate the future Trinity Lakes plan and required coordination with the US Army Corps of Engineers regarding construction in and around the Trinity River levee system. The IH-35E leg of the Horseshoe Interchange also included multiple ramp and direct connector bridges, as well as several overpass structures at Colorado Street.</p>


		Firm AECOM Technical Services, Inc.	
Charlie Stein, PE, DBIA Civil Senior Manager		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization		BS/2001/Civil Engineering	
Active Registration Number / State / Expiration Date		6.201053702E9/MI/09.01.24 Additional active license: Design-Build Professional (DBIA)	
Year Registered		2006	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		1. Alternative Delivery; 2. Project Management and Support; 11. Plan Development and Letting Support Services. Charlie brings more than 23 years of diverse experience that ranges from project level scoping, program management and bridge inspections to design and delivery of projects. He previously served as the Manager of the Innovative Contracting Unit at the Michigan Department of Transportation (MDOT). In this role, Charlie was responsible for overseeing contract procurements for alternative delivery projects, including design-build (DB), construction manager/general contractor (CMGC), alternative technical concepts (ATCs), fixed price - variable scope (FPVS), and public-private partnership (P3) projects. He also managed or has been a key resource for the development and delivery of MDOT's innovative projects and program. During his career, he managed MDOT's first public-private partnership project (15 year contract) to improve the freeway lighting in the Detroit area; delivered MDOT's first two bridge slides using a CMGC procurement; and helped to deliver MDOT's first diverging diamond interchange using a design-build procurement.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
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Firm RS&H, Inc.			
	Bryan Kendro RS&H VP, National Innovative Program Advisory Leader	Years of Relevant Experience with this Employer	4
		Years of Relevant Experience with Other Employer(s)	22
Degree(s) / Years / Specialization		BA/2002/Government and Politics	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		1. Alternate Delivery Technical Services; 2. Project Management and Support. <i>Bryan provides Alternative Delivery Support / Support development of RFP, RFQ, and ITP for CMAR, DB, PDB, and P3 Projects; Provide program management support for large programs.</i>	


Experience Dates	Experience and qualifications relevant to the proposed contract.
06/21 – 12/23	I-495 and I-270 P3 Program GEC Services, Maryland Department of Transportation; Baltimore, MD <ul style="list-style-type: none"> - Responsible for leadership and coordination of a multi-disciplinary advisory team, which includes technical, legal, and financial experts, on the development of the RFP, negotiations with proposers, and managing the continued development and delivery of the project along with the P3 Office and MDOT leadership.
06/16 – present	Staff Augmentation for Expert Business Management Consultant Services, Virginia Department of Transportation (VDOT); Richmond, VA <ul style="list-style-type: none"> - Qualitative and quantitative screening, project and program document development, procurement document development and selection activities, and development of technical requirements for the implementation of P3s throughout the Commonwealth. - Analysis of policies, risks and opportunities associated with potential projects and brings both the public and private sector perspective to the screening process.
01/24 - present	Owner Advisor – CMGC, PDB, DB Program, Illinois Department of Transportation (IDOT) Bureau of Innovative Project Delivery; Statewide, IL <ul style="list-style-type: none"> - Reviewed RFQ, RFP, ITP procurement documents on behalf of Illinois DOT Innovative Project Delivery team. - Provided leadership and guidance on market best practices and proper risk sharing amongst owners and contractors
01/24 - present	Owner Advisor – Moving I-4 Forward, Moving Florida Forward, Florida Department of Transportation (FDOT), Corridors Program Office, Statewide, FL <ul style="list-style-type: none"> - Led development of Project Management Plan - Review and QA of Progressive Design-Build Request for Qualifications document and procurement schedules on behalf of FDOT for use on future PDB projects. - Development of Industry Review Term Sheet of key commercial terms for Progressive Design-Build
04/18 – 04/19	Belle Chasse Bridge and Tunnel Replacement Project, LA DOTD, Plaquemines Parish, LA <ul style="list-style-type: none"> - As the Director of Project Development for Star America, was responsible for evaluating the project opportunity and risks, commenting on the solicitation documents, and developing the strategy for negotiations on the commercial structure.

11/15 – 05/20	<p>Star America Infrastructure Partners, LL, Roslyn, NY - Director, Project Development</p> <ul style="list-style-type: none"> - Led all of Star’s business development efforts including strategic planning, identification and analysis of investment opportunities, relationships development with public sector clients, bid partners and key stakeholders. - Works closely with the project pursuit and implementation team providing strategic leadership and input on the development of Request for Information (RFI) responses, Statements of Qualifications (SOQs), Project Development Agreements (PDAs), and Proposals (solicited and unsolicited) to public agencies at all levels of government
04/11 – 05/15	<p>Office of Policy & Public-Private Partnerships, Pennsylvania Department of Transportation, Harrisburg, PA – Director</p> <ul style="list-style-type: none"> - As Director, reported to the Secretary of Transportation, and managed Department staff and teams of legal, financial and technical consultants, across multiple work streams. - As Policy Director and a member of the Department’s Executive Leadership Team, advised the Secretary of Transportation and the Governor’s Office on state and federal transportation policy, legislation and regulation. - Managed a diverse portfolio of projects totaling more than a billion dollars of work, including: the replacement of 558 bridges; construction of parking and other train station facilities along the Amtrak Keystone Corridor; construction of natural gas fueling stations for transit agencies statewide; sponsorship and advertising of Department assets; and wireless telecommunication partnership opportunities. - Engaged senior level staff at U.S. DOT and FHWA to advance applications under various specialty programs, including Private Activity Bonds (PABs), SEP-15 (P3 Experimental Process Waiver), Major Project Financial and Project Management Plans, Cost Estimate Reviews (CER) and Project Risk Assessment Analysis. - Led commercial and technical one-on-one meetings with prospective bidding teams. Executed comprehensive stakeholder outreach and engagement plans in support of highly scrutinized projects


Firm		RS&H, Inc.		
	Chris Schaeffer, PE (IL, PA) Alternative Delivery Technical Advisor		Years of Relevant Experience with this Employer	2
			Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization		MBA / 2009 / Finance BS / 2002 / Civil Engineering		
Active Registration Number / State / Expiration Date		062076379 / IL / 11/30/2025 PE077033 / PA / 9/30/2025		
Year Registered		PA 2009 / IL 2024	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		1. Alternate Delivery Technical Services. <i>Chris is experienced in the design, construction, and maintenance of infrastructure projects and has provided Alternative Delivery advisory services to public sector clients, offering policy advice and project procurement management services for the development of Alternative Delivery programs and projects. Additionally, he has worked with several private consortia seeking to design, build, finance, operate, and/or maintain infrastructure projects through various Alternative Delivery, including P3 delivery methods.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
07/19 - 03/21	P3 Owner's Representative, Illinois Department of Transportation (IDOT), tatewide, IL. Responsible for the development of commercial and technical documents, including guidelines, procedures, and manuals related to IDOT's use of P3s as a project delivery method. These documents outlined the process for identification, selection, development, procurement, and implementation and provided template RFP Documents.
12/19-01/22	Alternative Delivery Implementation, Wisconsin Department of Transportation (WisDOT), Statewide, WI. Prior to joining RS&H, Chris was responsible for the development of best-value procurement process for implementing DB contracting of transportation projects in the state. Tasks included development of management plans, a DB manual (including screening and selection processes), and procurement document templates.
01/13 - 12/19	P3 Advisory Services, Pennsylvania Department of Transportation, Harrisburg, PA. Prior to joining to RS&H, Chris provided technical and procurement consulting services in the development of a number of potential P3 projects, including: Amtrak Stations Improvement Project (Keystone Corridor); Mon/Fayette and Southern Beltway; Commercial Driver/Vehicle Services Center and; Schuylkill Expressway. Task included the development of feasibility studies, risk assessments, requests for information, Requests for Qualifications, RFPs, and technical specifications.

2. Project Management and Support *(See Section 14)*


		Firm AECOM Technical Services, Inc.	
Tammy Dow, PEng, CVS Value Engineering Manager		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	16
Degree(s) / Years / Specialization		MSc/2004/Civil Engineering; BSc/1998/Civil Engineering	
Active Registration Number / State / Expiration Date		100086053/Ontario/NA Certified Value Specialist	
Year Registered		2005	Discipline Professional Engineer
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support. <i>Tammy is an award-winning certified value specialist. She has been involved in numerous value engineering (VE), Value Analysis (VA0), Value Planning (VP) studies, and functional performance specification (FPS) studies; several of these involved projects with construction values of \$1 million to \$1.6 billion. She has facilitated value engineering workshops for numerous types of water, transportation (including highway, bridge, and transit), and vertical infrastructure projects. She is a member of SAVE International and Value Analysis Canada (formerly the Canadian Society of Value Analysis (CSVA)). She is a member in good standing with SAVE International.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
11/23 – present	California Department of Transportation, San Mateo County Transportation Authority and City/County Association of Governments US 101 Managed Lanes North of I-380 Project Value Analysis Study. Certified Value Specialist. Tammy is responsible for undertaking the VE study including all pre-workshop, workshop, and post-workshop activities. The project's overall limits of work are from the US 101/San Francisco International Airport (SFO) interchange (San Mateo post mile [PM] 19.2) to 0.5 mile north of the San Mateo/San Francisco County line (San Francisco PM 0.5). Two build alternatives are under consideration. They include adding a managed lane in each direction or converting an existing freeway general purpose lane (GPL) in each direction to managed lane use. Alternative 1: Add lanes and Alternative 2: convert lanes were the subject of the VA study. The estimated cost of the project is \$244.7 million. The results of the 5-day VA study are 21 VA proposals and four design comments.		
01/23 – 09/23	Bay Area Toll Authority/Metropolitan Transportation Commission (BATA/MTC), California State Route (SR) 37 Sears Point to Mare Island Improvement Project Value Analysis Study. Certified Value Specialist. Tammy was responsible for undertaking the VE study including all pre-workshop, workshop, and post-workshop activities. The California Department of Transportation (Caltrans), in cooperation with partner agencies Metropolitan Transportation Commission (MTC), Sonoma County Transportation Authority (SCTA), Solano Transportation Authority (STA), Napa Valley Transportation Authority (NVTa), and Transportation Authority of Marin (TAM), proposes to construct the SR 37 Sears Point to Mare Island Improvement Project. The purpose of the project is to improve traffic flow and peak travel times and increase vehicle occupancy (number of people moved per vehicle) in the travel corridor between SR 121 and the Mare Island interchange. The project cost estimate is \$230.4 million. The results of the 5-day VA study are 14 VA proposals and nine design comments, of which seven VE proposals were carried forward for further study with a potential cost savings of \$14.4 million.		
01/22 – 04/22	City of South San Francisco and the San Mateo County Transportation Authority, US 101/Produce Avenue Interchange Project, Value Analysis Study. Certified Value Specialist. Tammy was responsible for undertaking the VE study including all pre-workshop, workshop, and post-workshop activities. US 101 to accommodate future planned growth and improve traffic operations with pedestrian and bicycle access in the city, and in the vicinity of the project area. The build alternative, which is the focus of the VA study, would construct a new overcrossing extending Utah Avenue westerly over US 101 to connect with San Mateo Avenue. The estimated cost of the project is \$125 million to \$140 million. The results of the 3-day VA study were four VE proposals and four design comments, all of which are to be further studied as the design proceeds. Performance criteria and measures were used to determine the change in performance of the VE proposals and design comments compared to the base case. The potential cost saving is \$2.6 million		

05/19 – 04/21	<p>City of San Francisco, Islais Creek Bridge Rehabilitation Project Value Engineering Study, SF. Certified Value Specialist. Tammy was responsible for undertaking the VE study including all pre-workshop, workshop, and post-workshop activities. The San Francisco Public Works is proposing to rehabilitate and repair the Islais Creek Bridge (Bridge No. 34C0024) located along Third Street in the City and County of San Francisco and is referred to as the Islais Creek Bridge Rehabilitation Project. The Islais Creek Bridge is a built-up steel double leaf bascule bridge constructed in 1949. The bascule arms, which open to allow boats to pass on the Islais Creek Channel, consists of riveted steel box girders supporting an open grid steel grate roadway. The bridge is approximately 100 feet wide and spans 114 feet over the Islais Creek Channel which is a United States Coast Guard regulated navigable waterway. The bridge was retrofitted to carry light rail tracks for MUNI in 2007. The bridge was evaluated for historic significance by Caltrans in 2004. The evaluation determined that the bridge was significant as an example of Art Moderne style applied to a bridge. The project would include replacing and repairing various components of the bridge to bring the structure up to current seismic standards, including the bascule spans; as well as replacing and upgrading bridge safety features; all of which aim to increase the bridge's service life for an additional 50-years. The estimated project cost is \$73 million. The results of the 4-day VE study are 16 VE proposals and one design comment. The accepted and accepted with modification VE proposals have a potential cost savings of \$1.7 million.</p>
01/23 – 04/23	<p>Hawaii Department of Transportation, Nanue Stream Bridge Rehabilitation Project Value Engineering Study. Certified Value Specialist. Tammy was responsible for undertaking the VE study including all pre-workshop, workshop, and post-workshop activities. The purpose of the bridge preservation project is to perform maintenance and repair work in order to maintain this bridge in a serviceable condition with its same scope, scale and size, while extending its service life and allowing continued use. The estimated cost of the project is \$77 million. The results of the 4-day VE study are eight VE proposals and three design comments.</p>
11/21 – 05/22	<p>Hawaii Department of Transportation, Interstate H1 Eastbound Improvements from Ola Lane Overpass to Likelike Highway Off-Ramp Honolulu Project Value Engineering Study. Certified Value Specialist. Tammy was responsible for undertaking the VE Study including all pre-workshop, workshop, and post-workshop activities. The State of Hawaii Department of Transportation Highways Division proposes to improve approximately 0.7 mile of eastbound Interstate Highway 1 (H1 also known as H-1 or the Lunalilo Freeway) in Honolulu, Oahu, Hawaii under the Interstate Route H1 (EB) Improvements, Ola Lane Overpass to Likelike Highway Off-ramp Project. The project would eliminate the need for vehicles in the left lane exiting the Middle Street tunnel to merge with traffic from Moanalua Freeway (H201, also known as H-201), increase travel lane and outside shoulder widths, and increase the vertical clearance under the existing Gulick Avenue overpass. Interstate H1 eastbound from the Ola Lane overpass to the Likelike Highway off-ramp would be widened to accommodate an auxiliary lane. The results of the 5-day VE study are 13 VE proposals and 17 design comments.</p>
08/23 – present	<p>Ministry of Transportation Ontario, Northern Region, Highway 144 from North Junction to Main Street in Dowling to Old Cartier Road in Onaping Falls Value Engineering Study, Ontario. Certified Value Specialist and Deputy Project Manager. Tammy was responsible for undertaking the VE study including all pre-workshop, workshop, and post-workshop activities as well as coordination of the development of the Risk Register with the Risk Lead. The subject of the of the VE study was the MTO design which includes increasing the shoulder width to 3.0m fully paved shoulders, rock cuts for base case – remove 9 critical rock cuts to 13.5m and reaming rock cuts to 9m, horizontal and vertical curves will be maintained, and review roadside safety elements and desired clear zone. The estimated cost of the project is \$34.4 million CDN. The results of the 5-day VE study, which included a site visit and the development of a project Risk Register (including risk interviews prior to the workshop and development during the Information Phase of the VE study), were 24 VE proposals, five VE scenarios and 14 design comments and a project Risk Register. Performance criteria were developed and used to evaluate the VE scenarios. Eleven VE proposals were accepted, which were both cost savings and additional costs with added value, and two VE proposals are Further Study. This resulted in cumulative potential \$4.6 million in savings.</p>


Firm AECOM Technical Services, Inc.			
 Matthew Freih, PE, PSP Senior Project Controls Engineer/Scheduler	Years of Relevant Experience with this Employer 10		
	Years of Relevant Experience with Other Employer(s) 2		
Degree(s) / Years / Specialization	MS/2015/Civil Engineering; BS/2012/Civil Engineering		
Active Registration Number / State / Expiration Date	097964/NY/09.30.25		
Year Registered	2017	Discipline	Professional Engineer
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Matthew is experienced in program & project controls, planning, design and construction management, pre-construction & construction scheduling, master program scheduling, resource loading & leveling, financial forecasting, cost control management, scope control & change management, risk management & mitigation, and client/contractor negotiation in large scale project and programs for various City, State, Federal agencies.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
04/24 – present	TxDOT, STP 2020 (057) MM – SH36 Brazoria County – Widening Non- Freeway Facility, Brazoria County, TX. Senior Scheduler. This is a \$76 Million design-bid-build project which includes roadway widening, intersection improvements, and pedestrian/bicycle accommodations. Responsibilities include reviewing baseline/monthly update submissions, analyzing project issues and provide mitigation options to reduce impacts. Scheduled using P6.		
04/24 – present	Nevada Department of Transportation (NDOT), Specification Revisions. Senior Scheduler. Assisting NDOT in reviewing and providing recommendations to help strengthen and improve the current specifications regarding scheduling and schedule management.		
04/24 – present	Michigan Department of Transportation (MDOT), Specification Revisions. Senior Scheduler. Assisting NDOT in reviewing and providing recommendations to help strengthen and improve the current specifications regarding scheduling and schedule management.		
04/24 – present	Clark County Public Works (CCPW), 606409-22 Decatur Boulevard Tropicana Avenue to Sahara Avenue, Clark County, NV. Senior Scheduler. This design-bid-build project includes roadway removal and reconstruction improvements on Decatur Boulevard, from Tropicana Avenue to Sahara Avenue, and intersecting side streets. Responsibilities include reviewing baseline/monthly update submissions, analyzing project issues and provide mitigation options to reduce impacts. Scheduled using P6.		
04/24 – present	Michigan Department of Transportation (MDOT), US-131 Design-Build – 100th Street to 76th Street, Kent County, MI. Senior Scheduler. This \$70 million design-build project includes the design and construction of new weave/merge lanes between the 76th Street and 84th Street interchanges. This project also will extend the 76th Street on ramp to the 84th Street off ramp on southbound US-131 and extend the 84th Street on ramp to the 76th Street off ramp on northbound US-131. Responsibilities include reviewing baseline/monthly update submissions, analyzing project issues and provide mitigation options to reduce impacts. Scheduled using P6.		
01/21 – 04/24	New York City Department of Design and Construction (NYCDDC), Borough Based Jails (BBJ) Program. Senior Project Controls Engineer/Schedule Manager. Program Mgmt services contract to support NYCDDC with the development, procurement, management, and delivery of four new jail facilities. The BBJ Program consists of nine Design-Build Projects: four Dismantle Contracts, four New Facility Contracts, and one New Parking Garage Contract. The BBJ Program also consists of two Design-Bid-Build Infrastructure Projects.		
04/17 – 12/20	New York State Department of Transportation (NYSDOT), Statewide Construction Support Services & CPM Scheduling Services D037808, New York State. Lead Project Controls Engineer/Scheduler and CPM Coordinator. On-call engineering services contract to assist the NYSDOT Project Management Office and construction Project Field Offices across Region 8 (Westchester, Rockland, Putnam, Orange, Dutchess, Ulster, and Columbia Counties), on a task order basis.		


Firm AECOM Technical Services, Inc.			
	Steven Gubernot Scheduler/Project Controls	Years of Relevant Experience with this Employer	19
		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization		MBA/2010/Finance and Marketing; BS/2000/Civil Engineering	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support. <i>Steven has diversified experience in scheduling, delay analysis, and other project control practices. He is responsible for providing scheduling analysis and claims avoidance services for a number of large-scale projects, including highway, bridge, railroad, transit, tunnel, energy, and facility projects. His experience ranges from planning and design to construction scheduling. He uses Primavera Project Management scheduling software on a daily basis.</i>	

Experience Dates	Experience and qualifications relevant to the proposed contract.
04/24 – present	TXDOT, SH-359, Laredo, TX. Schedule Reviewer. Project for the widening of SH-359 from 4.06 miles east of SL-20 and 8.935 miles east of SL-20. Widening of SH-359 will be from a 3-lane to a 5-lane undivided highway. Responsible for review of the baseline schedule and revisions, update schedules, and time extension requests. Scheduled using P6.
03/24 – present	TXDOT, IH-410 San Antonio, TX. Schedule Reviewer. Project for operational improvements, including ramp revisions, intersection improvements, and frontage road rehabilitation on IH-410 from FM 2536 (Pearsall Road) to Valley Hi Drive. Responsible for review of the update schedules and time extension requests. Scheduled using P6.
02/23 – present	Michigan Department of Transportation (MDOT), I-496 Lansing Design-Build Project. Schedule Reviewer. This \$77-million project is for the reconstruction of the I-496 pavement from Lansing Road to the bridges over the Grand River including three bridge deck replacements, ramp reconstruction and reconfiguration, drainage improvements, and safety improvements. Responsible for review of the update schedules, time extension requests, and recovery schedules. Scheduled using P6 on an enterprise platform.
03/24 – 04/24	Michigan Department of Transportation (MDOT), Pump Station Permanent Standby Generators – Phase 1 Design-Build Project. Schedule Reviewer. This \$7.6-million project is for the design and installation of 17 permanent standby generators and associated ancillary infrastructure to improve reliability at select pump stations within the Detroit Metro Region. Responsible for review of the update schedules and as-built schedules. Scheduled using P6 on an enterprise platform.
01/24 – present	Pennsylvania Turnpike Commission (PTC), Contract No. A-083.88S001-3-02; Replacement of Bridge No. NB-550 at Milepost A-83.88 in Carbon County. Lead Schedule Reviewer. This \$5.5-million project is for the full bridge replacement carrying Hatchery Road (SR 1001) over the Northeast Pennsylvania Turnpike Extension in Penn Forest Township of Carbon County. Project includes bridge construction utilizing prestressed concrete box beams, abutment replacement, drainage improvements, and paving upgrades. Responsible for review of the project baseline, update schedules, time extension requests, schedule mitigation proposals, and recovery schedules. Scheduled using P6 on an enterprise platform.
10/23 – present	CTDOT, Project No. 0079-0245; I-691 EB to I-91 NB Interchange Improvements in Meriden and Middletown. Lead Schedule Reviewer. The project includes ramp widenings, simple-span bridge widening, bridge deck replacement, ramp realignments, and construction of a new operational lane on the I-91 NB mainline. Responsible for review of update schedules, time extension requests, schedule mitigation proposals, and recovery schedules. Prepares monthly summary reports for progress meetings and manages junior scheduling staff. Scheduled using P6 on an enterprise platform.


Firm		AECOM Technical Services, Inc.		
	Toni Horst, PhD		Years of Relevant Experience with this Employer	23
	Vice President, Senior Consultant		Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization		PhD/1997/Regional Science; BA/1986/Economics and Government		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		<p>2. Project Management and Support. Toni leads AECOM's National Transportation Economics Practice. She has more than 30 years of experience. A regional economist, her work focuses on analyzing how infrastructure investment changes local economies. Her work focuses on the application of quantitative information to support transportation decision making. She is an economist with significant experience assessing projects and developing defensible analyses of project feasibility, economic impact, return on investment and benefit cost assessments. She is a member of TRB Committee ADD10, Transportation and Economic Development.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
03/23 – 07/23	<p>Port of New Orleans, Grant Strategy Recommendations, New Orleans, LA. Project Manager. Oversaw the development of a grant strategy to apply for a first-of-its-kind approach combining artificial intelligence, data analytics, and stakeholder engagement with our leading ESG and federal grants advisory services staff to identify the discretionary programs most suitable for Port of New Orleans's projects. Tasks involved utilizing Fund Navigator to holistically review Port of New Orleans's existing and planned projects' capital needs to assess the suitability of these projects for accessing specific IJA funding programs. This also allowed for the development of a near-term grant funding implementation strategy, which included the identification of which specific discretionary program should be accessed by which specific Port Project, the date that application development should begin and when applications were due, and a checklist of actions to be undertaken prior to application development (such as advancement of planning, design, cost estimation, etc.) to boost the competitiveness of the application.</p>			
07/22 – 03/23	<p>Northeast Ohio Areawide Coordinating Agency, NOACA Fund Navigator Analysis, Cleveland, OH. Project Manager. Oversaw the development of a grant strategy to apply for a first-of-its-kind approach combining artificial intelligence, data analytics, and stakeholder engagement with our leading ESG and federal grants advisory services staff to identify the discretionary programs most suitable for Port of New Orleans's projects. Tasks involved utilizing Fund Navigator to holistically review Port of New Orleans's existing and planned projects' capital needs to assess the suitability of these projects for accessing specific IJA funding programs. This also allowed for the development of a near-term grant funding implementation strategy, which included the identification of which specific discretionary program should be accessed by which specific Port Project, the date that application development should begin and when applications were due, and a checklist of actions to be undertaken prior to application development (such as advancement of planning, design, cost estimation, etc.) to boost the competitiveness of the application.</p>			
01/17 – 12/19	<p>North Carolina Department of Transportation, Roadway Planning & Design 2017-2020 - 2019 BUILD Grant Division 11 I-95, Raleigh, NC. Advisor. Toni was an advisor to the BCA team who wrote the narrative for the I-95 Resiliency and Innovative Technology Improvements Project, 2019 BUILD Application.</p>			

09/17 – present	<p>Grant Application and Administration Support, International Bridge, Tunnel and Turnpike Association (IBTTA), Washington, DC. <i>Project Director.</i> Contract to support IBTTA in identifying funding opportunities, applying for and administering a discretionary grant from FHWA. IBTTA was awarded a grant for research in the fall of 2016. Since that time, work entails preparing monthly, quarterly, and annual reports and certifications to FHWA, developing templates to collect required data to document compliance with the grant requirements, and coordination between the FHWA, the grant recipient and project partners.</p>
01/16 – 12/16 BCA 01/18 – 12/18 Economic Impact	<p>Economic Task Lead, The Gateway Program Economic Evaluation, Northeast Corridor, Amtrak, National. <i>Task Lead.</i> Toni is supporting this study to estimate benefit cost of Gateway Program (tunnels under the Hudson River) under three scenarios. The team led multiple stakeholders through data collection and definition of scenarios and assumptions through a facilitated workshop. Analysis includes an economic evaluation of the importance of the New York region to the Northeast Corridor and to the U.S. national economy. The economic work entails a benefit cost analysis and economic impact analysis. The benefits estimated include, but are not limited to, the net travel time savings, net travel costs, net safety benefits, net emissions avoided, and the costs of a trip not taken.</p>
01/17 – 05/17	<p>INFRA Grant Application for I-95/U.S. 70 Innovative Technology and Rural Mobility Corridor Improvements, North Carolina Department of Transportation. <i>Technical Lead.</i> Responsible for writing the narrative and leading the economic analysis included in BUILD application. Developed technical memos and worksheets detailing all assumptions and calculations for the reviewers' reference including calculation of benefit cost ratios for project. The project improved the quality of US 70 to interstate quality in the remaining unimproved sections, widen I-95 and raised several low interchange bridges, and added broadband to both corridors to manage the facilities in an integrated manner. The project was selected for funding; project received \$147 million in discretionary funding.</p>
02/14 – 05/14	<p>2014 Planning TIGER Application for Long Bridge EIS, Virginia and Washington, DC. <i>Project Manager.</i> Economic benefit cost, economic impact analysis, and full application narrative for Virginia Railway Express and the District of Columbia's joint TIGER application. The grant will support planning work needed to replace this bridge over the Potomac River between the District and Virginia, creating additional rail capacity to accommodate freight and passenger service and remove a bottleneck preventing the expansion of commuter service and eventual implementation of high-speed rail. The project was selected to receive TIGER funding.</p>
02/10 – 5/10	<p>TIGER Grant and Funding Scan, Dallas County, TX. <i>Project Manager.</i> Benefit cost analysis of road and drainage improvements. Study also entailed a scan of funding sources that could support capital investments in stormwater and water distribution systems. Each funding source evaluated for its applicability to Dallas County's needs. Those candidate sources that were most promising were researched in greater detail.</p>


		Firm AECOM Technical Services, Inc.	
Steve Hurst Project Controls Analyst		Years of Relevant Experience with this Employer	1
		Years of Relevant Experience with Other Employer(s)	9
Degree(s) / Years / Specialization		MS/2020/Construction Management; MURP/2011/City and Regional Planning; BA/2008/Political Science	
Active Registration Number / State / Expiration Date		AACE Certified Planning and Scheduling Professional - #02467	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support. <i>Steve brings significant experience in project controls with an emphasis on reporting, commercial correspondence, and client coordination. Prior to joining AECOM, Steve worked on the replacement of the Tappan Zee Bridge as part of the owner's engineer team and started his career as a city planner in the Washington, D.C. region. His skill sets include experience with construction dashboards, claims and contract administration, schedule analysis, commercial correspondence, and document management.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
04/23 – present	New Jersey Department of Transportation (NJDOT), Route 295/42/I-76, Direct Connection, Contract 3, From South of Essex Avenue to South of Bell Road, Grading, Paving & Structures, Contract No. 026113020, Borough of Bellmawr, Borough of Mount Ephraim, City of Gloucester, County of Camden, NJ. <i>Scheduler.</i> This \$192 million project involves the complete construction of the three I-295 mainline direct connection bridge superstructures and substructures, replacement of the Browning Road bridge with a temporary bridge while the new bridge and improvements are completed, draining, highway lighting, paving, utility relocations, and the relocation of existing housing units. Responsible for the review and analysis of contractor's monthly progress updates, including time extension requests and delay analysis.		
06/22 – 12/22	The Port Authority of New York & New Jersey (PANYNJ), Performance of Expert Professional Project Delivery Support Services – Master Schedule Expert – Contract No. 402-18-020. <i>Scheduler.</i> The project includes development of an integrated master program schedule using P6, inputting project schedules for currently Active Projects less than 50% complete providing a Scheduling Conflict / Interference Report, identifying interdependencies and the "criteria" that are unique to the Program of work and form the basis for identifying conflicts, work phasing, resource issues and opportunities, and construction adjacencies. Assisted in review of Contractor baselines and schedule updates for PATH projects. Scheduled using P6 in enterprise environment.		
10/22 – 06/24	TxDOT, SLB8 (Beltway 8 East Belt) – CSJ No. 3256-03-094, Harris County, TX. <i>Scheduler.</i> This \$30 million project is to reconstruct 4.1 miles of frontage roads with storm sewer between Fairmont Parkway and Darling Street. Work includes replacement of jointed reinforced concrete pavement with continuously reinforced concrete pavement, curb inlet and drainage installation, fast track concreting, and signals and striping. Assisted in review of Contractor baseline and monthly updates. Scheduled using P6 in enterprise environment.		
04/24 – 06/24	TxDOT, SH36 – CSJ No. 0188-03-019, Brazoria County, TX. <i>Scheduler.</i> This \$76 million design-bid-build project includes roadway widening, intersection improvements, and pedestrian/bicycle accommodations. Responsibilities include reviewing baseline/monthly update submissions, analyzing project issues and provide mitigation options to reduce impacts. Scheduled using P6.		
03/24 – 06/24	TxDOT, IH10 – CSJ No. 0072-05-089, Kendall County, TX. <i>Scheduler.</i> This \$26 million project is to repave 14 miles of roads and conduct roadway repairs. Work includes overlay placement, replacement of existing expansion joints, and striping. Responsible for reviewing monthly schedule updates. Scheduled using P6 in enterprise environment.		

Firm AECOM Technical Services, Inc.	
 Lincoln James Economics Senior Manager	Years of Relevant Experience with this Employer 13
	Years of Relevant Experience with Other Employer(s) 10
Degree(s) / Years / Specialization	MS/2006/Business; BA/2000/History
Active Registration Number / State / Expiration Date	NA
Year Registered	NA Discipline NA
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Lincoln is a Senior Consulting Manager within AECOM's National Infrastructure Economics Practice and is the national lead for Grant Support Services for Transportation. He has more than two decades of international experience across a wide spectrum of strategic planning, economic analysis, and project management in infrastructure advisory, transportation economics, land use economics, and regional development. Lincoln has extensive experience handcrafting comprehensive, yet pragmatic, business and planning strategy, and economic/financial analysis for both public and private sector clients and managing professional staff across a variety of disciplines.</i>
Experience Dates	Experience and qualifications relevant to the proposed contract.
01/22 – 12/23	Port of Houston Authority, Technical Support of Grant Administration and Grant Support, Port of Houston Authority, TX. Project Director and Grant Coordinator. Lincoln is the project director and coordinator of grant support services for the Port of Houston Authority's (PHA) for FY2022 and FY2023. Under this engagement, AECOM and its subconsultant team have delivered a funding scan identifying grant program suitable for PHA projects, a funding strategy for capturing discretionary funding under these programs and has provided grant support in the development of turnkey applications and all associated modelling. Further, Lincoln and his team assist PHA with negotiation and administration of grant programs following notice of award.
01/22 – 12/22	NMDOT, New Mexico 4, Jemez Bypass RAISE Application, Jemez, NM. Grant Application. Lincoln coordinated the development and was the lead author of a full turnkey application for co-applicants NMDOT and Pueblo of Jemez for their project seeking funding from the USDOT's 2022 RAISE program. The project entailed the greenfield construction of a new five mile routing of New Mexico State Road 4 which would bypass the Pueblo of Jemez. Estimated benefits of the project included auto travel time and fuel cost savings through a reduction in travel time, commercial truck travel time and operating cost savings through a reduction in travel time, benefits for connected and autonomous vehicles because of the installation of fiber optic cabling, and a reduction in the occurrence of accidents, injuries, and fatalities.
06/22 – 12/22	Shore Power Project (PIDP Grant Application), Port of Galveston, TX. Lead Economist. Lincoln was the lead economist and provided strategic guidance in the narrative development of this grant application seeking funding under MARAD's 2022 Port Infrastructure Development Program to design and install shore power systems for one of the Port's cruise terminals. Lincoln led a small team which estimated the emissions reduction associated with the operation of the shore power project and later assisted the client with the positioning of the Project and the development of the grant application narrative.
01/22 – 09/22	NMDOT, INFRA Grant Application, Border Highway Connector at Santa Teresa Port of Entry, NM. Grant Coordination. Lincoln was the author and coordinator of a successful turnkey grant application submitted by New Mexico Department of Transportation seeking funding under the 2022 INFRA grant program. The project comprised the development of a six mile long greenfield highway facility connecting the Santa Teresa Port of Entry with Interstate 10 near El Paso. The implementation of the project will result in the removal of commercial traffic from local roads, leading to improved safety, as well as the more efficient movement of freight between the nation's ports of entry, interstate system, and intermodal facilities. The project was awarded \$45M in funding in September 2022.


01/21 – 12/21	<p>NMDOT, US 64 Corridor Improvements: Improving Tribal Highway Mobility and Safety (ITHMAS) BUILD Grant Application, Navajo Nation, NM. Grant Coordination. Lincoln served as the application coordinator, author, and lead economist for delivery of a full turnkey application for NMDOT and partner Navajo Nation DOT for their submission for the 2021 RAISE grant program. The project involved multifaceted improvements including bridge replacements, drainage improvements, and pavement rehabilitation of a 21 mile stretch of rural highway in northwest NM. The delivery of the \$80 million ITHMAS Corridor project will enhance the mobility for the local Navajo communities through which it passes. The grant application was noted by the USDOT as best practice example of a transportation project addressing the provision of equity and was awarded \$25 million (from a \$25 million ask) in November 2021.</p>
01/20 – 09/20	<p>Kiamichi Tri-State Rail Improvement Program, CRISI Grant Application, TX, OK, AR. Author, Lead Economist, Grant Coordinator. Lincoln was the author, lead economist, and grant coordinator in the development of an application for improvements to freight rail networks across Texas, Oklahoma, and Arkansas. The project comprised the replacement and upgrading of rail infrastructure to improve safety and operating efficiencies through the avoidance of derailments, the achievement of higher average speeds of travel, and the ability to accommodate a significantly higher load capacity at higher speeds. The delivery of the project will also foster economic development in the rural regions through increasing the railroad’s capability to accommodate existing customers’ unmet demands well as establishing connections to new and existing anchor customers. The application was successful and the project was awarded \$10M in funding in September 2020. Lincoln is now undertaking client side grant administration for this project.</p>
11/19 – 07/2020	<p>US 74 Corridor Opportunities for Rural Efficiency and Safety Improvement (CORESI), INFRA Grant, Asheville to Wilmington, NC. Grant Author. Lincoln was the primary author of the successful application for this project spanning 350 miles of the US Route 74 corridor, largely in rural regions of the state, including the construction of bypasses, safety improvements, ITS upgrades, and the installation of hundreds of miles of fiber optic cabling. The project will bring about a harmonization and continuity of free flow (toward full control of access) along the key freight corridor, with outcomes including an increase in vehicle capacity, faster travel times throughout the entire corridor, a decrease in recurring and non-recurring congestion, and improved safety conditions resulting in a reduction in accidents and fatalities. The project was awarded \$25 million under the INFRA program in July 2020.</p>
01/19 – 12/19	<p>Military Access, Mobility, and Safety Improvements, BUILD Grant, Colorado Springs, CO. Author, Lead Economist, Grant Coordinator. Lincoln was the author, lead economist, and grant coordinator in the development of this application for a multifaceted package of road infrastructure upgrades spread across greater Colorado Springs. The nearly \$130 million project will improve safety and mobility between four of region’s national significant military installations while also substantially reducing the occurrence of accidents and fatalities along Colorado’s primary north to south interstate. This project was awarded approximately \$18 million under the 2019 BUILD program.</p>


Firm		AECOM Technical Services, Inc.		
	Eric Jones Senior Estimator/Scheduler		Years of Relevant Experience with this Employer	7
			Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization		BEng/2010/Construction Management		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		<p>2. Project Management and Support. <i>Eric has more than 19 years of experience in the construction industry. As a cost estimator and a construction scheduler, he draws on his previous responsibilities that included overall project administration throughout the construction process including start-up & closeout, staffing, contract negotiation with subcontractors and suppliers, submittals/shop drawings/requests for information review, material procurement, quantity tracking, estimates and change orders preparation, as well as the maintenance of quality control systems, safety, schedule, and cost accountability. Eric is familiar with project deliverable methods such as build-finance, design-build, and joint venture.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
01/24 – present	<p>USACE, Carters Fabricate Reregulation Dam Spillway Gate, Murray County, GA. Senior Estimator. Providing cost estimate alternatives for the feasibility design development stage. The project's scope, valued at a range of \$5 million to \$30 million, encompasses two alternatives to retrofit the existing dam spillway structure and radial gates to ensure the spillway dam is fully functional without operation issues.</p>			
11/23 – present	<p>USACE, Flood Control Levee Floodwall Project Military Ocean Terminal Concord (MOTCO), Contra Costa County, CA. Senior Estimator. Providing cost estimates for the feasibility alternatives and 10% design development stages. The project's scope, valued at \$700 million, encompasses the construction of floodwall protection, replacement of the drainage system, flood gate installation, pump station construction, and utility replacement. These measures are undertaken to safeguard the existing MOTCO base from potential sea-level rise.</p>			
02/24 – 05/24	<p>South Dakota DOT, SD44 Bridge (Platte-Winner) Winner, SD. Senior Estimator. Provided independent cost estimate at a 100% design stage. The project scope, valued at \$230 million, included the full construction of a new structural steel bridge over the Missouri River. The specific construction scope items included; multiple 12' diameter drilled shaft installations, concrete sub-structure installation, concrete superstructure installation, structural steel girder installation, and demolition of the existing bridge. All work for this project was conducted over a waterway and the use of barges, tugs, ringer cranes, and other marine equipment was required.</p>			
01/23 – 12/23	<p>City of Hendersonville, Saundersville Road Realignment CSX Bridge, Sumner County, TN. Senior Estimator. Provided cost estimate to replace a CSX railroad bridge which will allow the realignment of Saundersville Road.</p>			
01/22 – 12/22	<p>Michigan DOT, Design-Build US131 Reconstruction & Rehabilitation, Kent County, MI. Senior Estimator & Risk Analyst. Provided independent cost estimate and Monte Carlo Simulated Risk Analysis for the US-131 rehabilitation design-build project. The project included 5 miles of full-depth road reconstruction, storm drainage installation, and utility relocations.</p>			

09/17 – present	<p>Coastal Restoration and Protection Authority of the State of Louisiana, Mid Barataria Sediment Diversion, (SP No. BA-0153), Plaquemines Parish, LA. <i>Task Manager and Lead Engineer.</i> Relocation of LA 23 and the NOGC Railroad across the proposed sediment diversion. Also responsible for the design of service roads along LA 23 and railyard layout that contractor will use for site deliveries. Provided QC review for the traffic report and participation in the environmental and public involvement tasks. AECOM is the lead design development team for the \$1.5 billion CMAR project. The rail improvements provide for the extension of track across the diversion channel intake structure which would feature a moveable span for canal maintenance and approximately 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 have accommodations for up to two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and new roadways to connect the existing highway to the new bridge structure. Tasks include road design, drainage, signing, and MOT. Currently leading construction support task for the highway improvements.</p>
07/15 – present	<p>LADOTD, I-49 Connector, Lafayette Regional Airport to I-10/I-49/US 167 Interchange, (SP No. H.004273.5), Lafayette Parish, LA. <i>Project Manager, Leadership Team Member, and Railroad Coordination and Alignment Modifications Task Manager.</i> NEPA Supplemental EIS and Design of a 5-mile urban freeway corridor. The project includes a very elaborate Context Sensitive Solutions process that is occurring concurrently with the environmental process. The project include a signature bridge, an urban master plan for local road and frontage road connections, implementation strategies and 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. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involvement tasks.</p>
06/15 – present	<p>LADOTD, Route LA 3139, Earhart Expressway Extension to US 61, (SP No. H.004367.5), Jefferson Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, location and potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor to transition back to the current lane configuration at the west end of the project. Reviewed traffic reports and participated in the environmental and public involvement tasks.</p>
2015 – present	<p>LADOTD, Road Safety Assessment (RSA) Facilitation, (SP No. H.011935.5), Statewide, LA. <i>Project manager and lead engineer.</i> Tasked to facilitate up to 10 Road Safety Assessments as requested by LADOTD. Tasks include analysis of crash data, preparation of RSA meeting handout, facilitation of the RSA meeting and site visit, preparation of the RSA report. Six RSAs have been performed as of April 2016 in DOTD Districts 02, 07, 08, 61, and 62.</p>
02/07 – 11/09	<p>City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane Improvements (Highland Road to Perkins Road), Baton Rouge, LA. <i>Project Manager and Task Manager.</i> Design of corridor improvements to Siegen Lane to upgrade the two lane suburban road to a four lane urban boulevard. Performed road geometrics, develop suggested sequence of construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included an alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.</p>
11/04 – 02/17	<p>LADOTD (SP No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA. <i>Deputy Project Manager and Project Engineer.</i> Responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.</p>


		Firm AECOM Technical Services, Inc.	
John Perez, PE, CFM Senior Transportation Project Manager		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	37
Degree(s) / Years / Specialization		BS/1983/Civil Engineering	
Active Registration Number / State / Expiration Date		66425/TX/06.30.2024 Other active license: Certified Floodplain Manager, Association of State Floodplain Managers, 1514-09N; HEC-RAS Micro Computing; Hydraulic/Hydrologic Programs, Texas Department of Transportation; Erosion and Sediment Control; HEC-1 Micro Computing; HEC-2 Micro computing	
Year Registered		1989	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support; 9. Roadway Design and Hydraulic Engineering. <i>John is an experienced project manager with over four decades of engineering experience leading engineering and design teams for the design and construction of major highways, urban freeways, fully directional interchanges, and city street projects. John's extensive experience includes advancing roadway plans at all levels of project development, including conceptual design, advanced planning, environmental document preparation, preliminary engineering (schematics), PS&E preparation, and design-build alternative delivery assignments. John is a subject matter expert in hydrology/hydraulics and is regularly assigned complex H&H projects for design.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
11/24 – 01/24	TxDOT - Dallas District, I-635 LBJ East Design-Build Project - Design Services During Construction, Dallas, TX. Drainage Task Lead. Reviewed design alterations, constructability issues, field change requests, and resolution of non-conformance reports during the project construction phase to support the widening and reconstruction of the I-635 LBJ East Freeway in Dallas on this design-build project. The project aimed to improve mobility and reduce traffic congestion in this heavily congested Dallas-Fort Worth commuter corridor. The project spans 11 miles, beginning just east of US 75 in North Dallas to I-30 in Mesquite.		
11/23 – present	TxDOT - Corpus Christi District, Schematic & Environmental MSA 2022-2027 - 2nd Causeway Project, Corpus Christi, TX. Task Leader. H&H studies and schematic design for this Padre Island hurricane evacuation route along the South-Texas coast. These services were delivered under a multi-year task order contract. Services include complex two dimensional hydraulic analysis, setting roadway profiles above hurricane flood stage elevations, and equalizer culverts to balance flood elevations during major storm events.		
01/13 – 03/14	Kiewit Corporation, Commuter Rail Improvements, Dallas/Fort Worth, TX. Drainage Design Manager. Provided engineering design services under a design-build contract for commuter rail improvements to a 37-mile rail corridor connecting Ft. Worth to the DFW airport.		
05/14 – 07/15	Zachry Group, LP 1604 Improvements, Wiseman Road to SH 16/Bandera Road, San Antonio, TX. Drainage Design Manager. Provided engineering design services under a design-build pursuit to improve a 9.5-mile corridor of Loop 1604 in northwest San Antonio. The project included adding new freeway lanes, innovative interchange designs at SH 151, and improved frontage roads along this important city corridor.		
06/15 – 10/16	Archer Western/Sundt Joint-Venture, Loop 375 Improvements (Border Highway West), El Paso, TX. Drainage Design Engineer. Assisted with drainage design and utility coordination to support arterial improvements along the new alignment for a 5.5-mile corridor of Loop 375 in El Paso, Texas. The project included adding new freeway lanes (primarily bridge structures) and innovative interchange designs along this important city corridor.		


07/18 – 09/19	TxDOT, IH-35E Managed Lanes Design-Build, Dallas, TX. <i>Design Review Manager.</i> Led a team of design review engineers tasked with evaluating the efficiency and cost-effectiveness of the roadway and associated design, pavement, SWPPP, drainage, and QC Plans. The project included improvements to a 28-mile-long corridor of IH 35E between Dallas and Denton, TX. The project aimed to improve existing interstate lanes, provide continuous frontage roads, and construct new, reversible managed toll lanes to keep traffic moving at 50' MPH.
07/16 – 03/18	TxDOT - Dallas & Fort Worth Districts, SH 183/SH 114/LP 12 Design-Build Freeway Reconstruction Dallas and Tarrant Counties, Industrial Blvd to IH 35E, Dallas & Tarrant Counties, TX. <i>Design Task Manager.</i> Supervised 24 drainage engineers on the SH 183/SH114/LP 12 design-build project that involved 29 miles of urban freeway reconstruction, with oversight over 10,000 acres of dense urban development. The design was completed in 14 months and, at peak production, required over 180 design professionals working concurrently to complete the PS&E project in record time. The drainage design involved hydraulic analysis, evaluation, and PS&E design for the freeway reconstruction of three intersecting freeways along a highly developed urban corridor through Dallas, Irving, and DFW Airport. The drainage design addressed inlet spacing and storm sewer design for a freeway system with 10 to 12 mainlanes of traffic, two to four HOV lanes, and six to eight frontage road lanes (a total of 24 lanes of traffic in the most developed areas). Fourteen major culvert/bridge crossings were analyzed, including five crossings in FEMA-designated floodplains (Zone AE) and multiple detention systems with complex rate-of-release control structures. The design also addressed the development of major outfall systems into the Elm Fork of the Trinity River, extensive river hydraulic evaluations using HEC RAS, and extensive coordination with the Ft. Worth District Corp of Engineers related to bridge hydraulics and bridge structures over the Trinity River Levee System. The successful delivery of that project saved TxDOT, the City of Irving, and the contractor over \$15 million in drainage structure savings by implementing detention systems and by researching, coordinating, and partnering with the City of Irving to implement planned drainage capital improvement projects years ahead of schedule, resulting in cost savings for all parties and benefiting the surrounding communities.
11/19 – 02/21	TxDOT - Houston District, SH 249 Design-Build (Greenfield Project), Houston, TX. <i>Drainage Design Task Lead.</i> Worked closely with the Williams Brothers executive team to win this assignment in the TxDOT Houston District. The project included approximately 24 miles of a new tolled facility consisting of four new toll lanes (two in each direction) from FM 1174 in Pinehurst, Montgomery County, to FM 1774 in Todd Mission, Grimes County (Segment 1), and two new toll lanes (one in each direction) with periodic passing lanes (Super 2 configuration) from FM 1774 to SH 105 near Navasota in Grimes County (Segment 2). The project crossed twelve major AE Floodplains/Floodways, included four regional detention ponds, and required setting roadway elevations above the 100-year flood for the entire corridor (Hurricane evacuation route). To win the project, costs needed to be tightly controlled, requiring close coordination between the roadway and drainage engineers to streamline the highway profile and develop economical designs to minimize earthwork volumes.
02/02 – 04/03	TxDOT - San Antonio District, IH 410/San Pedro Interchange, San Antonio, Texas. <i>Task Manager.</i> Drainage design and bridge layouts of three overpass structures at one of San Antonio's most visible and transited interchanges. The three overpass bridge structures were designed to replace a cloverleaf interchange. The cloverleaf ROW was used to install detention ponds near this high-end commercial development. Drainage approach required special hydraulic studies to design interconnected detention pond systems that improved problem runoff rates in the project area. The detention pond system incorporates hydraulic functionality with landscape enhancements designed to blend with and complement the high-end commercial development adjacent to the interchange. Design creativity implemented by the team saved the TxDOT millions of dollars. Due to years of urban development, a major storm sewer was insufficient to carry offsite runoff, causing the freeway mainlines to flood frequently. This same storm main was routed under the North Star Mall, making downstream improvements cost prohibitive. Design creativity and detention systems allowed for an economical solution that utilized an existing 36" RCP to drain over 50 acres of dense urban development.

Firm AECOM Technical Services, Inc.	
 Frank Perricelli, PE, PSP Project Controls Manager, Senior Scheduler	Years of Relevant Experience with this Employer 30
	Years of Relevant Experience with Other Employer(s) 1
Degree(s) / Years / Specialization	MS/2001/Civil Engineering; BS/1994/Civil Engineering
Active Registration Number / State / Expiration Date	076934/NY/07.30.99 Additional active licence: NJ, TX; AACE Certified Planning and Scheduling Professional - #971
Year Registered	1999
	Discipline Professional Engineer
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Frank has considerable and diversified experience in scheduling and delay analysis, and other project control practices. He is responsible for providing scheduling and analysis services for several large-scale highway and bridge, railroad, tunnel, and facility projects and for managing and mentoring project controls staff. His experience ranges from planning and design to scheduling and project controls practices. He uses Primavera scheduling software on a daily basis. He has presented at industry project control conferences and has developed and delivered CPM training for transportation agencies. In addition, he has varied experience in the inspection and design of various highway, transit, and bridge structures for numerous public agencies in several states.</i>
Experience Dates	Experience and qualifications relevant to the proposed contract.
03/23 – present	New York City Department of Environmental Protection, Kensico Eastview Connection Program – Mount Pleasant, NY. Master Scheduler. This 13-year program is to construct a new tunnel between the Kensico Reservoir and the Catskill/Delaware Ultraviolet Light Disinfection Facility. Program includes five construction contracts: new 2-mile deep rock tunnel, construction of new screen chamber and electrical building, redevelopment of Kensico campus and modifications to upper effluent chamber. Responsible to review contractor schedule submissions. Scheduled using P6.
07/23 – present	New York State Department of Transportation, Replacement of Bronx River Parkway Bridge over Amtrak/CSX with Safety and Mobility Improvements Between E177th St. & E. Tremont Ave. – Best Value, D264883, Bronx, NY. Senior Scheduler. This \$137.7 million project is to reconstruct the existing Bronx River Parkway over Amtrak mainline Bridge, to construct a new Ramp Bridge to E177th St. and to widen the BRP over E. Tremont Bridge. Work includes new steel girder bridges, above-deck steel strongbacks, extensive support of excavation, drilled shaft foundations, extensive GRSS and fill-type retaining walls, new Amtrak catenary structures, PCC paving for staged construction. Considerations include Amtrak Northeast Corridor, CSX and adjacent design-build project coordination. Construction methods include use of a custom gantry crane system. Best Value project included two bid Contract Durations: Substantial Completion and Project Completion. Responsible to review the baseline and update schedules. Analyzed delays for late award and Amtrak access agreement. Supervised other Schedulers. Scheduled using P6 in enterprise environment
06/22 – present	New York State Department of Transportation (NYSDOT), Miscellaneous Term Agreement for Construction Management and CPM Scheduling Services Statewide D038227, New York State. Lead Scheduler, CPM Trainer, Assistant Project Manager. This statewide engineering services term agreement contract is to assist the NYSDOT Project Management Office and construction Project Field Offices on a task order basis in resolution of complex construction schedule and cost issues including review and analysis of construction CPM progress schedules, review of Contractor requests for time extensions, assisting in defense of contract time-related disputes and claims, acceleration analysis, development of suggested preliminary construction schedules (time determination schedules) during design, constructability reviews, CPM and Oracle-Primavera P6 training and software administration for statewide enterprise P6 and Unifier systems. Responsible for coordination of staffing for each assignment and supervising other schedulers. Responsible to review and oversee the review of schedules on several construction projects statewide. Scheduled using P6 in enterprise environment.


		Firm AECOM Technical Services, Inc.	
Charlie Stein, PE, DBIA Civil Senior Manager		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years of Specialization	BS/2001/Civil Engineering		
Active Registration / State / License / Date	6.201053702E9/MI/09.01.24 Additional active license: Design-Build Professional (DBIA)		
Year(s) Awarded	2006	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	1. Alternative Delivery; 2. Program Management and Support; 11. Plan Development and Letting Support Services. Charlie brings more than 18 years of diverse experience that ranges from project level scoping, program management and inspections to design and delivery of projects. He previously served as the Director of the Innovative Contracting Unit at the Michigan Department of Transportation (MDOT). In this role, he was responsible for overseeing contract procurements for alternative delivery projects, including design-build, design-build-manage (DBM), manager/general contractor (CMGC), alternative technical concepts (ATCs), fixed price - variable fee, and public-private partnership (P3) projects. He also managed or has been a key resource for the design and delivery of MDOT's innovative projects and program. During his career, he managed MDOT's first public-private partnership project (15 year contract) to improve the freeway lighting in the Detroit area; managed the first two bridge slides using a CMGC procurement; and helped to deliver MDOT's first design-build program using a design-build procurement.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/16 – present	MDOT, US-31/I-94 Design-Build Procurement, Design Assistance During Construction (DADC), Benton Harbor, MI. Project Manager. Development of design-build procurement documents to reconstruct I-94 from approximately Napier Road north to I-196; reconstruction and alignment of I-94 BL from Urban Road to new US-31 interchange; new route construction of US-31 from Napier Road to the new I-94 Interchange. The project includes two new bridges and one rehabilitation. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, environmental coordination, and utility coordination. DADC delivery is just beginning but will include schedule reviews, cost estimates, submittal management and coordination between Design-Builder. The construction cost is expected to be approximately \$135 million.		
05/20 – 05/22	I-496; Design-Build Procurement, Lansing, MI. Project Manager. Development of design-build procurement documents to reconstruct and realign I-496 from approximately Lansing Road easterly to the Grand River. The project includes the addition of weave/merge lanes, rehabilitation and capital preventive maintenance on 15 bridges throughout the corridor, drainage reconstruction, signing, pavement markings, and freeway lighting. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, environmental coordination, and utility coordination. The construction cost is approximately \$80 million.		
01/16 – present	MDOT Innovative Contracting, I-75 & M-46 Design-Build, Saginaw, MI. Lead QA/QC. Procurement and DADC services for the reconstruction and widening of I-75 from Hess Road to I-675 using design build delivery. The project includes a new double roundabout interchange at M-46 and elevating a 2000-foot stretch of I-75 to allow the removal of a pump station. AECOM services included preliminary road and bridge design, geotechnical services, RFQ & RFP development, cost estimating, risk assessment, scheduling, facilitating meetings and coordination with utilities.		

06/16 – present	<p>I-75 from M-102 to 13 Mile Road (Segment 3) Design-Build-Finance-Maintain, MI. Lead QA/QC. AECOM is leading the design efforts of a public-private-partnership to reconstruct and widen the I-75 corridor from M-102 to 13 Mile Road in southern Oakland County. AECOM is financing, designing and overseeing the reconstruction of the freeway, bridges, retaining walls, interchanges, ITS, freeway lighting, traffic signals, landscaping, water main and sanitary sewer relocation, and a new four-mile long storm water management tunnel. The project includes a reconfigured interchange at 12 Mile Road as a DDI and the corresponding IACR.</p>
08/16 – 04/17	<p>MLK Boulevard over M-10 Design-Build, Detroit, MI. Project Manager. Development of design-build procurement documents to replace and widen the bridge over M-10. The project also included the reconstruction and widening of M-10 and the off-ramp to M-5, removal and reconstruction of retaining walls, resurfacing of M-5 and reconstruction of bike lanes, utility relocation, lighting and landscaping. Procurement services included preliminary design, drafting, contract and RFP language, technical reviews, risk assessment, utility coordination, surveying and geotechnical borings. DADC delivered design submittal reviews, cost estimates, submittal management and coordination between the Design-Builder, the City of Detroit, Great Lakes Water Authority, the CE consultant and other sub-consultants. The construction cost of this project was \$13 million.</p>
10/14 – 12/18	<p>US-2 from Wisconsin State Line to M-95 North Junction Design-Build, Iron Mountain, WI. Project Manager. Provided procurement and DADC services for design-build project to reconstruct US-2 near Iron Mountain, including elimination of boulevard section, intersection reconstruction, roadway widening, traffic signal modernization, and drainage improvements. AECOM services include design submittal review, cost estimating, contract review, submittal management and coordination between the Design-Builder and MDOT. The construction cost for this project was \$2 million.</p>
01/14 – 12/15	<p>Metro Region Freeway Lighting P3, MI. MDC Project Manager. Developed contract language and terms to procure Michigan's first public-private partnership contract. This project included the improvement of 15,000 lights which were operating at level of approximately 65%. Charlie provided oversight on the project, project feasibility of the project and overall market sounding. Developed solicitation documents, determined design and performance standards and evaluation criteria. Evaluated cost scenarios using an Availability Payment structure to right size the project and meet the budget goals of the Department. The contract term was 15 years. Reviewed project management, construction and maintenance reports submitted by the Developer. The construction cost for this project was \$124 million.</p>
01/11 – 03/12	<p>I-96 under M-50, Construction Manager/General Contractor (CMGC) Procurement, Kent County, MI. MDOT Project Manager. Responsible for developing necessary contractual provisions to utilize CMGC procurement and price negotiations with the CMGC to reconstruct the northbound and southbound US-131 bridges over 3 Mile Road. This project utilized a CMGC procurement method due to the Bridge Slide. Services included developing a RFQ and application for FHWA approval (SEP-14). The project was a reconstruction of 0.12 miles along M-50 including constructing lateral slide temporary works, replace and widen the bridge over I-96, reconstruct bridge approach, resurface three interchange ramps, reconstruct the eastbound off-ramp and extend the deceleration lane. A robust media campaign was developed to promote the innovative idea. Stakeholder engagement was critical to address any concerns and to incorporate any requirements needed for emergency services due to the detour route that was in place over the 5 day period. The construction cost of this project was \$4 million.</p>


Firm AECOM Technical Services, Inc.			
 Tuna Tanriovier Vice President, Risk Consultancy	Years of Relevant Experience with this Employer 12		
	Years of Relevant Experience with Other Employer(s) 2		
Degree(s) / Years / Specialization	MS/2010/Construction Engineering and Management; BS/2009.Civil Engineering		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Tuna leads our Risk Consultancy in the Americas and is responsible for overseeing AECOM's risk assessment and risk management services. From the prefeasibility stage through construction, Tuna has leveraged his extensive experience in the fields of Quantitative Risk Assessment, Risk Management, Project Controls, and Project Management on more than 70 infrastructure and regional development projects. These projects encompass a wide range, including but not limited to transit projects, bridges, airports, highways, dams, power facilities and wastewater treatment plants.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/13 – present	Georgia Department of Transportation, Transportation Investment Act (TIA) Program, Atlanta, GA. Risk Manager. As part of the Program Management team for the 851-project TIA program, Tuna developed and implemented a risk-based processes to quantify project and program risks, inflation, and project management level of involvement. He integrated a probabilistic forecasting cash-flow process to isolate and inform the decision-making. Tuna created a change management control tool that tracked and managed risk causes and triggers. He also worked with project, preconstruction, and construction managers to create awareness on risk areas and to sequence and prioritize projects based on risk exposure and cash-flow availability.		
01/18 – 01/24	Amtrak & The Gateway Development Corporation, Hudson Tunnel Project, New York, NY. Risk Manager. The Hudson Tunnel is a multibillion- dollar project that will provide two new tunnels beneath the Hudson River to access the Pennsylvania Rail Station. Tuna is responsible for leading the cost schedule risk assessment to support key project decisions, including packaging and delivery method selection, contingency estimates, total project cost, and certainty on the construction schedule. As part of the risk allocation, the risk assessment is also used to transfer risks through the RFP and project agreements.		
01/16 – 01/19	Metropolitan Transportation Authority, East Side Access Program, New York, NY. East Side Access is a multi-billion-dollar public works project under construction in New York City. It will bring the Long Island Rail Road (LIRR) into a new station built below, and connected to, Grand Central Terminal on the East Side of Manhattan. As the Risk Manager, Tuna was responsible for development, implementation, and execution of risk management standards. and met Federal Transit Administration (FTA) risk management directives.		
04/13 – 06/18	New York State Thruway Authority, Governor Mario M. Cuomo Bridge, Westchester, NY. Risk Manager. The Governor Mario M. Cuomo Bridge is an approximately \$4 billion suspension bridge that replaced the existing Tappan Zee Bridge bride in Tarrytown, Westchester. Tuna conducted quarterly Risk Assessments using a customized integrated cost and schedule model. In compliance with FHWA) standards, he has supported the authority's project management team in its evaluation of the design-builder proposal and development of mitigation strategies throughout construction.		
05/12 – 11/15	MTA, Second Avenue Subway, New York, NY. Risk Associate. The is a \$16 billion new subway line within New York City's subway system. Tuna has supported and implemented risk-based decision-making processes in the first phase of the subway project. He monitored and updated risk registers while verifying implementation and execution of risk management standards and practices; attended various meetings with the project team, recorded meeting notes, and prepared monthly risk reports for senior management; and updated cost estimate at completion model and contingency drawdown curves to monitor project status and support preparation of budget reports.		

Firm AECOM Technical Services, Inc.			
	Phil Vogelslang, PE Value Engineering Facilitator & Design PM	Years of Relevant Experience with this Employer	24
		Years of Relevant Experience with Other Employer(s)	19
Degree(s) / Years / Specialization		MSCE/1979/Civil Engineering (Structural); BSCE/1978/Civil Engineering	
Active Registration Number / State / Expiration Date		6201036592/MI/06.26.2025	
Year Registered		1991	Discipline Professional Engineer
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support.	

Experience Dates	Experience and qualifications relevant to the proposed contract.
02/24 – 04/24	VE Study for Bridge Reconstruction of Martin Luther King (MLK) Jr. Street over US-131, CSX and Grand Elk RR in the city of Grand Rapids, Kent County. Value Engineering Study Facilitator.
01/23 – 04/23	VE study for reconstruction of I496/US-127 from Michigan from I-96 to Trowbridge Road (JN210069), including work at 19 bridges, and median guardrail extension on I-96 between US-127 and College Road (JN209403) in Ingham County. Value Engineering Study Facilitator.
10/22 – 01/22	VE Study for M14/I-96 Interchange reconstruction and 16 bridge structures in Wayne County. Value Engineering Study Facilitator.
06/21 – 09/21	VE Study for JN 201133, CS 70024: I-196 from Byron Road to 32nd Avenue Road Reconstruction including Ramps at Byron Road Interchange JN 207995, CS 70024: Four (4) Bridges on I-196 Bridge CPM: Joint Replacement, Deck Patching, Beam Heat Straightening. Value Engineering Study Facilitator.
03/21 – 05/21	VE Study for the rehabilitation of I-75, Bridge Improvements, Signalized Intersection, and Culvert Replacements. Value Engineering Study Facilitator.
06/20 – 01/21	I-94, Jackson and Calhoun Counties. Value Engineering Study Facilitator. VE Study for reconstruction and pavement inlay and bridge preventative maintenance of I-94 in Jackson and Calhoun counties.
08/20 – 12/20	VE Study from Michigan Avenue to M-60 in Parma, Sandstone and Blackman Townships, Jackson County (JN 127621) Pavement reconstruction with ramp extensions and drainage improvements and Bridge Capital Preventative Maintenance (CPM) Work for six bridges. Value Engineering Study Facilitator.
12/18 – 1/2019	VE Study for the reconstruction of Frontenac, Burns, Grand River Avenues over I-94, Detroit, MI. Value Engineering Study Facilitator.
10/18 – 12/18	VE Study for the reconstruction of East Grand Blvd. over I-94 and Milwaukee Ave over I-75, City of Detroit. Value Engineering Study Facilitator.
05/18 – 07/18	VE Study for the reconstruction of I-69 in Clinton and Eaton Counties. Value Engineering Study Facilitator.
03/17 – 04/2017	VE Study for the replacement of a bascule bridge in Bay City, including vetting numerous EPE alternatives. Value Engineering Study Facilitator.


Firm KPMG LLP			
	John Aguilar Senior Associate, KPMG	Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		MBA/Tulane University BS/Chemical Engineering/Louisiana State University	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support. <i>John is a Senior Associate within KPMG's Infrastructure Practice. He will utilize his finance experience to assist in project development and financial modeling activities.</i>	

Experience Dates	Experience and qualifications relevant to the proposed contract.
2022 – present	Indiana Regional Development Authority ("RDA") – Transit-Oriented Development Project Advisory. Following the large investment Northern Indiana Commuter Transportation District (NICTD) is making to improve service along the South Shore Double Track and West Lake Transit Corridors, John is a part of the team that is advising the client by helping to identify project opportunities for transit-oriented development, engaging with the private development community, developing a marketing campaign, and designing an innovative financing program that will support development. John is providing financial and qualitative analysis for potential project developments, such as financial modeling to ascertain the potential assistance the RDA could provide, assisting term sheet development, and reviewing financing documents.
2023	New York City School Construction Authority ("NYC SCA") – Real Estate Lease Assessment. John is a part of a team that is assessing the SCA's processes to fulfill public school seat needs in New York City through leased assets from identifying potential sites through lease execution and site fit-out.
2022	University of South Alabama Health ("USAH") – Real Estate and Asset Management Baseline Assessment. John was a part of a team that conducted a real estate and asset management baseline assessment with USAH leadership using KPMG Asset Management Baseline Review (AMBR) tool, which assessed USAH based on ~40 criteria related to real estate, strategic planning, asset management, O&M, capital planning, and technology systems. The outcomes of the assessment provided the client with an understanding of their current state as well as a prioritized list of improvements for their future 'to-be' state.

Firm KPMG LLP			
 Justin Clarke Director, KPMG	Years of Relevant Experience with this Employer		19
	Years of Relevant Experience with Other Employer(s)		6
Degree(s) / Years / Specialization	MBA/University of Florida BBA/ Finance and Economics/Baylor University FINRA Series 7, 63 and 79 Licenses		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Justin is a Director within KPMG's Infrastructure Practice with over 20 years of financial and infrastructure advisory experience with a focus on innovative infrastructure investments, P3, and portfolio development. He served as the day-to-day contact for all financial modeling and commercial/ financial analysis for LADOTD's Belle Chasse P3. He will serve in the same role as part of this contract to serve the financial and commercial needs of the LADOTD.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
2009 – 2020	<p>Louisiana Department of Transportation and Development: Justin KPMG's overall day-to-day manager for the work we perform with LADOTD. He has worked with LADOTD on a variety of P3 and infrastructure engagements, including:</p> <ul style="list-style-type: none"> - LADOTD Belle Chasse Bridge and Tunnel Project: Justin is the currently the lead day-to-day financial advisory contact for LADOTD's first PPP project. The Belle Chase project is a toll concession DBFOM near New Orleans, LA. Justin was a lead advisor responsible for assisting the Department in the financial analysis, financial commercial term development, negotiations, the development and evaluation of the financial components of the procurement documents (RFQ and RFP). 2021 Commended Bridge and Road Transaction of the Year (P3 Bulletin) - Other P3 and financial/toll feasibility support included the development of the Baton Rouge Loop (in collaboration with East Baton Rouge Parrish) and I-49 Lafayette Metropolitan Expressway (in collaboration with Lafayette Metropolitan Expressway Commission)
2017-present	<p>Arizona Department of Transportation:</p> <ul style="list-style-type: none"> - Justin is currently leading the financial and commercial evaluation of the Arizona statewide NEVI program P3 awards. - I-17 Flexible Managed Lane DBOM: Justin led the financial analysis, procurement strategy and assisted negotiations with developers for the \$400 million I-17 flexible lane expansion project from north of Phoenix. - Transportation Operations Center: Justin led the financial analysis, commercial and market analysis to establish a business case development for the private sector management of the Arizona state-wide operations center.
2013-present	<p>Florida Department of Transportation</p> <ul style="list-style-type: none"> - I-4 Ultimate – Led the \$2.3 billion I-4 Ultimate DBFOM Managed Lane Toll concession financial plan and pass/fail analysis for the RFQ submission. - FDOT: Toll project feasibilities and reviews of alternatives

2005 – present	<p>TxDOT Statewide CDA Screening and Market Valuation Program: Justin managed the initiation, development and structuring of the statewide CDA screening program at PPP program inception. Justin developed a trailblazing analytical framework to assist the development of CDA project prioritization, project delivery method selection, financial and preliminary project delivery considerations. He also built preliminary shadow bid valuation models to assist the selection and prioritization of potential PPP transactions. Justin has managed a robust PPP screening and feasibility analyses using a robust financial and risk analysis framework for over 110 candidate PPP Projects worth approximately \$70 billion in construction value. Of these projects, Justin led the analysis, shaping and statewide strategy for 45 managed lane projects for TxDOT. \$15 billion of transportation investments including key transactions which involved over \$2 billion of TIFIA financing support:</p> <ul style="list-style-type: none"> - IH 635 Managed Lanes Transaction: One of the first managed lanes P3 transactions in the United States and was named Infrastructure Journal’s Project of the Year (2010) and is the largest managed toll lane and Design-Build Finance Operate Maintain toll concession project (\$4 billion total value) ever developed in the United States. - Other select TxDOT managed lane transaction leadership: Border Highway Toll Lanes (\$800 million) - DBOM; Loop 1604 (\$150 million) - DB; US 77 (\$80 million) DB; 35E (Dallas, TX) - \$1.5 billion DBM. - SH 99 (Grand Parkway): Justin managed the multi-year, multi-segment evolution of this \$6 billion Design-Build Maintain project which is a 185-mile toll road around Houston. (2 DBOM procurements over 4 years). - Other select TxDOT projects that he managed include: SH 161 toll road (\$600 million) Concession; SH 360 toll road (\$700 million); Border Highway Toll Lanes (\$800 million) - DBOM; US 77 (\$80 million) - DB; SH 249 toll road (\$400 million) - DBM; Dallas Horseshoe (\$900 million) - DBM; and SH 71 Toll Road (\$140 million) DBM.
2012	<p>North Carolina Department of Transportation: I-77 – Led the \$655 million I-77 DBFOM Managed Lane Toll concession financial and pass/fail analysis for the RFQ submission. Acted as Pass/Fail subcommittee chair.</p>
2008-2011	<p>Los Angeles County Metropolitan Transportation Authority:</p> <ul style="list-style-type: none"> - PPP Project Screening Program – Justin actively managed the development of LA Metro’s PPP program, screening and innovative delivery strategies by using a transparent, rational, and unbiased process for PPP project recommendations of 33 high priority transit and 53 highway transportation projects in Los Angeles County. - PPP Program Development – Justin conducted strategic studies and business plans for six new PPP projects identified by the KPMG screening process. The selected projects include three highways, valued at \$15.5 billion, and three transit rail projects, valued at over \$7 billion.
2011-2015	<p>Governor of Michigan and Michigan Department of Transportation: Justin led the financial analysis, procurement strategy and business case development for several MDOT projects including the statewide bridge program, rest areas, rail, statewide pumping station program and other key transportation infrastructure developments in the Detroit Metropolitan region.</p> <ul style="list-style-type: none"> - Blue Water Bridge: Justin led the financial analysis, commercial and governance business case development for a multi-billion dollar international bridge crossing and trade zone.
2018-2021	<p>CenterPoint Properties: Joliet (IL) Inland Port Toll Bridge Private Placement – Justin led the deal team to raise a \$200 million private placement of equity to form a Joint Venture on behalf of CenterPoint to expand and develop a new toll bridge near Chicago, IL. Justin led the commercial, demand-based underwriting and financial analysis as well as the overall competitive process that involved CenterPoint receiving significant value to create a unique transaction structure to deliver critical interstate access to the North America’s busiest inland port.</p>


Firm KPMG LLP			
 Guy Wilkinson Principal, KPMG	Years of Relevant Experience with this Employer		28
	Years of Relevant Experience with Other Employer(s)		0
Degree(s) / Years / Specialization	BA (Hons), University of York, History BA (Hons), University of York, History ACA qualified, Associate Member of the Institute of Chartered Accountants in England and Wales FINRA Licenses: Series 24, 7, 63, and 79		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Guy is a Principal within KPMG's Infrastructure Practice with over 20 years' experience advising on project finance and P3 transactions in the transportation sector. He served as a financial advisor on LADOTD's Belle Chasse P3 and will serve in the same role as part of this contract to serve the financial needs of the LADOTD.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
11/18 –2020	Louisiana Department of Transportation Belle Chasse P3: Guy advised the Louisiana Department of Transportation on the development of the toll concession Belle Chasse Project. Guy oversaw the financial evaluations for the project and led KPMG's project team in commercial negotiations with the preferred bidder.
2011 – present	<p>Amtrak: Guy is KPMG lead advisory partner for KPMG account with Amtrak. This has included the following engagements:</p> <ul style="list-style-type: none"> - Amtrak Northeast Corridor Business Plan: Guy led a multi-disciplinary team providing strategic and commercial advice on the expansion and redevelopment of the Northeast Corridor. KPMG developed a business and financial plan as well as delivery options assessment and analysis plan for the project implementation. The work enabled the process towards environmental analysis and prioritization of phasing including the Gateway Program. - Terminal Development Initiative: Led advisory team to Amtrak on a broad range of real estate and investment consultancy services required to assist in analyzing and developing actionable alternatives to improve the performance of a subset of its terminals and portfolio of real estate assets, foster private investment, generate new revenue streams, and identify opportunities to maximize and leverage value through development and other means. - 30th Street Station: Guy acted as client service partner on the redevelopment of Philadelphia's iconic station. We have guided the client from initial market sounding and feasibility through evaluation of bids and selection of preferred bidder. In 2021 Amtrak reached commercial and financial close with Plenary to redevelop the headhouse and passenger concourse. - Performance Improvement: Guy acted as client service partner on a major performance improvement initiative at Amtrak. Strategic organizational and performance improvement initiative to achieve multi-million \$ savings across the organization. Work across multiple functions of the organization including: marketing; Information Technology; and Finance.


2018 – present	<p>Massachusetts Bay Transportation Authority (MBTA):</p> <p>Guy is KPMG lead advisory partner on the MBTA account consulting on a wide range of initiatives including aimed at generating new revenue, decreasing costs, and procuring capital projects. Work includes advising on:</p> <ul style="list-style-type: none"> - the new Automated Fare Card payment system implemented by Cubic and John Laing; - advice on transit orientated developments; commuter rail advice on commercialization of fiber along rail network and Keolis inventory management; and - process improvement, organization and change management advice for functions within the agency.
2021 – present	<p>NJ Transit: Guy is currently advising NJ Transit on the Gateway Program including the Portal North Bridge project and on expansion of electric ready bus vehicle maintenance/storage facilities. Work has included analysis of the financial plan for Gateway and options analysis for the development and expansion of bus facilities. The Gateway work has included advice on CIG application process and the development of MOUs between the various stakeholders including New York, New Jersey and Amtrak.</p>
2009 – 2011	<p>LA Metro: Coordinated KPMG financial advice to LA Metro as part of a team of advisors acting to assist the Authority in structuring and ultimately delivering a range of highway and transit projects. Tasks included the development and execution of screening methodology, development of feasibility financial analysis and preliminary business case development.</p>
2017 – 2018	<p>LYNX – SR 436: Guy advised LYNX on a transit corridor study on SR 436, also known as Semoran Boulevard or Altamonte Drive. The focus of the study is the segment of SR 436 between SR 434 in Altamonte Springs and Orlando International Airport’s South Terminal to identify alternatives to improve mobility and access to transit along the corridor.</p>
2020 – 2021	<p>FDOT: MCORES: Guy led an engagement working with Central Office, FTE and Districts 1,2, and 5 on analyzing key considerations on governance, strategy, process and organization associated with the MCORES program. First phase of work included a diagnostic assessment of the current state of the capital program and the development of a roadmap to address areas of capability and required support throughout the program’s lifecycle.</p>
2008 – present	<p>FDOT: I-4 Ultimate: Guy has advised FDOT on project structuring for 21 mile, \$2.3 billion reversible managed lanes project, leading efforts to develop financial feasibility analyses, provide financial analysis in support of procurement activities, and support FDOT with negotiations with key investors, TIFIA, and ratings agencies. Guy also oversaw the development of applications for Transportation Infrastructure Finance Innovation Act (TIFIA) and Private Activity Bonds (PABs) allocation for the project.</p>
2008 – 2010	<p>California Department of Transportation: Advised on the Presidio Parkway Concession in San Francisco. This project will include replacing some of the existing Doyle Drive with a new six-lane parkway and a southbound auxiliary lane. The project also includes construction and installation of various electrical and mechanical technologies the Girard Road undercrossing, and Low Viaduct, the Northbound High Viaduct, the Northern Park Presidio Interchange, the Northbound Roadway to Merchant Road, and demolition of the existing High Viaduct, and finally landscaping.</p>
2008 – 2010	<p>Texas Department of Transportation: Provided advice on CDA program for TTC-35. This is ongoing work and involves updating the master development plan, assessing the merit of projects ready for development and evaluating proposals put forward by TTC35 partner Cintra Zachry.</p>
2017 – 2019	<p>Alabama Department of Transportation: Guy advised ALDOT on the procurement of their first P3 Mobile River Bridge Crossing. The project is at RFP shortlisting stage and Guy has advised the DOT on its INFRA grant and TIFIA applications as well as providing strategic advice on the development of RFP and concession agreement.</p>

	Firm	RS&H, Inc.	
Dean El-Baz, PE (non-LA)		Years of Relevant Experience with this Employer	1
Senior Program Director		Years of Relevant Experience with Other Employer(s)	18
Degree(s) / Years / Specialization	MS/2007/Civil Engineering BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date	PE: TX/111022 / 03-31-25;), IL / 062076020 / 11-30-2025; MD / 62986 / 05-19-2026, WA / 24005003 / 11-17-2025; OR / 104694 / 12-31-2025, CO / 0063990 / 10-31-2025		
Year Registered	2010 earliest	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities	2. Project Management and Support. <i>Dean specializes in alternative deliver technical services and risk management.</i>		

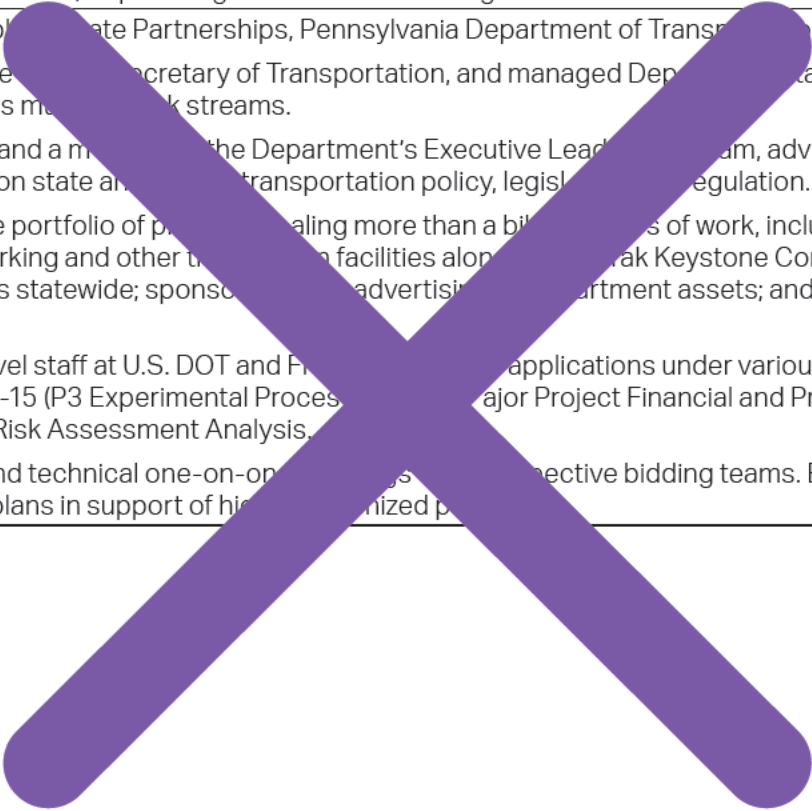
Experience Dates	Experience and qualifications relevant to the proposed contract.
11/2023-Current	Served as task lead for IDOT IPD Owner Advisory Project. Assisted with the developed procurement documents, authored Technical Provisions and RFQ, RFP, ITP on behalf of Illinois DOT Innovative Project Delivery team. Focused on Design-Build programmatic documents. Performed risk workshops for District 1 and District 3 DB/CMGC projects. Also served as task lead for TxDOT Implementation to update TxDOT Design-Build Administration Manual. With RS&H Innovative Project Advisory group, serves as commercial subject matter expert for P3 projects.
08/2020-11/2023	Directs technical component of bids, manages development of O&M cost model, leads technical components of bid proposals. Collaborates with DBJV to develop NPV approach for selecting competitive pavement sections. Leads development of tolling regime and model, coordinating with internal and external parties to reduce toll collection risk.
10/2019-08/2020	Served as corridor manager for MoPac North projects, supported 183 North Mobility Project procurement, and acted as Maintenance and Structures SME for CTRMA. Developed federally required Initial Financial Plan and Project Management Plans for 183 North project.
03/2017-10/2019	Served as Deputy Project Manager and O&M technical advisor on TxDOT Statewide Procurement Engineering contract, supported LP1604 Reconstruction CEI, and led program delivery for Mobility35 Program managing over \$8B in projects. Developed programmatic reporting using Tableau to manage CDA/DB projects in operation. Coordinated evaluation and development of revised plan sheets due to changing field conditions on LP1604 project.
12/2013-03/2017	Led team for Pennsylvania Rapid Bridge Replacement Program (PennDOT), a \$1.8B DBFM P3 project replacing 558 bridges. Served as Project Manager and advised PennDOT on strategic direction for contract matters. Ensured developer compliance with Project Agreement, Technical Specifications, construction and environmental requirements. Led daily coordination with internal and external stakeholders, including Development Entity, Design Builder, FHWA, and public. Served as Deputy Project Manager and Quality Management Systems Advisor/Lead Auditor for LBJ Express \$2.7B P3 project. Helped lead Travis County Courthouse Program. Conducted regular audits to ensure Developer compliance with CDA and project documents. Assisted in procuring/managing Design-Build Contractor for Travis County Courthouse Program.08/2008-12/2013Project Manager at HNTB Corporation. Managed implementation of multiple CDAs for TxDOT's Strategic Project Division. Managed portfolio of 1,500 sites through GLO's \$230M Disaster Recovery Program. Researched and developed white papers on subjects like 3D Design and 3D Asset Management. Spearheaded inter-agency cooperation between GLO and TxDOT to use Program Funds for local Participation Waived-Projects.
08/2008-12/2013	Managed implementation of multiple CDAs for TxDOT's Strategic Project Division. Managed portfolio of 1,500 sites through GLO's \$230M Disaster Recovery Program. Researched and developed white papers on subjects like 3D Design and 3D Asset Management. Spearheaded inter-agency cooperation between GLO and TxDOT to use Program Funds for local Participation Waived-Projects.

Firm		RS&H, Inc.		
	Andrew Keetley, PE (TX)		Years of Relevant Experience with this Employer	11
	Senior Engineer		Years of Relevant Experience with Other Employer(s)	26
Degree(s) / Years / Specialization				
Active Registration Number / State / Expiration Date		PE: 92836 / TX / 09/30/2024		
Year Registered		2003	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities		2. Project Management and Support. <i>Andrew has expertise in project risk management.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
08/23–05/24	Risk Manager for the design and construction of two new taxiways at the Austin Bergstrom International Airport South Terminal airfield, using the Construction Manager at Risk delivery method. Coordinated risk activities, managed risk register, performed risk assessments and risk cost analysis.
04/22–Present	Risk lead for development of risk management programmatic guidance documents and trainings for IDOT Bureau of Innovative Project Delivery. Facilitated risk workshops for IDOT District 1 projects, prepared risk registers and reports, developed and delivered risk management trainings, and assisted with the development of IPD program risk management guidance documents.
05/19–06/22	Risk manager for the I-495 and I-270 Public Private Partnership Program in Maryland. Maintained program and project risk registers, collaborated with project team, facilitated annual risk workshops and FHWA Cost Estimate Risk Assessment (CERA), reviewed risk allocations in contract documents, and delivered training on risk management for P3 delivery.
09/17–2020	Risk workshop facilitator for various transportation projects for the Texas Department of Transportation (TxDOT). Facilitated 12 risk workshops, provided pre-workshop coordination and support, prepared risk surveys, workshop facilitation, risk analysis and allocations, and final reports.
07/17–Present	Procurement Engineer and Risk Task Leader for TxDOT, providing procurement support, risk management services, and development of programmatic design-build guidance documents.
08/20–12/2021	Project Manager for researching risk management best practices and developing risk assessment and management guidelines for the Michigan Department of Transportation (MDOT).
10/18–06/2019	Risk manager for the I-75 Commercial Vehicle Lanes project for the Georgia Department of Transportation (GDOT), including risk workshop facilitation and preparation of risk register.
10/17–09/2022	Senior engineer providing procurement support and risk workshop facilitation for the 183 North Design-Build Procurement for the Central Texas Regional Mobility Authority (CTRMA).
03/18–04/22	Risk lead and procurement delivery advisor for the I-75/I-24 Interchange Design-Build Procurement for the Tennessee Department of Transportation (TDOT).

Firm RS&H, Inc.		Years of Relevant Experience with this Employer		4
 Bryan Kendro RS&H VP, National Innovative Program Advisory Leader		Years of Relevant Experience with Other Employer(s)		22
Degree(s) / Years / Specialization		BA / 2002 / Government and Politics		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA		
Contract Role(s) / Brief Description of Responsibilities		Interstate Delivery Technical Services; 2. Program Management and Support. Bryan provides Alternative Support / Support development of RFP and ITP for CMAR, DB, PDB, and P3 Projects; Provide management support for large p		
Experience Dates	Experience and qualifications relevant to the proposed contract			
06/21 – 12/23	I-495 and I-270 P3 Program GE... Maryland Department of Transportation; Baltimore, MD <ul style="list-style-type: none"> - Responsible for leadership and coordination of a multi-disciplinary advisory team, which includes technical, legal, and financial experts, on the development of the RFP, negotiations with bidders, and managing the continued development and delivery of the project along with the P3 Office and MDOT leadership. 			
06/16 – Present	Staff Augmentation for Expert Business Management Consultant Services, Virginia Department of Transportation (VDOT); Richmond, VA <ul style="list-style-type: none"> - Qualitative and quantitative screening, program document development, procurement document development and selection activities, and development of procurement documents for the implementation of P3s throughout the Commonwealth. - Analysis of policies, risks and opportunities associated with potential projects and brings both the public and private sector perspective to the screening process. 			
01/24 - Present	Owner Advisor – CMGC, PDB Program, Illinois Department of Transportation (IDOT) Bureau of Innovative Project Delivery; Statewide, IL <ul style="list-style-type: none"> - Reviewed RFQ, RFP, ITP, and contract documents on behalf of IDOT Innovative Project Delivery team. - Provided leadership and guidance on market best practices and performance sharing amongst owners and contractors 			
01/24 - Present	Owner Advisor – Moving Florida Forward, Moving Florida Forward, Florida Department of Transportation (FDOT), Corridors Program Office, Statewide, FL <ul style="list-style-type: none"> - Led development of Project Management Plan - Review and QA of Progressive Design-Build Request for Qualifications document and procurement schedules on behalf of FDOT for use on future PDB projects. - Development of Industry Review Term Sheet of key commercial terms for Progressive Design-Build 			
04/18 – 04/19	Belle Chasse Bridge and Tunnel Replacement Project, LA DOTD, Plaquemines Parish, LA <ul style="list-style-type: none"> - As the Director of Project Development for Star America, was responsible for evaluating the project opportunity and risks, commenting on the solicitation documents, and developing the strategy for negotiations on the commercial structure. 			


11/15 – 05/20	<p>Star America Infrastructure Partners, LL, Roslyn, NY - Director, Project Development</p> <ul style="list-style-type: none"> - Led all of Star's business development efforts including strategic planning, identification and analysis of investment opportunities, relationships development with public sector clients, bid partners and key stakeholders. - Works closely with the project pursuit and implementation team providing strategic leadership and input on the development of Request for Information (RFI) responses, Statements of Qualifications (SOQs), Project Development Agreements (PDAs), and Proposals (solicited and unsolicited) to public agencies at all levels of government
4/11 – 5/15	<p>Office of Policy & Public-Private Partnerships, Pennsylvania Department of Transportation, Harrisburg, PA – Director</p> <ul style="list-style-type: none"> - As Director, reported to the Secretary of Transportation, and managed Department staff and teams of legal, financial and technical consultants, across multiple work streams. - As Policy Director and a member of the Department's Executive Leadership Team, advised the Secretary of Transportation and the Governor's Office on state and federal transportation policy, legislative and regulatory. - Managed a diverse portfolio of projects totaling more than a billion dollars of work, including: the replacement of 558 bridges; construction of parking and other transportation facilities along the I-76/Pennsylvania Turnpike Keystone Corridor; construction of natural gas fueling stations for transit agencies statewide; sponsored advertising for Department assets; and wireless telecommunication partnership opportunities. - Engaged senior level staff at U.S. DOT and FHWA on applications under various specialty programs, including Private Activity Bonds (PABs), SEP-15 (P3 Experimental Process), Major Project Financial and Project Management Plans, Cost Estimate Reviews (CER) and Project Risk Assessment Analysis. - Led commercial and technical one-on-one meetings with prospective bidding teams. Executed comprehensive stakeholder outreach and engagement plans in support of highly competitive public-private partnerships.




**5. Traffic Engineering and
Design Services
- Analysis and Reports**
(See Section 14)

 Firm AECOM Technical Services, Inc.	
Kordel Braley, PE, PTOE (MPR 5) Associate Vice President	
Years of Relevant Experience with this Employer 6	
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 Additional active license: PE AZ, CO, ID, NV, TX, UT; PTOE/#3173
Year Registered	2022
Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	MPR Traffic Engineering and Design Services - Analysis Reports. 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, engineers, and decision-makers create safe and efficient projects. In his current role, Kordel has led or assisted in the development of several Interchange Access Justification Reports (IAJRs). With the recent update of the FHWA Traffic Engineering Toolbox (TAT) Volume III, Kordel has worked proactively with TxDOT's DES Division on new types of analysis including cluster analysis and statistical evaluation of alternatives to provide a more data-driven approach to traffic engineering.
Experience Dates	Experience and qualifications relevant to the position used on this project
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 into schematic/ENV phase. Kordel led the traffic team in using innovative analysis procedures to evaluate existing and future network conditions and assist in the development of alternatives. Kordel worked collaboratively and proactively with the other discipline leads to identify and resolve document issues and develop and analyze potential options.
06/19 – present	TxDOT, LP 1604, FM 1346 to FM 1303, San Antonio, TX. Traffic Engineer. Kordel provided traffic design, including capacity analysis of segments and intersections using Synchro. He collected and processed traffic from active and passive sources, developed traffic forecasts, and analyzed traffic delay, and LOS. He also supported design of signing and pavement marking, performed traffic engineering at intersections, supported environmental analysis, and supported predictive safety analysis.
10/18 – present	TxDOT, LP 1604 and I-10 San Antonio 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 evaluate 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 the 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	<p>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, he also helped identify gaps in sidewalk facilities and developed a simple and transparent prioritization process to assist the City complete the missing gaps.</p>
12/13 – 12/18	<p>Utah Valley Express (UVX) Bus Rapid Transit Final Design, Utah County, UT. Traffic Engineer. Kordel provided traffic engineering and forecasting services for the Utah Transit Authority (UTA) for the design of a 10-mile Bus Rapid Transit (BRT) line in Provo and Orem, Utah. Kordel performed microsimulation analysis—using VISSIM—of one of the design segments that covered 900 East to assist the designers in intersection and signal design including transit signal priority. Kordel also provided traffic engineering support during construction. Kordel's involvement in this project began with a previous employer where he was the lead planner involved in the Provo/Orem BRT Second Order Study completed for the Provo Municipal Council in 2014. This study involved close coordination and collaboration with multiple stakeholders including UTA, UDOT, Millcreek, Provo City, BYU, and the LDS Church (MTC). The study successfully brought multiple parties together and helped the BRT project continue to progress.</p>
04/15 – 06/18	<p>UDOT, Traffic Study Support, Statewide, UT. Project Manager, Traffic Engineer. Kordel led efforts to for 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, passing zone studies, and advisory curve speed studies. These studies were performed across all four regions in Utah. 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 tool (Numeric). Kordel also assisted the project team in evaluating and creating analysis methodologies, such as a warranting process for traffic signal system installation, left-turn phasing, and pedestrian crossings. Kordel has collaborated with other consultants to deliver traffic and safety engineering studies to UDOT.</p>
04/20 – 10/21	<p>Wasatch Front Regional Council, Lehi, UT. 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, car, and enhanced bus along two alignments. VISSIM models will also be used to evaluate alternatives.</p>
04/21 – 08/21	<p>Benefit-Cost Analysis, SR-101/Hearn Avenue Interchange Project, Fresno, 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 benefits 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.</p>
07/19 – 01/21	<p>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.</p>

Firm AECOM Technical Services, Inc.			
	Peter Bakhit, PhD, PE Senior Traffic Engineer	Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	4
Degree(s) / Years / Specialization		PhD/2018/Civil Engineering; MS/2015/Civil Engineering; BS/2012/Civil Engineering	
Active Registration Number / State / Expiration Date		PE/143705/TX/12.31.24	
Year Registered		2022	Discipline Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design Services - Analysis and Reports. <i>Peter is a professional engineer with more than four years of experience focusing on the transportation industry. He has experience working on projects for LADOTD pertaining to traffic and safety studies, feasibility studies, permanent signing design, signal design, and NEPA studies. His software skills include: Synchro, Vissim, VISTRO, ArcGIS, Freeval, MATLAB, R Studio, SPSS, MicroStation and HCS. Dr. Bakhit is also a member of ASCE and ITE organizations.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
04/19 – 01/22	LADOTD, Pete's Highway Interchange Alternatives & Environmental Assessment, Denham Springs, LA. Traffic Engineer. Responsible for traffic analysis of proposed alternatives using Vissim software.		
04/18 – 05/19	LADOTD, Freeval Lane Closure Analysis: Major Metropolitan Areas, Baton Rouge, LA. Freeval Modeling. Responsible for developing and calibrating the Freeval models for multiple freeway corridors in New Orleans, and Baton Rouge. This project aimed to provide a tool to analyze different lane closure scenarios for the interstate freeways in major metropolitan areas of Louisiana.		
06/19 – 12/19	LADOTD, US 61 Corridor Study (Airline Hwy), Baton Rouge, LA. Traffic Analyst. Responsible for the corridor safety analysis. The purpose of the study is to assess traffic operations and potential safety improvements for this urban, four-lane divided highway. Scope of services include existing traffic data collection and analyses, safety data analyses, future traffic projections considering corridor growth rates, assessment of access management improvements (implementing "Superstreet" concept), and evaluation of concept using HCM methodologies.		
07/13 – 12/15	LADOTD, Development of an Optimal Ramp Metering Control Strategy For I-12, Baton Rouge, LA. Traffic Vissim Modeling. Responsible for developing different traffic Vissim models with various ramp metering plans. The purpose of the study is to evaluate different ramp metering strategies to identify the optimal algorithm that can improve traffic operations on I-12.		
04/18 – 02/20	LADOTD, I-10 (LA 73 TO LA 429) Ascension Parish IMR & IJR Study, Ascension Parish, LA. Transportation Engineer. Providing technical support for various tasks including data collection, development of build alternatives through a tiered analysis, and conceptual drawings of critical roadway geometry. The purpose of the project is to evaluate improvements to an existing interchange and configuration of two new interchanges along I-10 in Ascension Parish.		
04/18–02/20	I-10 (LA 73 TO LA 429) Ascension Parish IMR & IJR Study, LADOTD, Ascension Parish, LA. Transportation Engineer. Providing technical support for various tasks including data collection, development of build alternatives through a tiered analysis, and conceptual drawings of critical roadway geometry. The purpose of the project is to evaluate improvements to an existing interchange and configuration of two new interchanges along I-10 in Ascension Parish.		


16. Staff Experience

		Firm AECOM Technical Services, Inc.	
Jonathan McDowell, PE (MPR 1, 2 & 3) Associate Vice President		Years of Relevant Experience with this Employer	21
		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 Additional active license: PE: MS, AR; 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 Hired	2003	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	<p>MPR 1, 2, & 3. Principal-in-Charge; Project Manager; 5. Traffic Engineering and Design Services – Plan Development; 12. Construction Support and Other Services (Bike/Ped/Complete Streets). Jonathan McDowell 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 I and II community planning studies, NEPA and EISs, line and grade alternatives development for new roadways and improvements to existing roadways, construction contract administration, and construction engineering and inspection of highway and infrastructure projects. Design projects have included interstate highways, urban and rural roads, major bridge 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.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
03/23 – present	<p>LADOTD, LA 561 Boeuf River Bridge (SP No. H.001970.1), Hebert, Caldwell, and Richland, Parishes, LA. Road Design Task Leader. Replacement of a bridge with a new prestressed concrete girder bridge. Tasks included the development of the horizontal and vertical alignment for the bridge placement on the existing alignment while updating the typical section of the road to current standards and connections to the adjacent local road, Womack Road, that serves four residences along the Boeuf River.</p>		
10/21 – present	<p>Louisiana Intermodal Terminal Preliminary Design, New Orleans, Violet, LA. Deputy Project Manager and Project Engineer. Preliminary design of intermodal container yard facility on the Mississippi River near Violet, Louisiana. Developed conceptual design for the relocation of St Bernard Highway (LA 46), improvements along Judge Perez Drive (LA 39), and the access interchange and the new port access to the terminal gate. Developed conceptual layout for the container terminal internal road plans and developed the geometry of the wharf ramps. Developed the conceptual design for the relocation of the mainline Norfolk Southern railroad and the yard tracks, intermodal railroad yard tracks, and support tracks. Managed team of engineers and support staff to deliver 30% plans for two highway improvements packages and the railroad relocation and new industrial yard tracks package. Leading the permitting process for DOTD and Railroad ROW permits. Developed yard layout, circulation and access points.</p>		
10/20 – present	<p>City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Rouge, LA. Project Manager and Task Manager. Urban Road Design and Complete Streets improvements to College Drive. The project includes a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.</p>		


09/17 – present	<p>Coastal Restoration and Protection Authority of the State of Louisiana, Mid Barataria Sediment Diversion, (SP No. BA-0153), Plaquemines Parish, LA. <i>Task Manager and Lead Engineer.</i> Relocation of LA 23 and the NOGC Railroad across the proposed sediment diversion. Also responsible for the design of service roads along LA 23 and railyard layout that the contractor will use for site deliveries. Provided QC review for the traffic report and participation in the environmental and public involvement tasks. AECOM is the lead design development team for the \$1.5 billion CMAR project. The rail improvements provide for the extension of track across the diversion channel intake structure which would feature a moveable span for canal maintenance and approximately 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 have accommodations for up to two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and new roadways to connect the existing highway to the new bridge structure. Tasks include road design, drainage, signing, and MOT. Currently leading construction support task for the highway improvements.</p>
07/15 – present	<p>LADOTD, I-10 Connector, Lafayette Regional Airport to I-10/I-49/US 7 Interchange, (SP No. H.004273.5), Lafayette Parish, LA. <i>Project Manager, Leadership Team Member, and Railroad Coordination and Alignment Modifications Task Manager.</i> NEPA Supplemental EIS and Design for a 3.5 mile urban freeway corridor. The project includes a highly 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 modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with underpasses and proposed modifications to an Amtrak station platform. Other rail modifications include replacing the bridge crossing with highway overpass. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic reports, environmental and public involvement tasks.</p>
06/15 – present	<p>LADOTD, Route LA 3139, East Baton Rouge Expressway Extension to US 61, (SP No. H.004367.5), Jefferson Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Extension of East Baton Rouge Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, and potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access to adjacent property, and ability to drop lanes along the corridor to transition back to the current lane configuration at the west end of the corridor. Prepared traffic reports and participated in the environmental and public involvement tasks.</p>
2015 – present	<p>LADOTD, Road Safety Assessment (RSA) for US 61, (SP No. H.011935.5), Statewide, LA. <i>Project manager and lead engineer.</i> Tasked to facilitate up to 10 Road Safety Assessments requested by LADOTD. Tasks include analysis of crash data, preparation of RSA meeting handout, facilitation of RSA meeting and report, and preparation of the RSA report. Six RSAs have been performed as of April 2016 in DOTD Districts 08, 61, and 62.</p>
02/07 – 11/09	<p>City of Baton Rouge, East Baton Rouge, Siegen Lane Improvements (Highland Road to Perkins Road), Baton Rouge, LA. <i>Project Manager and Task Manager.</i> Design of corridor improvements from Highland Road to Siegen Lane to upgrade the two-lane suburban road to a four-lane urban boulevard. Performed road geometrics, developed construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included an alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.</p>
11/04 – 02/17	<p>LADOTD (SP No. 700-92-0016), Florida Avenue Bridge over IHNC, Metairie, LA. <i>Deputy Project Manager and Project Engineer.</i> Responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.</p>

		Firm AECOM Technical Services, Inc.	
Bonnie Dial, PE, PTOE Traffic Engineer		Years of Relevant Experience with this Employer	18
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS/2006/Civil Engineering	
Active Registration Number / State / Expiration Date		PE/108550/TX/ 03.31.25 Other active license: PTOE/3577/11/30/2025	
Year Registered		2011	Discipline Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design Services - Analysis and Reports; 5. Traffic Engineering and Design Services – Plan Development; 13. Other Services (ITS). <i>Bonnie prepares plans and specifications for traffic signals, signing, pavement markings, lighting as well as safety, capacity, and operational improvements.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/18 – present	Slaughter Lane Improvements, City of Austin, Austin, TX. Traffic Task Lead. Providing management and traffic design lead services for about 10 miles with sidewalks, SUP, bike lanes, and roadway capacity. Designed and constructed in phases to facilitate early construction. Bonnie supervised the preparation of the Traffic Projections Report and Safety Analysis. Bonnie managed signal design and signing/pavement marking design for over 20 traffic signals within multiple PS&E and IDIQ submittals. Coordinated with staff, other agencies, and utilities for a cohesive design.		
11/20 – 01/21	Staff Augmentation, City of Austin, TX. Project Manager. Led multiple traffic engineering projects. Bonnie supervised the design of safety improvements with federal HSIP funding including two traffic signals, traffic control plan, pedestrian ramp improvements, and signing/stripping. Converted the PHB for Congress at Alpine to a full signal, and designed new signal at Congress at Ramble. In addition, managed the fast-paced Cameron/Dessau street lighting PS&E project to improve safety lighting along roadway. Coordinated with City staff, Austin Energy, TXDOT, and other consultants. Developed 48 Cameron/Dessau street light design sheets specifications, and cost estimates and Howard/Slaughter street light schematic with cost estimate from 0-100% in 3 months.		
08/20 – present	US 59 Reconstruction, TXDOT Laredo District, Laredo, TX. Traffic Task Lead. Provided services for 90% design of 6.5 miles of ITS, temporary and permanent signals for two intersections (University Blvd. and Del Mar Blvd.), and signing and pavement markings. The ITS system consists of DMS, CCTV, and wrong way detection systems on select exit ramps. Designed mast arms, pedestal poles, APS push buttons, installation of Synchro Green (radar detection), and CCTV to view under bridge. Designed signing and marking plans for freeway, frontage road, and transition between arterial and freeway segment. Designed ITS schematic and coordinated among multiple prime consultants and with traffic control for consistency.		
09/21 – 09/22	West Road at Fedex Drive Traffic Signal Design, Fedex, Houston, TX. Traffic Design Lead. Provided services for the design of a traffic signal to Harris County standards and specifications. The project included coordination with Fedex, Harris County for approval of the traffic signal design, and CenterPoint to establish a new electrical service. The design included a traffic signal warrant study, flashing left turn arrow warrant, and intersection sight distance analysis. Also providing review and approval of construction item submittals.		
11/19 – 01/20	Planning Level Traffic Impact Analysis, Confidential Client, Lake Charles, LA. Project Manager. Responsible for the oversight of a planning level traffic impact analysis for traffic during construction of a new industrial facility. Using generalized criteria for similar types of roadways, the existing and expected arterial Level of Service (LOS) was analyzed and possible roadway network improvements were identified to determine the overall viability of the project.		


01/19 – 03/21	SH 146 at N Alexander Drive Traffic Signal Design, TXDOT (Houston District), Baytown, TX. Traffic Signal Design. Prepared a traffic signal warrant study for the intersection of SH 146 at Alexander Drive that determined once the mainlane overpass is built, a traffic signal is no longer needed. Then, performed an all-way stop warrant and traffic signal design to convert the traffic signal to flashing all-way stop conditions until further study after construction. The controller needed to be relocated due to the location of the bridge columns, and the existing mast arms will remain to reduce construction cost.
03/19 – 12/19	FM 1488 at Forest West and FM 1488 at Sweetgum Lane Traffic Signal Design, TXDOT (Houston District) Montgomery County, TX. Project Manager. Responsible for the design two traffic signals along FM 1488 due to the growing drivers in the area. The design included mast arms, pedestrian crossings to align with the planned access management project. Included driveway relocation to align driveway with intersection, utility relocation to avoid mast arm location, designed conduits and pedestrian ramps to avoid existing cross drainage diagonal across intersection.
03/19 – 12/19	FM 1488 Access Management Study, TXDOT, Montgomery County, TX. Project Manager. Responsible for guiding short-, medium-, and long-term improvement solutions to enhance safety and mobility along the 14 mile corridor with 19 signalized intersections. Analyzed intersection LOS, crash history, and deficiencies as part of the existing conditions report. Conducted steering committee, stakeholder, and public meetings as part of the valuable public involvement process. Recommended access management solutions including raised medians with hooded left turn lanes, continuous green T intersection, bicycle connectivity through intersections, pedestrian crossings, and traffic signal improvements. Prepared construction cost estimates and Transportation Improvements Program (TIP) applications to request funding.
03/19 – 10/19	Industrial Traffic Study, Confidential Client, Gregory, TX. Project Manager. Responsible for the analysis of a large industrial facility with the primary goal to recommend roadway improvements for circulation of existing operations and future operations. Understanding project needs, collecting traffic count data, determining local growth rates, analyzing intersections in Synchro, analyzing freeways in Vissim, and preparing construction cost estimates. Close coordination was required with client and TXDOT to incorporate several planned improvements.
07/19 – 05/20	IH 45 Reconstruction, TXDOT, Harris County, TX. Traffic Task Lead. Responsible for design of signing, signals, pavement markings, high mast illumination, and ITS along IH 45 from south of the Texas City Terminal Railroad to north of the Galveston Causeway surrounding SH 6 intersection. Performed quality control for signing, pavement markings, and ITS. Led team to complete work on time, within budget, and to high quality emphasizing public safety.
01/18 – 12/18	SH 3 Access Management Study, TXDOT, Harris County, TX. Traffic Engineer. Responsible for short-, medium-, and long-term improvements to enhance safety and mobility along the 14-mile corridor with 24 signalized intersections. Prepared preliminary roadway improvements to add raised medians with hooded left turn lanes based on Synchro traffic analysis results, to add sidewalks for multimodal connectivity, and recommend traffic signal improvements. Presented recommendations to the steering committee and prepared visually effective public meeting materials. Currently tasked to design 3 traffic signal designs from these recommendations.
01/17 – 12/17	SH 105 Access Management Study, TxDOT, Montgomery County, TX. Traffic Engineer. Responsible for the development of short term solutions for a 4 lane highway to be expanded to 6-lanes with a 28-ft median. The corridor has high speed limits, developing suburban area, high driveway density. The corridor has plenty of right-of-way for access management improvements. A cost estimate was also developed.
06/16 – 10/16	Traffic Signalization of Hollyhock Road and Greenhouse Road, Harris County, Katy, TX. Technical Lead. Responsible for the design of a new traffic signal, including providing engineering services for signing and striping, pedestrian facilities, and extending turn bays.

Firm		AECOM Technical Services, Inc.		
	Ryan Eckenrode, PE, PTOE, RSP₂₁		Years of Relevant Experience with this Employer	15
	Traffic and Planning Leader		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization		BS/2004/Civil Engineering; MS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date		35591/LA/09.30.2024 Additional active license: PE: SC, NC, VA, GA, AL; PTOE; RSP21		
Year Registered		2010	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		<p>5. Traffic Engineering and Design Services – Analysis and Reports. <i>Ryan's experience includes traffic impact assessment and data collection for analysis, transportation planning and safety studies, access management, signal warrant studies, signal timing and signal coordination. Hd understands that safety and improved operations can be achieved simultaneously using access management and other innovate intersection / interchange designs with reduced conflict points and has experience with the analysis of diverging diamond interchanges, superstreets, Michigan lefts, quadrant lefts, continuous T, single-point urban interchanges, and metered and unmetered roundabouts. He has conducted roundabout analyzes at over 100 intersections and understands the benefits from the reduction in crash severity and operation with regards to circulatory flows.</i></p>		
Experience Dates		Experience and qualifications relevant to the proposed contract.		
07/21 – present		<p>S-908 (Gap Creek Road) at Gary Armstrong Road / Hampton Road, South Carolina Department of Transportation (SCDOT), Spartanburg County, SC. Senior Traffic Engineer. Performed quality control for the traffic analysis report and performed the roundabout analysis for two (2) alternatives. Alternatives included signalization with various turn lane improvements and a single lane roundabout with and without slip lanes. AECOM used the Highway Safety Software (HSS) following Highway Safety Manual methodology to determine the expected number of crashes with each alternative and compared operation with regards to level-of-service (LOS), delay and 95th percentile queuing for the Existing 2020, Opening Year 2024 and Design Year 2040 traffic conditions.</p>		
09/20 – present		<p>US 21 (Anderson Road) at S-162 (Hall Spencer Road), SCDOT, York County, SC. Senior Traffic Engineer. Performed quality control for traffic analysis and safety report that included three (3) alternatives. This existing stop control intersection has a 70 foot median where vehicles are expected to stop in the middle. Alternatives included installing a raised median with U-turns, an unsignalized reduced conflict intersection (RCI) and a signalized option. Challenges at this intersection included identifying areas for the U-turns, requiring consultation with a local fire station to not negatively impact operations. Operations and predictive crash analysis were compared for all three alternatives for the Existing 2020, Opening Year 2024 and Design Year 2040 traffic conditions.</p>		


02/20 – present	<p>On-Call Traffic Safety Engineering Services – Road Safety Audits (RSA), SCDOT, Statewide. Senior Traffic Engineer/Deputy Project Manager. Responsible for conducting road safety audits, develop crash maps with five (5) or six (6) of crash data plotted on an aerial, and organizing a pre-audit meeting which included representatives from SCDOT, local municipalities, county governments, MPOs, FHWA and SC Highway Patrol. The RSA team walked the corridors during the peak periods while reviewing crash data and observing driver behavior, and then documented potential considerations using the FHWA Prompt List. AECOM compiled the formal reports and presented findings to stakeholders.</p> <ul style="list-style-type: none"> - SC 146 (Woodruff Road) Road Safety Audit, Greenville County, SC: RSA along 3.1 miles of Woodruff Road between Roper Mountain Road and Bagwell Road in Greenville, SC. It is a 5-lane minor arterial that provides access to many commercial sites and residential developments as well as access to two major interstates (I-85 and I-385). US 25 (White Horse Road) Road Safety Audit, Greenville County, SC: RSA along 6.5 miles of White Horse Road between just south of I-85 and Lily Street in Greenville, SC. - US 25 is a 7-lane principal arterial providing access to many commercial sites and residential developments. In addition, it is a major truck corridor, connecting I-26 to I-85. The Corridor also provides bus service via Greenlink Transit, Route 6, with multiple stops along the study area. - US 1 (Two Notch Road) Road Safety Audit, Richland County, SC: RSA along 4.1 miles of Two Notch Road between Trenholm Road Ex / N Grampian Hills Road and Risdon Way / Valhalla Drive in Columbia, SC. It is a 5-lane north / south principal arterial that provides access to many commercial sites, residential developments, and Interstate 77. - US 17 Business from Conway Street to 29th Avenue Road Safety Audit, North Myrtle Beach, SC: RSA along 2.0 miles of South Kings Hwy between Conway Street and 27th Avenue. - South Kings Highway from 29th Avenue S to 27th Avenue N Road Safety Audit, Myrtle Beach, SC: RSA along 4.0 miles of South Kings Hwy between 29th Avenue S. and 27th Avenue N. - Wade Hampton Boulevard from University Circle to Woodfern Circle Road Safety Audit, Greenville County, SC: RSA along 1.3 miles of Wade Hampton Boulevard between University Circle and Woodfern Circle (includes 800 feet of N. Pleasantburg Drive and 800 feet of Pine Knoll Drive). - Wade Hampton Boulevard from S. Brannon Road to Fleming Drive Road Safety Assessment, Greenville County, SC: RSA along a 1.0 mile of Wade Hampton Blvd between S. Brannon Road and Fleming Drive in Greer, SC. - Cedar Lane Road from Hawks Landing Subdivision to Smythe Street Road Safety Audit, Greenville County, SC: RSA along a 1.0 mile of Cedar Lane Road just west of Hawks Landing Subdivision to Smythe Street in Greenville, SC.
02/18 – 01/20	<p>SCDOT, Strategic Highway Safety Plan (SHSP), Statewide, SC. Project Manager, Senior Traffic Engineer. AECOM, as a subconsultant, was responsible for coordination with Prime to update SCDOT’s Strategic Highway Safety Plan (SHSP) 2020-2024. The SHSP establishes statewide priorities and identifies critical emphasis areas based on a detailed analysis of statewide crash data and input from a wide array of safety stakeholders. Conducted five SWOT phone interviews with key stakeholders across South Carolina and prepared 1 page summaries of the interviews. Aided in developing countermeasure strategy sheets in key areas such as unsignalized and signalization intersections and roadway departure. Tasks also included developing an implementation plan specifically related to infrastructure programs and project implementation.</p>

Firm AECOM Technical Services, Inc.			
 Greg Trahan, PE, RSP₁ Project Manager V	Years of Relevant Experience with this Employer 18		
	Years of Relevant Experience with Other Employer(s) 1		
Degree(s) / Years / Specialization	BS/2005/Civil Engineering		
Active Registration Number / State / Expiration Date	36041/LA/03.31.25		
Year Registered	2011	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>5. Traffic Engineering and Design Services - Analysis and Reports; 5. Traffic Engineering and Design Services - Planning Development; 9. Roadway Design and Hydraulic Engineering; 12. Construction Support Services. Greg is a civil engineer experienced with working on roadway design and traffic projects. He has worked hard delivering credible and quality projects for AECOM since graduating college. During his time with AECOM, he has had experience as a project engineer and project manager for many transportation, planning, design, specification, and construction projects.</p> <p><i>Training. 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), 2023 ATSSA Certified–Traffic Control Supervisor Refresher</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
09/17 – present	<p>Coastal Protection and Restoration Authority, LA 23 over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA. Project Engineer. 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, Sequence of Construction Plans. There will be multiple construction activities being conducted at one time, the sequence of Construction is a critical element of design in order to manage traffic and maintain roadway operations even if evacuation routes would be required.</p>		
05/14 – present	<p>LADOTD, Earhart Expressway Extension to US 61, Jefferson Parish, LA. Project Engineer. 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 ten 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 Greg is analyzing design alternatives, traffic data collection (speed and vehicular classification) along the corridor, and crash data.</p>		
05/13 – present	<p>LADOTD (State Project No. H.001779.5) Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA. Project Engineer. 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. Task included geometrics study of highway and interchange ramps to produce three feasibility alternatives.</p>		
02/16 – present	<p>Jefferson Parish Public Works, Mounes St. Drainage Improvements, Jefferson Parish, LA. Project Engineer. Responsible for traffic control plans for the construction of the drainage improvements along Mounes Street. Plans included the phasing of traffic to install inground box culverts within the limits of the travel lanes.</p>		

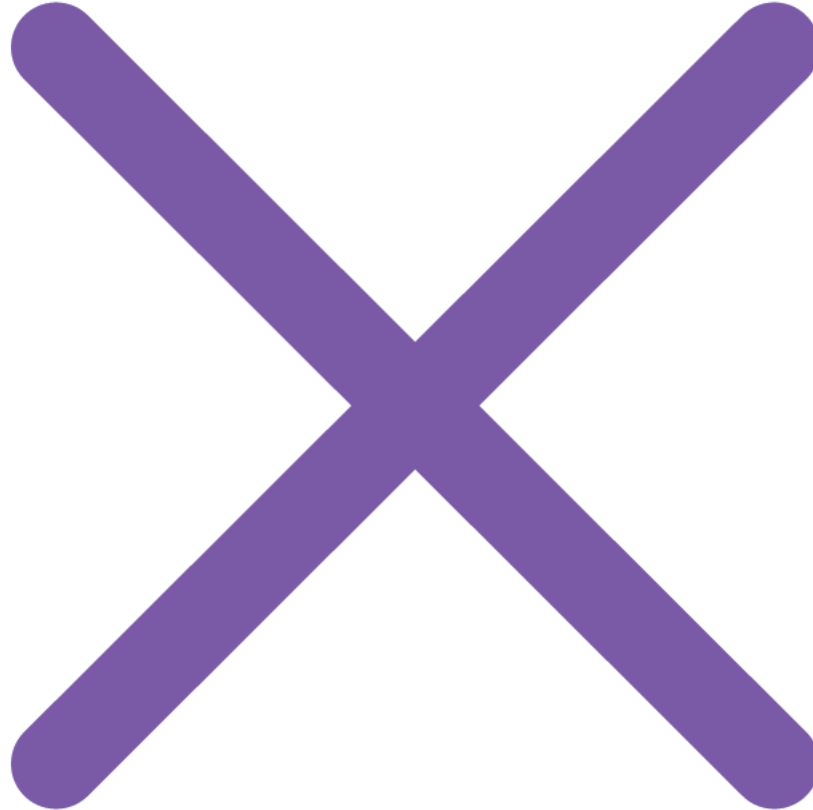
07/15 – 06/17	LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA. Project Engineer. Responsible for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of Louisiana. The tasks associated with this project include; site 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.
03/14 – 09/14	LADOTD, Krotz Springs Bridge and Business US 90 Bridge In-Depth Bridge Inspection, LA. Project Engineer. Assisted in the Maintenance of Traffic Plans for the inspection of the Krotz Springs Bridge and the Business US 90 Bridge. These plans included provisions to detour traffic from the closed portions of the bridge or entrance ramps.
11/11 – 01/13	LADOTD, LA 935 Feasibility Study, Safety Retainer Contract, Ascension Parish, LA. Project Engineer. Performed a Stage 0 on a segment of LA 935 from LA 431 to LA 22. 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' off the original alignment. This realignment allowed for the road to be widening to 12' 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 (State Project No. H.005171.1) I-49 Study to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA. Project Engineer. Aided in identifying roadway projects that would provide increased capacity or improved safety along the US 90 corridor. Some of the improvements may upgrade portions of US 90 to interstate standards.
02/07 – 06/10	Baton Rouge Dept. of Public Works, Siegen Lane Improvements, Highland Rd. to 650' south of Perkins Rd., Baton Rouge, LA. Project Engineer. Assisted in the design and plan development to widen 1.18-mile segment of Siegen Lane to a 4-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 to ensure that 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. Prepared quantities and cost estimates for the project.
11/04 – 12/07	LADOTD (State Project No. 700-92-0016) Florida Avenue Bridge over IHNC, New Orleans, LA. Project Engineer. Assisted in the geometric design of two interchange ramps connecting to Florida Ave. 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.


Firm Gresham Smith			
	Alben Cooper, III PE, PTOE Traffic	Years of Relevant Experience with this Employer	5
		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization		BS/2018/Civil Engineering	
Active Registration Number / State / Expiration Date		PE 36291/LA/9.30.2025 PTOE 5/02/2027	
Year Registered		2011 PE 2012 PTOE	Discipline PE Civil
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis and Reports. Alben will support the Traffic Engineering Analyses and support the Technical Support During Construction tasks.	

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/11-10/13	Orleans Parish, Broad St and General De Gaulle Dr TSP Systems Engineering Report, New Orleans, LA. Lead Engineer. Alben was the lead engineer for this project which included the preparation of a Systems Engineering Report (SER) outlining an implementation plan for a fully integrated Transit Signal Priority system for two bus routes in Orleans Parish (Broad Street and General De Gaulle Dr). The SER was prepared to meet requirements set by FHWA. The report included identification of existing systems, concept of operations, compatibility requirements, stakeholder responsibilities and protocol, and procurement options. An addendum to the SER was prepared which included an existing bus stop inventory, identification of bus stops to be relocated to the far side of the intersection, a Stage 0 Preliminary Scope and Budget Checklist, and a draft Request For Proposals. Alben worked closely with stakeholders and FHWA to ensure requirements were met and the system would operate as desired.
01/18-12/18	Jefferson Parish, Veterans Blvd TSP Systems Engineering Report, Jefferson, LA. Lead Engineer. Alben was the lead engineer for the preparation of a Systems Engineering Report outlining an implementation plan for a fully integrated TSP system for Jefferson Parish Transit (JeT) Route E1 along Veterans Boulevard. The report included identification of existing systems, concept of operations, compatibility requirements, stakeholder responsibilities and protocol, and procurement options. Alben worked closely with stakeholders and FHWA to ensure requirements were met and the system would operate as desired. .
08/21-06/22	MovEBR, Contract for Signal Rebuild Phase 2 Design Services Parish Synchronization & Communication, Baton Rouge, LA. Lead Traffic Engineer. Alben was responsible for overseeing the traffic study and signal design for five intersections in East Baton Rouge, LA. Services include all traffic investigations, data collection, analysis, and preparation of final signal construction contract plans. The traffic studies will be performed to determine recommended signal phasing, timing and coordination parameters. The signal design is expected to include the upgrade of each signal to mast arms and pedestrian accommodations.
05/21-08/21	Jefferson Parish, MSY Roundabout Evaluation, Jefferson Parish, LA. Lead Engineer. As the lead engineer, Alben was responsible for the analysis of various scenarios to estimate the design life of the existing roundabout located at the entrance/exit of the MSY airport in Jefferson Parish, LA. Analysis was performed for various growth rates using Synchro software. Additional analysis was also performed for two potential improvements to the roundabout to determine if they would extend the design life of the intersection. The results of the analyses were graphed and summarized in a letter by Alben. The information was provided to be included in a presentation for airport personnel for consideration.
08/20-07/21	Jefferson Parish, Manhattan Blvd Northbound Widening Signal Modifications, Jefferson Parish. Lead Engineer. Alben was the lead engineer for a signal modification project to accommodate an additional northbound lane on Manhattan Blvd from 9th St to Gretna Blvd. Modifications were required at two intersections, Target Blvd and Gretna Blvd. Additional modifications were required based on the relocation of utilities along the corridor. Alben performed QA/QC for each of the signal designs.


Firm Gresham Smith			
	Herbert "Bert" Moore, II, PE, PLS, PTOE (MPR 5)		Years of Relevant Experience with this Employer
	Principal/Project Manager (Gresham Smith)		Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization		BS/1999/Civil Engineering	
Active Registration Number / State / Expiration Date		31065/LA/9.30.24 PTOE 2728/09.30.24 PLS 5043/LA/09.30.24	
Year Registered		2004 (PE); 2009 (PTOE); 2010 (PLS)	Discipline Civil Engineering (PE)
Contract Role(s) / Brief Description of Responsibilities		<p>5. Traffic Engineering and Design - Analysis & Design. Bert will support the Traffic Engineering tasks. In his 25 years of experience as both a consultant and as LADOTD's District Traffic Operations Engineer for District 61, Bert has demonstrated his knowledge of LADOTD requirements and preferences, and proven ability at getting things done efficiently. Bert spent the majority of his 24-year career working with the traffic signal system and ITS equipment in the New Orleans area, having performed design, operations, CE&I and maintenance on these systems</p>	
Experience Dates	Experience and qualifications relevant to proposed contract		
1/19 – present	LADOTD, ITS CEI Retainer, Lake Charles Parish, CEI, Lake Charles, LA. Project Executive. Gresham Smith is providing Construction Engineering Inspection Services, including a daily/nightly site inspection and technical construction inspection, throughout the course of construction. Bert is responsible for oversight of the entire project.		
10/18 – present	LADOTD, LCG Adaptive Traffic Signal System, Lafayette Parish, Project Executive. Gresham Smith developed an Adaptive Traffic Signal System for the Lafayette Consolidated Government. The project involved upgrading over 200 traffic signal controllers. In addition, 78 traffic signals will be upgraded to become adaptive traffic signals. This will be both the largest adaptive traffic signal system installed within the state of Louisiana. This project includes field installation of adaptive traffic signals, design plans for 78 adaptive signals, implementation of a new EVP system, integration support to reduce travel time. Bert is responsible for overseeing the, design of traffic signals, integration and QA/QC.		
4/19 – 5/20	LADOTD, ITS CE&I IDIQ, Task Order for Fiber Optic Mapping & Management, Ascension, East Baton Rouge, West Baton Rouge, Livingston and Terrebonne Parishes, LA. Bert Gresham Smith was tasked with upgrading the Fiber Optic Mapping & Management system to various parishes. Bert was responsible for overall project coordination and management.		
8/14 – 11/18	LADOTD, ITS Design & Integration WO#4: I-10 Twin Span ITS-Orleans & Iberville Parishes, Statewide, LA. Project Executive. Gresham Smith developed design plans along with specifications and cost estimates for the eight-mile I-10 Twin Span ITS project. The project retrofitted ITS equipment along the corridor utilizing existing fiber, electrical cabinets, camera poles, a Dynamic Message Sign (DMS) structure, a communications hut and a bridge health system. Bert was responsible for the overall project management, QA/QC, traffic control plans, transportation management plan (TMP), constructability / biddability forms and cost estimates		
7/16 – 7/18	LADOTD, ITS Design & Integration WO#5: I-12 Ramp Meter Upgrades, East Baton Rouge and Livingston Parishes, LA. Project Executive. Gresham Smith was tasked with performing a feasibility assessment on the existing ramp meters along I-12. The assessment included reviewing the existing system components, determining status of functionality, performing best practices research, and developing recommendations and typical layouts. Bert's responsibilities included leading the field inspections, meeting with vendors and stakeholders, project management, QA/QC, and development of recommendations.		

6/16 – 9/17	LADOTD, ITS Design & Integration WO#3: ATMS.Now Design and Integration, Statewide, LA. Project Executive. Gresham Smith implemented a central traffic signal software system that would increase the Department's functionality with traffic signals, improve communications to field devices and allow the back-up of signal controller configurations at a central location. Bert's responsibilities included project management, QA/QC, workshop facilitation, functional requirement development, meeting with vendors and stakeholders, assisting and documenting the training performed by vendor and assisting with the system verification.
4/17 – 8/17	LADOTD, ITS Design & Implementation WO#8: Emergency Vehicle Preemption (EVP) Devices SEA, East Baton Rouge Parish, LA. Project Executive. The City of Baton Rouge incorporated the upgrade of their existing Emergency Vehicle Preemption (EVP) system within an existing safety project. The existing EVP system was outdated, utilized line of sight equipment and not installed on all intersections within the city's jurisdiction. Gresham Smith was selected to develop a SEA to upgrade EVP equipment throughout the parish. Bert's responsibilities included workshop facilitation, stakeholder coordination, and QA/QC.




Firm Gresham Smith		 Rebecca Murray, PE, PTOE, RSP₁ Traffic Engineer		Years of Relevant Experience with this Employer	9
				Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS/2015/Civil Engineering			
Active Registration Number / State / Expiration Date		PE 20936/LA/9.30.2024			
Year Registered		2019 PE / 2020 (PTOE) / 2021 (RSP1)	Discipline	PE Civil	
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis & Reports. As a traffic engineer, Rebeca will support traffic engineering analysis tasks..			
Experience Dates	Experience and qualifications relevant to the proposed contract.				
03/16 – 10/17	LADOTD Traffic Engineering Retainer Contract, TO #1, Farmerville State and Local Roads Study, Farmerville, LA. Pre- Professional. Rebecca's role was to review traffic and crash data, develop growth rates, perform existing and proposed traffic analysis, develop alternatives and prepare the project report.				
10/28 – present	LADOTD Traffic Engineering Retainer Contract, TO #6, LCG Adaptive Traffic Signal System, Lafayette, LA. Traffic Engineer. Rebecca is responsible for coordinating field data collection, travel time studies and developing design of traffic signals.				
05/17 – 03/19	LADOTD, Traffic Engineering Retainer Contract, TO #2, I-210 at LA 1138-2 (Nelson Road) Interchange Modification Re- Evaluation Study, Lake Charles, LA. Pre-Professional. Gresham Smith was selected to develop a calibrated VISSIM model to model existing conditions and the future proposed diverging diamond interchange at I-210 at Nelson Road in order to evaluate the proposed interchange design. Rebecca was responsible for overseeing data collection, participated on the RSA team, conducting safety analysis, development of VISSIM models, development of alternatives and development of the report.				
07/18 – 12/21	LADOTD, LA 37: Sullivan Road to Liberty Road Stage 0 Feasibility Study, Baton Rouge, LA. Engineer. Gresham Smith collected and reviewed over 580 crash reports over a span of three years from the state highway crash database and collected ADT data on 21 segments of LA 37 and intersecting streets, peak hour turning movement counts at 12 significant intersections and 15-minute counts along 38 driveways and insignificant side streets. Rebecca assisted with review of the count data, development of growth rates, crash data analysis, performed the existing and future traffic analysis, performed the safety effectiveness evaluation and developed the benefit-cost ratios for the alternatives.				
10/17 – 04/18	LADOTD Traffic Engineering Retainer Contract, TO #4, I-10 at US 90 Lockmoor Bridge Transportation Management Plan (TMP), H.013076.5-1, Lake Charles, LA. Pre-Professional. LADOTD oversaw the design of planned bridge maintenance of the US 90 bridge that operates as an on ramp to I-10 Eastbound. This bridge crosses over mainline I-10 for both the Eastbound and Westbound directions as well as the Westbound Off Ramp and Eastbound On Ramp to/from PPG drive. We were selected to develop the TMP to identify the challenges and strategies to address these challenges to minimize the traffic delays associated with lane closures, demand volumes and incidents within the construction limits. Rebecca assisted with the traffic and crash analysis and the TMP documentation.				

04/18 – 04/19	LADOTD Traffic Engineering Retainer Contract, TO #5, I-10 Transportation Management Plan (TMP) West of 108 to I-210 Interchange, H.009620.5, Calcasieu Parish, LA. Pre-Professional. LADOTD developed design plans for the Rubblization and overlay of I-10 from just west of the LA 108 interchange to the I-210 interchange. This project includes a full closure on I-10 diverting traffic to the ramps. This diversion required 2 cloverleaf ramps to be closed and temporary traffic signals to be installed at the ramps. Rebecca assisted with the traffic and crash analysis, and the development of the TMP documentation for this project and revision of the TMP that was performed the I-210 redecking project as well as traffic signal design plans for the traffic signals.
05/21 – present	MOVEBR, LA 30 (Nicholson Drive) Segment 2. Lead Traffic Engineer. Gresham Smith is performing a traffic study for capacity improvements along Nicholson Drive in Baton Rouge, LA. The project includes data collection, safety analysis, and existing and future analysis. Rebecca's responsibilities for the traffic study included review of traffic count data, development of volumes, modeling the existing and proposed roadway networks using HCS software, crash analysis, alternative analysis and drafting a report to summarize the findings. This project followed LADOTD's Traffic Engineering Process and Report guidelines.
03/21 – present	MovEBR, Bluebonnet Boulevard Sidewalks (North Mall Dr. to Bluebonnet Centre Blvd.) City-Parish Project No. 20-EN-HC-0029, East Baton Rouge, LA. Engineer. Gresham Smith was selected to perform a pedestrian operations study of the intersection of Bluebonnet Boulevard at Bluebonnet Centre/Blue Cross and to develop design plans to add pedestrian signals to the existing traffic signal in Baton Rouge, Louisiana. The goal of this project will be this project will bring this existing intersection up to current ADA requirements for pedestrians. Rebecca is leading the efforts for the traffic design report including traffic and pedestrian data collection, existing and future analysis using Synchro, existing safety analysis, and developing proposed pedestrian accommodations at signalized intersections using LADOTD and Baton Rouge City-Parish standards.
03/21 – present	MovEBR, Contract for Signal Rebuild Phase 1 Group 3 and Phase 2 Group 2 Design Services Parish Synchronization & Communication, Baton Rouge, LA. Lead Traffic Engineer. Gresham Smith shall perform engineering services for signal rebuilds in support for the Synchronization and Communication Signal Rebuild project. Services include all traffic investigations, data collection, analysis, and preparation of final signal construction contract plans. Rebecca led the efforts for the traffic design report including traffic and pedestrian data collection, existing and future analysis using Synchro, and developing proposed traffic signal timing plans using LADOTD and Baton Rouge City-Parish standards.
11/17 – 01/18	LADOTD, SRTS/LRSP Task Order 12: Constitution Drive Safety Study, West Monroe, LA. Pre-Professional. Rebecca's role was to review traffic and crash data, perform traffic analysis, develop alternatives and the project report as well as assist with the design of pedestrian improvements and traffic signal plans
05/17 – 01/19	LADOTD Traffic Engineering Retainer Contract, TO #3, US 171 MLK Boulevard Traffic Study, Lake Charles, LA. Pre- Professional. Gresham Smith was selected to develop a calibrated VISSIM model for existing conditions and the future no-build conditions along US 171 in Lake Charles, LA. Alternative improvements were recommended and modeled to determine the best solutions to improve the corridor. The project included data collection, development of growth rates, developing and calibrating an existing VISSIM model and evaluation and development of alternatives. Rebecca's role was to oversee data collection, develop a data collection report, perform the safety analysis, develop VISSIM models for 6 alternatives and calibrate the models, develop presentation material for the public meeting and development of the final report.
05/21 – present	MovEBR, Sherwood Forest Blvd MUP, C-P Project No. 20-EN-HC-0027, Baton Rouge, LA. Engineer. Gresham Smith was selected to perform a traffic study and design of the pedestrian signal accommodations and crosswalks along Sherwood Forest Boulevard between South Harrell's Ferry Road and Old Hammond Highway in support of the Sherwood Forest Boulevard Multi- Use Path design project. Design plans will be developed to add pedestrian signals to the existing traffic signals with the goal of upgrading existing intersections up to current ADA requirements for pedestrians.


	Firm	Vectura Consulting Services, LLC		
Gustavo Clavijo		Years of Relevant Experience with this Employer	1	
Supervisor		Years of Relevant Experience with Other Employer(s)	9	
Degree(s) / Years / Specialization		BS/2011/ Business Administration		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis and Reports (Data Collection). <i>Gustavo is a data collection manager.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
11/23 – 12/23	Traffic Impact Study for Waste Site, Lake Charles, LA. Gustavo scheduled and managed the traffic data collection efforts for two, 7-day classification counts and 14 turning movement counts. Gustavo assisted in the post processing of all tube and camera data and ensured that the data collection portion of the project was completed effectively and before the deadline.
11/23 – 12/23	Distribution Center Traffic Impact Study, Elmwood, LA. Gustavo scheduled and managed the traffic data collection efforts for two, 7-day classification counts and nine turning movement counts. Gustavo assisted in field observations as well as the post processing of all tube and camera data and ensured that the data collection portion of the project was completed effectively and before the deadline.
9/23 – 11/23	H.972462.1 US 190B / Fremaux Ave. Sidewalk Feasibility Study, Slidell, LA. Gustavo scheduled and managed the traffic data collection efforts for two 7-day classification counts, two, 7-day ped and bike counts, six turning movement counts, three turning movement counts with demand and three radar spot-speed survey. Gustavo assisted in the post processing of all tube and camera data and ensured that the data collection portion of the project was completed effectively and before the deadline.
12/22 – 12/22	I-10 Calcasieu River Bridge, Lake Charles, LA. While employed with another firm, Gustavo was the Project Coordinator working alongside WSP engineers to conduct the traffic data collection effort. Gustavo directly scheduled and managed the field collection efforts on two separate occasions for 54 7-day classification mainline and ramp counts. Gustavo ensured that all collection efforts were completed within budget and on schedule.
08/22 – 11/22	Ardenwood Dr Traffic Counts, Baton Rouge, LA. While employed with another firm, Gustavo was the Project Coordinator working alongside Neel-Schaffer engineers to conduct the traffic data collection effort. Gustavo directly scheduled and managed the field collection efforts for 7-day classification counts at four locations, 48-hr classification counts at 25 locations, and 24 driveway counts. Gustavo ensured that all collection efforts were completed within budget and on schedule.
11/21 – 12/21	US 190 Traffic Counts, Mandeville, LA. While employed with another firm, Gustavo was the Project Coordinator working alongside Neel-Schaffer engineers to conduct the traffic data collection effort for 29 48-hr classification counts; 20 6hr turning movement counts, 94 driveway counts and 2 radar spot-speed surveys. Gustavo ensured that all collection efforts were completed within budget and on schedule.


	Firm	Vectura Consulting Services, LLC		
Kristen Farrington, PE, PTOE, RSP₁		Years of Relevant Experience with this Employer	2	
Engineer		Years of Relevant Experience with Other Employer(s)	7	
Degree(s) / Years / Specialization		BS/2013/Civil Engineering		
Active Registration Number / State / Expiration Date		PE.0042074/LA/3.31.2025		
Year Registered		2018	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis and Reports (Traffic Safety) 13. Other Services (ITS) <i>Kristin is a Project Engineer for signal and ITS design / inspection and NEPA specialist.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
04/21 - present	CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project, Baton Rouge, LA. Kristen a project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 - 04/22	H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study, Baton Rouge, LA. Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 - 09/21	MOVEBR College Drive Enhancement Project, Baton Rouge, LA. Kristen assisted with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street, St. Landry Parish, LA. Kristen served as project manager for a Stage 0 study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road, Evangeline Parish, LA. Kristen served as project manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.

04/19 – 6/21	H.013817.1 LA 117 Improvements Stage 0, Vernon and Natchitoches Parishes, LA. Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.
03/19 – 11/19	H.012311 LA 429 Connector Stage 0, Ascension Parish, LA. Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	H.013322 LA 3040 Feasibility / Safety Study Stage 0, Houma, LA. Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, LA. Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621, Ascension Parish, LA. Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment. Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

		Firm Vectura Consulting Services, LLC	
Laurence Lucius Lambert, II, PE, PTOE, PTP Supervisor Engineer		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	18
Degree(s) / Years / Specialization	BS/1997/Civil Engr.; MS/2006/Civil Engr. (Transportation focus); MBA/2010		
Active Registration Number / State / Expiration Date	PE.0029901/LA/3.31.2026		
Year Registered	2002	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 5. 5. Traffic Engineering and Design Services - Analysis and Reports Laurence provides Data Collection, Warm Area Analysis, Traffic Modeling, Intersection & Network Analysis, Stage 0 and Peer Review		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/19 – present	MOVEBR New Capacity Project Management, Baton Rouge, LA. At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from a level demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, delays and vehicles hours of delay. Laurence also provided peer review for the traffic study on Hur Road and Lee Drive.		
06/23 - present	H.012845.1 Connected & Autonomous Vehicle (CAV) Team and Workgroup Support. Laurence is a member of the team to develop new policies and legislation related to C/AV.		
04/18 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger & I-10 Corridor. Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Louisiana Markings Details Sheet PM-09 and the MUTCD details on roundabouts.		
04/18 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish. Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Louisiana Markings Details Sheet PM-09 and the Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.		
02/20 – 09/21	College Drive Corridor Enhancement from I-10 to I-10, Baton Rouge, LA. Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from DOTD was needed. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of traffic signal inventories, and bicycle / pedestrian / transit observations.		
01/23 – 02/24	H.011504 Alexandria ITS Phase 1. Laurence was the project manager for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Costs, and Level 2 Transportation Management Plan for the Alexandria area.		
10/21—03/22	H.013256.5 I-10 ITS Scott to Lake Charles, LA. Lead Traffic Engineer. Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.		
09/18 – 02/19	H.013261.1 I-110 ITS Deployment Systems Engineering Analysis. Project Manager. As a sub-consultant, Laurence was the task leader for the Constraints & Alternatives Analysis as well as the Projects & Procurement Strategy portion of the project. The goal of the project was to deploy Close Circuit Television (CCTV) cameras and one Dynamic Message Sign (DMS) along the I-110 corridor from US 190 to US 61. To communicate with the field devices from the Traffic Management Centers (TMCs), installing fiber optics along the I-110 corridor was recommended. The fiber optics also allow communication to the traffic signals at the interchange ramps along I-110 to the TMC.		


06/12-12/12	Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, LA. Project Manager. Laurence conducted a feasibility study to deploy ramp meters along the Interstate 10 (I-10) Corridor in Baton Rouge between Dalrymple Drive and LA 73. The study consisted of analyzing 17 on-ramps under differing design conditions, which include the following: 2010 Existing, 2012 Without Ramp Meter, 2012 Ramp Meter, and 2012 Ramp Meter with Recommendations. Laurence's role in this project as project manager was to oversee all QA / QC measures and interpret the results from the model. Laurence coordinated with the local agencies to obtain all current proposed projects in the area, which included DOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.
09/16 - 04/17	H.004957.5 I-12 To Bush - LA 3241 (I-12 – LA 36) Corridor Study, St. Tammany Parish, LA. Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to traffic management. Laurence, along with Brin, collected 7-day, 24-hour count classification on mainlines, turning movement counts during morning and evening peak periods and speed data for mainlines. Laurence also developed a VISSIM traffic simulation model for the preferred alternative.
07/16 - 01/17	FHWA Intersection & Interchange Traffic: Innovative Design Considerations for Users, Norfolk, VA. At the request of the FHWA division office for Virginia, Laurence was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, conversions to an interchange and the implementation of a DLT. Vectura specifically reviewed and commented on the intersection geometry, pavement markings and signage. The findings were summarized in a technical memorandum and a "red line" comment sheet scanned and submitted to the FHWA Virginia Division office for their use.
04/04 - 09/06	Stage 0 I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA. Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.
03/10 - 11/11	S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 / I-220 Connector, Lakeview, LA. This 3.5-mile route will connect existing I-49 / I-20 interchange to the proposed I-49 / I-220 interchange. After completion of Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic study effort included 20 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments at the studied interchanges and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
01/07 – 08/07	I-12 Ramp Metering Study, Baton Rouge, LA. Project Manager. Under the ITS retrofit contract, Laurence provided analysis and evaluations of potential ramp metering solutions along this corridor. The scope also included analysis of existing traffic conditions, evaluation of proposed solutions and creation of micro-simulation models of existing and proposed conditions. An existing micro-simulation model was obtained from DOTD to analyze and visually represent the existing traffic conditions. The existing conditions model was calibrated and used as a base to develop models of ramp metering. Laurence presented the findings to DOTD, including an overview map of the interchange area, a schematic of existing volumes, a Micro-simulation of the existing conditions, a summary table of LOS for existing conditions, micro-simulations of proposed solutions, and a summary table of LOS for each solution. Laurence also submitted a formal report of the findings.
04/04 - 09/06	Stage 0 I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA. Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge / diverge segments and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

		Firm	Vectura Consulting Services, LLC	
Reece Rodrigue, PE, PTOE, RSP₁ Engineer		Years of Relevant Experience with this Employer	4	
		Years of Relevant Experience with Other Employer(s)	7	
Degree(s) / Years / Specialization		B.S. / 2013 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE.0042074 / LA / 3/31/2026		
Year Registered		2017	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis and Reports (Traffic Safety); 5. Traffic Engineering and Design (Signal Design); 13. Other Services (ITS). <i>Reece is a project engineer for signal and ITS design/inspection.</i>		


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

4. Environmental and Permitting Services


(See Section 14)

		Firm AECOM Technical Services, Inc.	
Derek Chisholm, AICP, ENV SP, LEED GA (MPR 4) Associate Vice President, Transportation Planning		Years of Relevant Experience with this Employer	10
		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.147159/12.31.2024 Additional active license: Leadership in Energy and Environmental Design, Green Associate/#10148303; Envision Sustainable Professional; FHWA-NHI-142005 NEPA and Transportation Decision-Making		
Year Registered	NA	Discipline	American Institute of Certified Planners
Contract Role(s) / Brief Description of Responsibilities	MPR 4. 4. Environmental and Permitting Services; 9. Roadway Design and Hydraulic Engineering Services; Other Services (Bike/Ped/Complete Streets). <i>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 AECOM.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract		
10/16 – present	LADOTD, SPN H.0049 Lafayette Connector, Lafayette, LA. Environmental, Public Involvement. The team is completing the Functional Plan for the Lafayette Connector, which is structured around a context-sensitive solutions (CSS) approach. Derek originally served as the bridge between the project and stakeholder involvement, leading the CSS process and the environmental team. He set up the comment management system, co-lead the NEPA Task, and managed 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. <i>2022 TransComm Award. DOTD received an Interactive Award for the I-49 Lafayette Connector Virtual Reality Room.</i>		
11/17 – 04/20	LADOTD, SPN H.001779.2, Jimmie Davis Interchange Supplemental EA, Bossier and Caddo Parishes, LA. Senior Advisor. Derek provided quality control review and assisted with comments 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, Intermodal Development, Portland, OR. Consultant Environmental Team Manager. This project included a major bridge over a new waterway and 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 managing tribal remains, de-minimis negotiations for park impacts, navigation and aviation vertical clearance, Biological Opinion and take construction phasing, marine mammal protection, and more. <i>National Environmental Excellence Award for Climate Change Evaluation and Fish Hydro-acoustics Impacts Study</i>		
8/22 – present	LADOTD, SPN 001 Reserve to I-10 Connector. Technical Advisor. This project seeks to complete the EA and Interchange Justification Report for the planned connection between the Port of 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, National Study. Project Manager. Derek managed this national study of the manner in which AVs are being incorporated 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.		

03/14 – 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. <i>(H number was not available during project duration)</i>
03/07 – 11/10	ODOT Highway 99 Bypass NEPA, IJR, 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. <i>Numerous awards including Best Available or Innovative Technology Award, Windsor, Detroit Bridge Authority, Bridging North America, and AECOM Best of Breed Gordie Howe International Bridge, Post-NEPA Environmental Management and Compliance Program</i>
11/07 – 03/10	WSDOT Alaska Viaduct Seattle Waterfront Promenade and Park 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 data collection program to determine potential high and disproportionate impacts related to tolling of the viaduct. Following on his NEPA work on the Alaska Way Viaduct from the Seattle waterfront, Derek assisted with the completion of a waterfront promenade. The promenade was the subject of its own NEPA process.
10/18 – present	ADOT I-11 Corridor Alternative Selection Report and Environmental Impact Statement (EIS), AZ. Environmental Justice Senior Advisor. This study involved conducting alternative analysis and preparing a Tier 1 EIS to assess a new 280-mile high-capacity, access-controlled transportation corridor. AECOM provided guidance and quality control.
05/10 – 08/13	ODOT Clackamas River-Springwater 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 displacement of many businesses, a low-income manufactured home park, and historic resources.
07/08 – 09/10	Portland-Milwaukie Light Rail Project and River Transit Bridge, Portland OR. Environmental. Derek supported the built environment analysis, assisted with the design elements related to complete streets and the approaches, and worked on a shared environmental justice report and mitigation plan that were caused by a combination of this and other projects requiring the construction of a new facility for light rail vehicles. <i>Outstanding Achievement Award, 2016 (ACEC), Best Highway/Bridge Project Award, 2016. Engineering News-Record Northwest. Project of the Year, 2016. American Segmental Bridge Institute (ASBI)</i>
07/10 – 04/13	WSDOT Mukilteo Marine 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. <i>Outstanding Achievement Award. Excellence in Environmental Document Preparation, EIS Category, FY 2016</i>
10/05 – 04/07	ODOT Bridge 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.	
Tom Hunter (MPR 4) Planning Group Manager		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	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	MPR 4. 4. Environmental and Permitting Services. 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 planning, 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, conducting regional travel demand modeling and travel demand forecasting. Tom also has extensive experience in leading community and stakeholder involvement programs, preparing and evaluating alternatives, and building consensus on projects. He has applied these skills on various corridor and NEPA studies, including new or modified interstate access requests throughout the state and within the region.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
03/04 – 07/05	Capitol Region Planning Commission, Baton Rouge, Louisiana, Northern 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 alternatives development and evaluation, coordinated regional travel demand modeling services and traffic and revenue forecasting for road alternatives, and was instrumental in implementation plan development. He also maintained a leadership role in the stakeholder involvement component.		
05/07 – 12/15	LADOTD, SPN H.005201 (H.005201) 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, stakeholder participation in alternatives development, providing environmental evaluations, evaluation of alternatives, and NEPA scoping and coordinating travel demand modeling, a Level 1 Toll Study, and stakeholder and public engagement.		
10/01 – 05/07	LADOTD, SPN 700-2007 East-West Corridor Highway Improvement Environmental Impact Statement, St. Charles, Jefferson & Orleans Parishes, Louisiana. Deputy Project Manager. Tom assisted in leading this EIS to upgrade US 61 (Airline Drive) from I-310 to David Drive and the extension of the existing Earhart Expressway, including a dedicated roadway section. He led the alternatives development and evaluation, stakeholder and public and stakeholder involvement programs, and site/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 presentation of the new alternative development from the public hearing. The EA and FONSI were completed in 2013.
07/15 – 11/15	LADOTD, SPN 700-51-0110, Supplemental Environmental Assessment for US 90 at LA 318, St. Mary Parish, LA. Project Manager. Tom completed the Supplemental EA as part of the design-build project. He included review and revision of the previous EA. He obtained a FONSI on a very aggressive schedule set by the DB contractor and DOTD (4 months).
05/09 – 11/11	AHDT, Don Tyson Parkway Interchange Justification Report, Springdale, AR. Senior Project Manager. Tom managed the development of reports based on AHDT's Procedures for Revised Freeway Access to assist in the justification and design of the proposed interchange. He was responsible for overseeing project deliverables, and stakeholder coordination and public involvement.
08/22 – present	LADOTD, SPN H. 004891.5, Red River Bridge at Jimmie Davis Highway (LA 511) Supplemental EA, Bossier and Caddo Parishes, LA. Transportation Planner. This project seeks to complete the EA and Interchange Justification Report for the proposed connection between the Port of South Louisiana GlobalPlex facility, and other lands, directly to I-10 in Ascension Parish. Tom 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 Lake Charles area. The study evaluated existing transportation deficiencies and provided recommendations for improvement. Tom led the alternatives analysis process and the community and stakeholder involvement program. He was also responsible for 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 Roadway Improvements, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA. Project Director. This project involves a design traffic study, and preliminary design for the completion of roadway improvement on College Drive and its vicinity between Poydras Street and Bawell Street inclusive of an 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 grants. Tom worked with the City of Baton Rouge to expand funding for the project beyond the allocation of the parish's bond funds. Tom completed the Stage 0 checklist and provided a QC review of the safety analysis, which used the Predictive Method from the <i>Highway Safety Manual</i> .
02/14 – 11/14	Stage 0 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.	
Lou Costa Environmental Planning Manager		Years of Relevant Experience with this Employer	24
		Years of Relevant Experience with Other Employer(s)	31
Degree(s) / Years / Specialization	BA/1964/Political Science and History; MCP/1970/City Planning and Urban Design NHI Course 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making" Introduction to Federal Projects and Historic Preservation offered through the General Services Administration		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Lou will assess built environment impacts using skills developed over 50 years in the environmental analysis of highway and transit facilities as well as the management of other transportation, and historic preservation projects.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/15 – present	LADOTD (SP No. H.004273.5), I-49 Lafayette Connector Supplemental EIS. <i>Task Lead.</i> Responsible for 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 work has included the Inventory Update, the Wetlands Report, and the Draft SEIS currently under review by DOTD and the regulatory agencies.
02/03 – 01/08	LADOTD (SP No. 700-92-0011), I-49 South - Raceland to Westbank Expressway EIS, Lafourche, St. Charles, and Jefferson Parishes, LA. <i>Project Manager.</i> EIS for 38 miles of interstate highway in the US 90 corridor. 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 (SP No. 799-99-0230), I-49 South Lafayette Regional Airport to LA 88 EIS, Iberia, Lafayette, and St. Martin Parishes, LA. <i>Deputy Project Manager.</i> 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 (SP No. 700-99-0230), I-49 South - Wax Lake Outlet to Berwick EIS, St. Mary Parish, LA. <i>Project Manager.</i> 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. <i>Member of the EIS team for the preparation of this document.</i> Primary areas of his responsibility were the construction impacts, visual assessment, indirect and cumulative sections, and the responses to comments. The project received the 2015 FTA Outstanding Achievement Award for Excellence in Environmental Document Preparation in the EIS category. A ROD was issued by FTA in 2014.


07/08 – 08/12	Metropolitan Atlanta Rapid Transit Authority, Atlanta BeltLine Tier 1 EIS, Atlanta, GA. <i>Member of the EIS team.</i> 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. Mr. Costa 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.
04/96 – 07/97	Regional Transit Authority, Canal Streetcar EIS, New Orleans, LA. <i>Agency Project Manager.</i> Reintroduction of 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.
05/13 – 07/15	LADOTD (SP No. H.001779.5), Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA. <i>Project Manager.</i> 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. A FONSI was issued by FHWA in 2015.
06/01 – 07/03	LADOTD (SP No. 700-26-0254), Harvey Boulevard – Wall Boulevard to Engineers Road EA, Jefferson and Plaquemines Parishes, LA. <i>Project Manager.</i> EA for extending a suburban residential roadway on both an existing ROW 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 AECOM Technical Services, Inc.			
	Shelley Hartsfield, MA Principal Investigator	Years of Relevant Experience with this Employer	17
		Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	MA/2012/Anthropology; BS/2001/Anthropology		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Shelley a Principal Investigator for archaeology and Certified Project Manager for AECOM's Environmental Business Line, with over 18 years' experience in Cultural Resource Management, conducting all phases of archaeological projects in the field, laboratory, and office. During her career, she has conducted archaeological investigations for hundreds of miles of linear infrastructure and thousands of acres for renewable energy projects, which include transmission lines, pipelines, rail lines, roadways, solar farms, and wind farms, as well as processed tens of thousands of artifacts for curatorial facilities in Texas, Oklahoma, Louisiana, and Kansas.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
9/20 – 01/21	College Drive Perkins Road to I-10, City-Parish Project No. 19-EN-HC-0033, Baton Rouge, East Baton Rouge Parish, LA. <i>Principal Investigator.</i> Shelley conducted the background study and coordination with the Louisiana State Historic Preservation Office regarding archaeological and historic resources for the undertaking.		
06/20 – 08/20	Phase I Cultural Resources Investigation of the Proposed Jones Creek Road Extension, Jefferson Highway to Airline Highway, City Parish Project N. 12-CS-HC_0060, City of Baton Rouge, East Baton Rouge Parish, LA. <i>Principal Investigator.</i> Shelley oversaw the archaeological field efforts and is the primary author of the Phase I investigation report.		
06/13 – 08/23	Phase I Cultural Resources Investigations of the Proposed Jones Creek Road Extension, Tiger Bend Road to Airline Highway, City Parish Project No. 12-CS-HC_0060, City of Baton Rouge, East Baton Rouge Parish, LA. <i>Principal Investigator.</i> Shelley oversaw the archaeological field efforts and is the primary author of the Phase I investigation report.		
11/20 – 02/21	Phase I Cultural Resources Survey Report for the Port of South Louisiana Globalplex Multi-Modal Connections Project, Reserve, St. John the Baptist Parish, LA. <i>Principal Investigator.</i> Shelley oversaw the archaeological field efforts and is the secondary author of the Phase I investigation report.		
06/20 – 07/20	Phase I Cultural Resources Investigation of the East Gate Relocation Project, Barksdale Air Force Base, Bossier Parish, LA. <i>Principal Investigator.</i> Shelley oversaw the archaeological field effort, was the author of the Phase I investigation report, aided in the contribution for cultural resources to the Environmental Assessment, and conducted the preparation and submission of all records produced from the investigation, submitted to the curatorial facility at Barksdale Air Force Base.		
10/15 – 07/20	Dallas to Houston High Speed Rail Archaeological Resources Survey, Federal Railroad Administration, Dallas, Ellis, Navarro, Freestone, Limestone, Leon, Madison, Grimes, Waller, and Harris Counties, TX. <i>Project Archaeologist.</i> Shelley coordinated the archaeological field effort, aided in the production of the Environmental Impact Statement contribution for cultural resources, produced the Programmatic Agreement for the project, and has coordinated with the lead federal agency and the Texas Historical Commission in support of compliance with Section 106 of the National Historic Preservation Act (NHPA), the Antiquities Code of Texas, and NEPA, as well as lead author and technical reviewer of the archaeological reports produced for this project.		


		Firm AECOM Technical Services, Inc.	
Gary Hawkins Archaeology Technician		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization		BA/2003/Anthropology	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. Gary is a field archaeologist with 18 years of experience in cultural remediation and archaeological survey. His survey experience includes shovel and pedestrian survey in Louisiana, Mississippi, Arkansas, Texas, Alabama, Georgia, Tennessee, Oklahoma, Illinois, Michigan, and Kentucky. He is a field lead on various projects, directing crews as a team leader throughout the US.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
05/15 – 05/16	Berwick Interchange Environmental Assessment, LADOTD, St. Mary Parish, LA. Field Archaeologist. Cultural resources survey of a 112- parcel for the proposed US 90 / LA 318 at grade intersection.		
01/16 – 03/16	LA 1042 Bridge Expansion, LADOTD, Helena Parish, LA. Field Archaeologist. Phase I cultural resource survey and inventory surrounding HWY LA 1042 east of Greensburg, LA.		
02/15 – 02/15	LA 3 Turn Lane Construction, LADOTD, Bossier Parish, LA. Field Archaeologist. Phase I cultural resource survey and inventory surrounding HWY LA 3 north of Shreveport, LA.		
10/15 – 01/16	Pigeon Creek Bridge Expansion, LADOTD, Helena Parish, LA. Field Archaeologist and Technical Reporting. Site included several test units on a small prehistoric site. Report work included prehistoric ceramic analysis.		
05/17 – 06/17	Tendal Road Cultural Resource Survey, LADOTD, Madison Parish, LA. Field Archaeologist, Technical Writing, and Analysis. Survey conducted for the LDOTD at the 16MA19 (Tendal Mound) site in Madison Parish, LA west of Tallulah.		
08/17 – 10/17	Coteau Road Phase I Cultural Resource Survey, LADOTD, Iberia Parish, LA. Field Archaeologist. Phase I assessment of a proposed expansion to LA 88 (Coteau Rd.) in Iberia Parish, LA. Included excavation and architectural assessment of potentially impacted homes.		
08/08 – 01/19	Baton Rouge Loop Tier 1 Environmental Impact Statement, Capital Area Expressway Authority and LADOTD, Ascension, East Baton Rouge, Iberville, Livingston, and West Baton Rouge Parishes LA. Technical Writer. Cultural resources reporting for a Tier 1 EIS for the proposed Baton Rouge Loop toll road project.		
09/13 – 04/14	Perkins Road (LA427) Segment #1, From Siegen lane to Highland Road, Stantec Consulting Services, Inc., Baton Rouge, East Baton Rouge Parish, LA. Field Archaeologist. Phase I cultural resources survey of a 3.14-mile long corridor improvement project.		
08/15 – 09/15	GDOT, Hereford Farm Road Extension, Colombia County, GA. Field Archaeologist. Survey of a 6.5-mile section of Hereford, Road near the City of Evans, GA.		


Firm AECOM Technical Services, Inc.	
 Zoe Knesl Environmental Staff Professional	Years of Relevant Experience with this Employer 16
	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	NA Discipline NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Zoe has 31 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</i>
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 ROW 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	US Army Corps of Engineers (USACE), Phase I Environmental Site Assessments. Environmental Scientist. <ul style="list-style-type: none"> - 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	US Department of Veterans Affairs (VA), Dixie Brewery Phase II Investigation, New Orleans, LA. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> Zoe participated in the Phase I ESA of a LNG power plant, including site visit, draft report, and historical and governmental research.
02/16 – 08/19	SCT&E LNG Inc., Cameron, LA. <i>Environmental Scientist.</i> Zoe completed a Phase I site assessment of an undeveloped island.
07/16 – 07/16	Harris Corporation, Lafayette, LA. <i>Environmental Scientist.</i> Zoe performed a Phase I ESA for an office/warehouse property.
09/17 – 09/17	Pilgrim Energy Partners. <i>Environmental Scientist.</i> 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). <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> Zoe completed eight Phase I ESAs for properties in Louisiana and Texas.
09/18 – 09/18	Port of New Orleans, LA. <i>Environmental Scientist.</i> Zoe performed environmental site research and review for properties on the Industrial Canal.
10/18 – 05/22	Dallas Water Utilities, City of Dallas, TX. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> Zoe completed a Phase III Report, Response Action Plan, and a Response Action Completion Report.
05/19 – 08/19	City of San Antonio, TX. <i>Environmental Scientist.</i> Zoe completed a Phase I ESA for a 12-block corridor on Broadway Street.
04/19 – 06/19	City of Austin, TX. <i>Environmental Scientist.</i> Zoe completed two Phase I ESA Reports for properties in Austin.
06/19 – 08/19	Cargill, Phase I ESA. <i>Environmental Scientist.</i> 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. <i>Environmental Scientist.</i> Zoe conducted and authored a Phase I ESA of a 1,300-acre farm parcel in northern Louisiana.


		Firm AECOM Technical Services, Inc.	
Jonathan Martinez Environmental Planner		Years of Relevant Experience with this Employer	22
		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		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. Jonathan has 22 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 S. Carrollton Avenue to S. 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. <i>Environmental Planner.</i> 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. <i>Environmental Planner.</i> 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 (SP Nos H.005201 and H.008732), Baton Rouge Loop, Implementation Plan and Tier 1 EIS Alternatives Evaluation and Travel Demand Modeling, Baton Rouge, LA. <i>Environmental Planner.</i> 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. <i>Environmental Planner.</i> 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.
06/08 – 06/10	Regional Planning Commission, LA 637, West 10th Street, Globalplex Internal Access Roadway EA Reserve, LA. <i>Environmental Planner.</i> 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 ROW 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. <i>Environmental Planner.</i> 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 AECOM Technical Services, Inc.			
	Tanner McDaniel Geologist	Years of Relevant Experience with this Employer	4
		Years of Relevant Experience with Other Employer(s)	5
Degree(s) / Years / Specialization	BS/2014/Geology		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	<p>4. Environmental and Permitting Services. <i>Tanner has worked in the field of environmental consulting for industrial and federal government clients. He has conducted and supervised numerous subsurface investigation and remediation projects dealing primarily with chlorinated volatile organic compound contamination. He is experienced with risk-based corrective action programs for soil and groundwater including application of the LDEQ RECAP, development of site-specific remediation goals and is familiar with associated federal and state regulations. He has prepared numerous documents including Health and Safety Plans, Safe Work Plans, proposals, geologic cross sections, Potentiometric maps, monitor well completion construction diagrams, and reports.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/19 – present	<p>Marine Docks and North Clooney Loop Area, Westlake, Louisiana, Phillips 66 Company. Geologist & Supervisor. Conducted subsurface delineation of an EDC plume using CPT and DPT technology and sampling techniques. Responsible for conducting Semi-Annual groundwater monitoring, Quarterly North Clooney Loop & Interim Measures and Quarterly River Sampling.</p>		
05/20 – 05/20	<p>Geotechnical Drilling, Pennington, Alabama, Georgia-Pacific Consumer Products LP. Geologist & Supervisor. Subsurface investigations using geotechnical technologies with split barrel, Shelby tube, and Vibrocore sampling methods. Completed nine borings at a depth of 60 ft. each. Temporary standpipe piezometers were installed and developed at four locations to assist in determining the groundwater elevation at the site.</p>		
10/19 – present	<p>Groundwater/Soil Sampling Activities, Mississippi and Louisiana Sites, Kinder Morgan Plantation Pipeline. Geologist & Supervisor. Complete the assessment, installation of wells, and sampling of soil and groundwater as applicable at various Plantation Pipeline locations throughout Louisiana/Mississippi.</p>		
08/19 – present	<p>Groundwater Monitoring and Sampling, Collins, Mississippi, Shell Bulk Terminal. Geologist & Supervisor. On-going periodic site visits to gauge each of the monitoring wells and collect groundwater samples for laboratory analysis.</p>		
02/20 – present	<p>Phillips 66 Company, Phase V Well Installation/Stratum II Groundwater sampling, Nederland, TX. Geologist & Supervisor. On-going subsurface investigations utilizing Sonic Rig drilling methods. Responsibilities include monitoring well installation, and collection of air, groundwater, and soil samples.</p>		
10/19 – present	<p>BASF-LA, Zachary & Geismar, LA. Geologist & Supervisor. Responsibilities included monitor well installation, groundwater and soil sample collection. Evaluated hydrogeology by preparing cross-sections, isopach maps, potentiometric surface maps, and structural contour maps.</p>		
04/20 – 04/20	<p>W.R. Grace, Grace E. Lagoon/Sq. Pit Sampling, Sulphur, LA. Geologist & Supervisor. Collect and analyze sludge cores using Marsh Master geoprobe to determine sludge thickness</p>		
03/21 – 03/21	<p>Stennis Space Center, Hancock County, MS. Geologist & Supervisor. Conduct groundwater monitoring for laboratory analysis using the thief method for VOC VOA collection.</p>		


		Firm AECOM Technical Services, Inc.	
Mark Phillips Geologist		Years of Relevant Experience with this Employer	17
		Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization		BS/2001/Geologist	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>Mark has experience with subsurface investigations for industrial sites, conducting Phase I and II Environmental Site Assessments, and preparing work plans and scopes of work according to the LDEQ Risk Evaluation/Corrective Action Program (RECAP).</i>	


Experience Dates	Experience and qualifications relevant to the proposed contract.
03/22 – present	Former Cooper Tire Plant, El Dorado, Arkansas, Goodyear. Geologist and Site Supervisor. Conducted subsurface delineation of chemical contaminants in soil and groundwater using Sonic Drilling Technology. Successfully conducted numerous quarters of groundwater sampling using low flow techniques. Competent in microbial sampling techniques. Responsible for health and safety oversight of drilling subcontractors.
10/22 – 07/23	Red Hill Bulk Fuel Storage Area, Honolulu, Hawaii, US Navy. Site Safety and Health Officer (SSHO). Responsible for implementing safety oversight during drilling activities during monitoring well installation. Ensured SWPPP procedures were met while drilling activities were being conducted. Responsible for organizing and documenting waste at the monitoring well location.
09/17 – present	Camp Minden, Minden, Louisiana, Army National Guard. Geologist and SSHO. Conducted biennial groundwater sampling, installation of monitoring wells, plugging and abandonment of monitoring wells, and implementation of a remedial pilot study for groundwater contamination. Technical and safety oversight of plugging and abandonment of deep municipal water wells.
07/21 – present	Former Reese Air Force Base, Lubbock, Texas, US Air Force. Lead Geologist and Field Manager. Responsible for technical and safety oversight of monitoring well installation for the purpose of characterization of PFAS and PFOA groundwater plume. Coordination of numerous drilling teams and multiple drilling rigs for monitoring well installation. Characterization and documentation of investigative derived waste at the site. Responsible for coordination of schedules of drilling subcontractors and utility location subcontractors.
06/22 – 03/24	Alpena CRTC, Alpena, Michigan, US Air Force National Guard. Lead Geologist. Responsible for providing technical oversight of monitoring well installation. Collaborating with other geologist and hydrogeologist to ensure proper installation of site monitoring wells for delineation of PFAS and PFOA groundwater contamination plume.


		Firm AECOM Technical Services, Inc.	
William Rhymes, MBA, PMP Construction Manager		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	13
Degree(s) / Years / Specialization		MBA/2019/Business Administration; BS/2009/Construction Management; BS/2007/Management	
Active Registration Number / State / Expiration Date		No. 1795917/Project Management Professional (PMP)	
Year Registered		2015	Discipline Project Management Professional
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>William is an experienced project management professional with a demonstrated history of working in municipal construction and environmental remediation. He is experienced in quality control management, value engineering, constructability, contract administration, change management, environmental remediation (via dredging and dewatering sediment via geotextile tubes), utility construction and coordination, municipal construction (including sewage conveyance–force main and gravity installation and rehabilitation methods, pump stations, and wastewater treatment plants), heavy civil construction (including road repairs and mill/ overlay), and SWPPP BMP setup and maintenance.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
02/22 – present	EPA/USACE Superfund project. Quality Control Management. This \$70 million project consists of overseeing the procedures and systems necessary to adhere to AECOM's quality control standards and processes to ensure work conforms to the project's contract documents and USACE requirements.		
03/22 – present	BASF Projects Portfolio ,Geismar and Zachary, LA. Project Manager. William served as project manager and managed between 10-15 projects which include environmental site investigations, geotechnical investigations via boring, remediation via dig and haul and pump and treat methodology, soil and groundwater sampling, analytical testing, developing Conceptual Site Models and remedial alternatives analyses.		
08/22 – present	USACE (Omaha District), Badger Army Ammunition Plant, Grubers Grove Bay, WI. Project Manager. Desktop Supplemental Remedial Investigation Feasibility Study among several other optional tasks. Assess mercury nature and extent in sediment in the bay and assess uncertainty in presently available data. Assisted with writing proposal, Project Management Plan, and Quality Assurance Surveillance Plan.		
05/22 – 12/22	University of Texas McDonald Observatory, Water Improvement Project Fort Davis, TX. Project Manager. Construction manager for the water line improvements and also SWPPP BMP installation and maintenance.		
01/23 – present	WR Grace, Pond Closure, Sulphur, LA. Construction Manager. Approximately 100,000 CY of sludge to be stabilized/ solidified and moved to on-site landfill with artificial closure turf.		
05/23 – present	Little Scioto River Superfund Remedial Action Project, Marion, OH. Deputy Project Manager & Construction Quality Control System Manager. Project entails 57k GPM river bypass pumping with 1.5 miles of discharge pipe in a heavily forested riparian area. Other project details include removal of sediment in river bottom via excavation, backfill with clean material, and replanting of vegetation in river and wetlands.		
05/16 – 03/17	110 - Hollywood Street Sewer Rehabilitation Project, Phase B. Project Manager. Grout abandonment of thousands of feet of pipelines and dozens of manholes. 145,880' of pipeline inspected and repaired and 579 manholes repaired or replaced.		
05/16 – 07/20	Annual Parishwide Wastewater Collection System Emergency Repairs. Project Manager. Submitted and received change order in excess of \$5 million for the work involving bypassing and repairing the influent gravity line feeding the South Wastewater Treatment Plant.		

Firm		AECOM Technical Services, Inc.		
	Abby Tomlinson Communication Senior Manager		Years of Relevant Experience with this Employer	6
			Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization		MA/2011/Mass Communication; BS/2009/Public Involvement		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>Abby has experience in execution and management of all aspects of public involvement, including high-level stakeholder coordination, management of the NEPA public involvement process, coordination and development of multi-platform communications campaigns and grassroots stakeholder engagement. Her multimodal project portfolio includes highway/ bridge, transit, aviation, emerging technologies, and seaports.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
01/20 – present	TxDOT, Transportation Planning and Programming Extension of Staff, Statewide, TX. Outreach Oversight Lead. Abby is currently supporting TxDOT's statewide outreach oversight team, located within the TPP organization. Support long-term initiatives including the development of statewide engagement toolkits targeted at typically underserved populations; assisting in the outreach related to Unified Transportation Plan updates, including managing and reporting out on comments received from the public; development of a suite of materials related to online engagement, including tear sheets and presentations on each of three major platforms (MetroQuest, Bang the Table and Social Pinpoint); development of content sites on each platform at the request of District project teams. Developed a memo for the Commission's consideration that evaluates various open comment options and makes recommendations for updates to Commission policies. Upon approval of policy changes, began to lead the implementation team to develop materials and processes related to these policy updates.			
07/21 – present	City of Austin, Transit Enhancements Project, Austin, TX. Task Lead. City of Austin strategy and boots-on-the-ground, pop-up style engagement to share information about potential transit-supportive investments outside of the Project Connect System. Engagements focus on better understanding current transit users experiences and connecting those experiences with potential transit service improvements. In-community engagement strategies netted hundreds of completed surveys from current system users that generally matched the demographic breakdown of CapMetro's rider profile, meeting multiple outreach goals set by the project team.			
10/22 – present	Invenergy, Grain Belt Express EIS, KS and MO. Lead Public Involvement. This project is a 530-mile transmission line project across two midwestern states. Led the development of all content, including a property owner mailing to a 3,000-person list developed by the AECOM team, a website, and all materials and logistics for two virtual engagement sessions and four public meetings across the two states. Materials included a presentation, a set of exhibits, a fact sheet, and logistics included coordination of two teams from three different entities across the two states for a week of activities.			
09/22 – present	TxDOT, Gulf Freeway (I-45S) Planning and Environmental Linkages Study and I-45N Planning and Environmental Linkages Study, Houston, TX. Public Involvement. Lead materials development and logistical planning for stakeholder and public outreach efforts for this PEL study. In addition to stakeholder meetings with agency partners and elected officials, this project includes both virtual and in-person outreach to the general public. Outreach includes traditional open houses, as well as virtual engagement strategies including virtual presentations, social media outreach, and virtual surveys through MetroQuest.			


05/22 – 12/22	<p>Arizona Department of Transportation, ADOT Electric Vehicle Infrastructure Deployment Plan, Statewide, AZ. <i>Public and Stakeholder Outreach Task Leads.</i> Development of a statewide electric vehicle deployment plan. Specific tactics included the development and maintenance of a 300+ member stakeholder list and the materials and logistical management of a stakeholder meeting attended by hundreds of policymakers, advocacy groups, and transportation officials. The stakeholder meeting achieved high participation and good feedback on the use of virtual engagement tools including Zoom Webinar, Mentimeter, and Survey Monkey. The project also included a statewide virtual public meeting attended by hundreds and a series of in-person public meetings throughout the state.</p>
05/22 – 12/22	<p>Central Yavapai Metropolitan Planning Organization, Sundog Connector, AZ. <i>Public Engagement Task Lead.</i> This project is a controversial greenfield project in rural Arizona. Worked with project technical team to develop outreach approach and materials (exhibits and FAQs) aimed at developing informed consent for the project. Crafted an approach to the open house that engaged participants in targeted activities to break down general controversy into specific points of feedback for use by the technical team.</p>
09/19 – 11/21	<p>Utah Department of Transportation Express Lanes, Messaging Support, Salt Lake City, UT. <i>Outreach.</i> Strategic messaging guidance and support for the UDOT Express Lanes team in the redevelopment of website content and overall messaging strategy. She supports the development of a user survey designed to better understand driver habits and motivations and has supported the development of a smartphone application for use by drivers as part of a new pilot program.</p>
10/19 – present	<p>DFW Airport, Communications Project Manager, DFW, TX. <i>Project Lead.</i> Internal stakeholder coordination exercise designed to assess and document the lessons learned from recent major airfield construction projects. Conducted facilitated conversations with more than 100 participants representing all aspects of airport operations and each phase of the project lifecycle. Worked to isolate and describe trends and implementable lessons learned in a comprehensive report on the effort. Continue to support the effort through the development of tools and processes designed to facilitate and improve stakeholder collaboration and communication. Developed materials to assist in community engagement, planned and executed constructor outreach events for major projects, and authored award submissions for various projects and industry/publication award cycles.</p>
03/19 – present	<p>Capital Metropolitan Transportation Authority, Project Connect Orange Line EIS, Austin, TX. <i>PI Task Lead.</i> Pre-construction project development for the 21-mile, urban corridor light rail spine of Austin’s future transit system. Managed the development and execution of the entire stakeholder engagement strategy including all messaging and materials for the public, media, elected officials, EJ, and internal audiences. Developed the project’s Public Involvement Plan with an emphasis on engaging typically underrepresented audiences and supported regular analysis to determine success against target metrics. Stress a collaborative approach to engagement through hands-on community workshops, virtual engagement tools and one-on-one stakeholder meetings with key audiences and community members. Support the Agency in property owner outreach, day-to-day management of public and stakeholder inquiries, and day-to-day documentation needs. Authored Chapter 5 (engagement chapter) for the EIS document along with the management of several rounds of iterative reviews from the Agency, Collaborating Agencies, and the Federal Transit Administration. Developed a high-quality, graphic EIS Executive Summary for the project which highlights the results of each chapter and tech report.</p>

		Firm AECOM Technical Services, Inc.	
Jonathan Vavasseur, PWS Project Biologist		Years of Relevant Experience with this Employer	6
		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	4. Environmental and Permitting Services. <i>Jonathan has 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 US for federal and state agencies, municipalities, and private clients.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
11/20 – 04/21	City of 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, 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.	
Laura Weis, PE Program Manager		Years of Relevant Experience with this Employer	22
		Years of Relevant Experience with Other Employer(s)	4
Degree(s) / Years / Specialization		BS/1995/Civil Engineering	
Active Registration Number / State / Expiration Date		0045023/LA/03.31.25 Additional active license: TX, AR	
Year Registered		2020 (LA)	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>Laura has managed dozens of TxDOT projects and has led multi-disciplinary teams in the preparation of feasibility studies; corridor studies; schematic designs and NEPA documentation; final designs plans, specifications, and estimates; and value engineering studies. Over her 26 years of experience, she has worked with 20 Districts and the TP&P Division on projects across the State. She serves on TxDOT's Connected Autonomous Vehicle Task Force on the Freight and Delivery Subcommittee.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
08/22 - Present	TxDOT Statewide Long-Range Transportation Plan, SLRTP Statewide Resiliency Plan Statewide, TX. Planning Lead. Laura is providing planning assistance to deliver a multimodal plan that provides the foundation for ongoing modal planning at TxDOT. The development of the plan includes a scenario planning process that will consider the risks, challenges, and opportunities associated with alternative futures. The effort includes 25 in-person public meetings across the state and will also build upon the results from a statewide statistically valid survey. In addition, the plan will provide the foundation to enhance the integration of modal planning and the SLRTP.		
08/22 - Present	TxDOT I-45N Planning and Environmental Linkages (PEL) Study, Harris & Montgomery Counties, TX. Planning Lead. Laura is providing corridor planning for this 24 mile PEL study to identify the corridor needs and goals, develop and evaluate alternative, and recommend alternatives to proceed forward into the NEPA process. AECOM utilized a 3-step alternative evaluation process to identify viable alternatives. The alternatives consisted of primary alternatives (improvements along the entire corridor that addressed the purpose and need and many of the goals) and supplemental alternatives (spot improvements that addressed one or two of the project goals). When combined, it results in a recommended alternative that addresses corridor wide and local needs. The recommended alternatives will be broken into short-term and long-term improvements that will be carried forward into subsequent NEPA studies.		
11/21 - 07/22	TxDOT TP&P Division, US 82 Statewide Corridor Plan, Lubbock, Childress, Wichita Falls, Paris and Atlanta Districts, TX. Project Manager. Leading a multi-disciplinary team conducting a statewide corridor study to evaluate safety, mobility, freight needs, multimodal access, connectivity needs, and asset conditions along the ~550-mile route border to border. The project required coordination with five districts and other stakeholders through Fact Sheet, Safety Fact Sheet, web site, GIS-based comment collection tool, Steering Committee meetings, and Working Group Meetings. Laura prepared the meeting presentations and facilitated the discussions.		
01/18 - 07/22	TxDOT Bryan District, SH 6 Corridor Feasibility and Relief Route Study, Calvert, TX. Project Manager. Laura serves as project anager for this 32-mile corridor from Old Reliance Road in Bryan to FM 2159. north of Calvert. She worked with her deputy PM for the development of the Feasibility and Implementation Plan. The project analyzes the feasibility of a variety of corridor improvements, including potential relief routes around Calvert and Hearne, upgrading the rural sections, converting two-way frontage roads to one-way, and interchange upgrades. Her team was responsible for public and stakeholder involvement, traffic studies, environmental constraints mapping, schematic design, and an implementation plan that recommends short-, mid-, and long-term improvements.		

Firm		C. H. Fenstermaker & Associates, L.L.C.	
	Chris Guidry Manager, Environmental Specialist	Years of Relevant Experience with this Employer	25
		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization	BS/1996/Environmental and Sustainable Resources		
Active Registration Number / State / Expiration Date	USACE Wetland Delineation Certification #325 FHWA-NHI-142005 NEPA and Transportation Decision Making		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	<p>4. Environmental and Permitting Services. <i>Chris' experience primarily consists of environmental compliance and securing federal, state, and local permits. His duties include overall project management and field investigation support for Environmental Due Diligence projects. He also manages Phase I Environmental Site Assessment projects. Chris has prepared Storm Water Pollution Prevention Plan manuals and conducted inspections for construction activities associated with pipeline projects as required by the Environmental Protection Agency's National Pollutant Discharge Elimination System Storm Water Multi-Sector General Permit. Chris also has experience in Wetland Delineations, Wetland Characterization, Wetland Damage Assessment, Wetland Permitting, and Environmental Project Management. He has secured mitigation contracts from approved Wetland Mitigation Banks, which offset wetland impacts because of wetland permits that are issued by the US Army Corps of Engineers and the Department of Natural Resources Coastal Management Division.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
02/15-05/17	Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379), Calcasieu Parish, LA. In his role as overall environmental project manager and Permit Agent, Chris was responsible for Fenstermaker's engineering and consulting contracts with Fluor, valued at \$11.4 million and \$12.9 million, respectively. Chris oversaw the acquisition of various permits, including Railroad, State Highway, and Parish Road Crossing Permits, while Fenstermaker provided engineering design for a 1.5-mile heavy haul route used to transport oversized modules from the Calcasieu River to a proposed plant site in Westlake.		
04/17-05/17	Retainer Contract for Environmental Permitting I-12 (LA21 to US190) & I-12 (US190 to LA59), St. Tammany Parish, LA. Fenstermaker conducted routine wetland delineations in March and April of 2017. The proposed project required pavement rehabilitations and additional travel lanes along Interstate 12. The delineation was limited to the existing road ROW and the required ROW for the proposed construction. Chris performed the wetland delineations in the field and reviewed the wetland delineation reports.		
05/16-05/16	Retainer Contract for Environmental Permitting LA 471: Dartigo Creek & Creek Bridges, Grant Parish, LA. Fenstermaker was issued Task Order #2 in February 2016 for Dartigo Creek & Creek Bridges. Fenstermaker conducted a routine wetland delineation in May 2016. The proposed project required the relocation and elevating of an existing 0.662-mile section of LA 471 and replacing three bridge structures along a new alignment. Chris was responsible for setting up the project and working with the project manager to complete all work required for the delineation.		
03/18-03/18	Retainer Contract for Environmental Permitting: H.003184 I-10 Widening, Calcasieu Parish, LA. Fenstermaker conducted a routine wetland delineation and completed a report. The project required pavement rehabilitations and additional travel lanes along I-10, from the Texas state line continuing eastward to just east of Coone Gully. The purpose of the wetland delineation was to determine the presence/absence of wetlands using the three technical criteria: vegetation, hydrology, and soils. The project corridor was approximately 9.9 miles long and covered approximately 360 acres. Chris was responsible for reviewing the wetland delineation report and ensuring quality assurance and quality control of the document.		


01/15-01/17	Retainer Contract for Environmental Permitting Services: I-10: E JCT I-49 to Atchafalaya Floodway, Lafayette & St. Martin Parishes, LA. Fenstermaker conducted a routine wetland delineation. The proposed project required pavement rehabilitations and additional travel lanes along I-10, from the east junction of LA HWY 328 continuing eastward to the Atchafalaya Floodway Bridge. The wetland delineation was limited to the existing road ROW. Chris served as the project manager for this wetland delineation.
07/18-03/20	S.P. No. H.009932 US 80 Widening: Vancil Rd to Well Rd EA, Ouachita Parish, LA. Chris served as the Wetland Analysis Lead for this Environmental Assessment to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He has coordinated wetland and threatened and endangered species field delineations and analyzed impacts associated with the project. He developed a report for approval to LADOTD, in accordance with National Environmental Policy Act (NEPA), summarizing the findings of the analyses.
03/18 – 02/19	Cane River Bridge Church Street Route LA 1-X, Natchitoches Parish, LA. Chris served as the Wetland Analysis Lead for this Environmental Assessment for the replacement of the Cane River Bridge. He was responsible for all aspects of the wetland and threatened and endangered species analyses. He coordinated all field activities and developed a report summarizing the impacts of the project to wetlands and threatened and endangered species. Chris also assisted with the preparation of the Phase I Environmental Site Assessment and USACE permits.
04/15 – 04/18	Coach Williams Drive Extension & Roundabout, Calcasieu Parish, LA. Chris's responsibilities included overall environmental project management, QA/QC of collected wetland delineation data, report preparation, and permit agent. Permits acquired include securing USACE Jurisdictional Determination and USACE Permits for jurisdictional wetland and water impacts.
11/20-05/21	Farm Road Bridges Project, Calcasieu Parish, LA. Fenstermaker provided professional engineering services related to the replacement of two (2) timber bridges located on Farm Road between LA 397 and Manchester Road, just east of Lake Charles and southeast of the Chennault International Airport. The project's scope consisted of professional surveying, roadway and bridge design, hydrologic and hydraulic analysis, wetland delineation and USACE permitting, geotechnical investigations, load rating determination, dynamic pile monitoring and vibration monitoring services, utility coordination, right-of-way surveying, title work, right-of-way plat preparation, and construction phase services. Chris reviewed the wetland delineation field data, prepared and reviewed the wetland delineation report, and prepared, reviewed and finalized all documentation for submittal to USACE.
06/14-07/14	Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385): LADOTD Permit No. 153351, 153352, 153353, Calcasieu Parish, LA. Chris was the environmental project manager for this road improvement project for W Lincoln RD and LA385 located in the Coastal Zone of Louisiana, south of Lake Charles. Chris's responsibilities included overall environmental project management, QA/QC of collected wetland delineation data, report preparation, and permit agent. Permits acquired include securing a USACE Jurisdictional Determination, USACE Permit, and LDNR Office of Coastal Management permit for jurisdictional wetland and water impacts.

Firm		C. H. Fenstermaker & Associates, L.L.C.		
	Joey Runner, PWS Manager, Environmental Specialist		Years of Relevant Experience with this Employer	5
			Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization		BS/2003/Biology		
Active Registration Number / State / Expiration Date		Professional Wetland Scientist (PWS) #2855		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		<p>4. Environmental and Permitting Services. <i>Joey has extensive experience in wetland delineations, CWA Section 404 permitting, coastal zone management permitting, migratory bird surveys, and environmental site assessments. He also has experience in performing endangered species surveys, wildlife management plans, large-scale wetland and vegetation mapping projects, large-scale linear pipeline projects, and regulatory permitting for oil and gas activities. Joey works with many local agencies such as the U.S. Department of the Army Corps of Engineers, U.S. Environmental Protection Agency, U.S. Department of Interior Fish and Wildlife Service, Louisiana Department of Natural Resources, Louisiana Department of Wildlife and Fisheries, and the Texas Parks and Wildlife Department.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
09/18-03/20	US 80 Widening: Vancil Road to Well Road Environmental Assessment, Ouachita Parish, LA. Joey served as the Wetland and Threatened & Endangered Species Analyst for this Environmental Assessment which served to improve the corridor by widening the existing roadway and implementing intersection improvement principles along a 1.4-mile portion of US 80. He coordinated wetland and threatened and endangered species field delineations and analyzed impacts to wetlands and threatened and endangered species. He assisted in the development of a report for approval to LADOTD summarizing the findings of the analyses, in accordance with NEPA.			
01/20 – 01/20	Apollo Road (LA 93) Extension and Roundabout, Lafayette Parish, LA. This \$15 million dollar construction project includes two miles of a four-lane boulevard and six-foot sidewalks. Fenstermaker was responsible for the preliminary and final roadway design plans, utility relocation coordination, land acquisition services, right-of-way and parcel plats, agency coordination, wetland delineation and permitting, bid and contract administration, and construction engineering and inspection services. Joey served as the lead wetland delineator.			
11/20-03/21	Farm Road Bridges Project, Calcasieu Parish, LA. Fenstermaker provided professional engineering services related to the replacement of two timber bridges located on Farm Road between LA 397 and Manchester Road, just east of Lake Charles and southeast of the Chennault International Airport. The project's scope consisted of professional surveying, roadway and bridge design, hydrologic and hydraulic analysis, wetland delineation and USACE permitting, geotechnical investigations, load rating determination, dynamic pile monitoring and vibration monitoring services, utility coordination, right-of-way surveying, title work, right-of-way plat preparation, and construction phase services. Joey performed the wetland delineation, reviewed the wetland delineation report, and finalized and submitted the report to USACE.			
12/18-12/20	Lake Charles Regional Airport 69 Acre Tract Wetland Delineation, Report, Jurisdictional Determination & Permits, Calcasieu Parish, LA. The Lake Charles Regional Airport needed to remove obstruction of trees near the runways on approximately 69 acres. The proposed tree clearing area required the completion of a routine wetland delineation. The delineation consisted of walking the area, identifying the wetlands, mapping the wetland and non-wetland boundaries, and recording vegetation, soils, and hydrology data. Joey served as senior environmental specialist/lead delineator.			

06/21-07/21	Liberty Terminal Environmental Services, St. John the Baptist Parish, LA. Fenstermaker Environmental Specialists assessed permitting requirements for the proposed LITCO project to identify potential filings of any/all regulatory permits to include Federal, State and Parish entities. Joey prepared and coordinated the field investigation, conducted the wetland delineation, processed collected data, reviewed the field data, reviewed plats, and prepared the project report.
11/18-11/18	Red Davis McCollister Road and South Park Drive Roundabout, Calcasieu Parish, LA. Red Davis McCollister Rd. and S. Park Dr. are classified as Urban Collectors. The intersection was controlled with stop signs on Red Davis McCollister. Based on crash reports, many drivers traveling through the intersection mistook the intersection as a four-way stop. Between 2009 and 2017, there was a total of 26 collisions at the intersection. Fenstermaker was contracted to provide professional engineering design and planning services for a roundabout at the intersection. Joey was responsible for the wetland delineation field preparation, data processing, and report and map preparation.


Firm		Coastal Environments, Inc.		
	Hunter Guidry		Years of Relevant Experience with this Employer	7
	Director Applied Science & Planning, Scientist, Biologist/Wetlands Ecologist		Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization		BS / 1996 / Environmental Management Systems		
Active Registration Number / State / Expiration Date		Certificates: Wetland Delineation and ESA Phase		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>Hunter provides environmental services for permitting, ESA / investigations and wetland delineations.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
02/18 – 05/18	H.011670.1 & H.011670.2. I-10/Loyola Interchange Improvement Project Corridor, Jefferson Parish. Project Scientist II. Performed multiple site inspections of various impact locations for several different alignments for the ESA-Phase I. Attended public meetings and interacted with state and local agencies as well as answered questions from the public about environmental impacts of the project.
11/22-03/22	Pelicans Landing Phase II, Crown Pointe Development, Jefferson Parish. Project Scientist II. Prepared Joint CUP application for second phase of development and submitted and tracked application through Jefferson Parish Office of Coastal Management and USACE.
08/21-present	Stennis Space Center Regulatory Compliance and Permitting for Relativity Space, Hancock Co., MS. Project Scientist II. Prepared wetland determinations and Joint Coastal Use/404 Permit Applications on 186-ac proposed rocket fuel testing site within Stennis. Submitted wetland determination to USACE for jurisdictional determination.
09/17 – 11/17	Cleco Emergency-Storm Laydown Yard. St. Tammany Parish. Project Scientist II. Conducted preliminary environmental assessment, preliminary wetland delineation, and wetlands permitting consultation on a 10-ac tract sod farm proposed emergency storm laydown yard for future hurricane/storm use and prepared reports and maps of findings.
06/17 – 12/17	Cleco Goodbee Substation Site. St. Tammany Parish. Project Scientist II. Conducted ESA-Phase I, wetland delineation, USACE Nationwide 12 Permit, and T&E species survey on a one-ac tract for proposed substation and prepared report of findings for client.
08/16 – 02/17	Cleco 3.25-mi ROW DeQuincy ESA I, Calcasieu Parish. Project Scientist II. Conducted ESA-Phase I, wetland delineation, USACE 404 Permit, and T&E species survey on a 14.23-ac tract for proposed transmission line clearing and installation; prepared reports of findings.
02/21-present	Belle Terre Multi-Use Development, LaPlace. Project Scientist II. Prepared a revised Coastal Use Permit for multi-use development project and submitted to DNR and USACE-NOD for review and concurrence.
02/17 – 08/18	Alton Phase I Drainage Improvements, St. Tammany Parish. Project Scientist II. Assisted N-Y Associates working for St. Tammany Parish Government and conducted wetland delineation on multiple mile drainage improvement project. Performed field work, prepared report of findings, and consulted on wetlands permitting aspects of project.
06/16 – 08/18	Cleco 3.5-mi Distribution Line, Calcasieu Parish for Cleco. Project Scientist II. Conducted wetland delineation and endangered species survey on multiple mi project ROW in southwestern Louisiana. Prepared report of findings and received jurisdictional determination from USACE. Assisted client in preparation, submittal and tracking of permit application for submittal to USACE for Nationwide 12 permit.
02/16 – 08/18	Cleco Transmission Line and Substation Expansion, St. Mary & Terrebonne Parishes. Conducted wetland delineations and endangered species surveys on multiple mile project ROW and Bayou Vista substation expansion. Prepared report of findings and advised on wetlands permitting aspects of project. Conducted a SWPPP, prepared NOI for submittal to LDEQ, and prepared report for client.

Firm Coastal Environments, Inc.			
	Sara A. Hahn Principal Investigator/Lead Architectural Historian	Years of Relevant Experience with this Employer	20
		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	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Sara is an Architectural Historian and Archaeologist. She conducts architectural surveys and archaeological investigations. Sara 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.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
Sara performed cultural resources and/or archaeological investigations as an Architectural Historian and Archaeologist for the following projects.	
03/20-06/22	Belle Chasse Tunnel HAER Documentation, Belle Chasse, Plaquemines Parish, Louisiana. Conducted Level II HAER Documentation (H.004791) for LADOTD.
11/20-9/21	Architectural Survey and Evaluation of 24 World War I and II Hangars and Airfields in Mississippi. Surveyed and evaluated 24 airfields and hangars statewide and developed a context for hangars in Mississippi for MS Army National Guard.
9/21-06/24	NPS Hurricane Harvey Grant, City of Lake Charles. Conducted architectural survey of 3,726 structures for Calcasieu Parish.
10/20-10/21	I-49 Inner City Connector, Shreveport, Caddo Parish. Conducted architectural survey and evaluation of 922 structures. Aided in Section 106 consultation (H.003915) for NW Louisiana Council of Governments.
05/20-10/20	Architectural Survey for the Sabine to Galveston Coastal Storm Risk Management, Orange, Jefferson and Brazoria Counties, Texas. Conducted architectural survey and evaluation of 2,694 resources and recommended 11 eligible for listing on the NRHP for Galveston District, US Army Corps of Engineers.
12/19-3/20	Plank-Nicholson Bus Rapid Transit Project, Baton Rouge, Louisiana. Conducted architectural survey and evaluation of 58 structures. Five were determined eligible and one potentially eligible for Federal Transportation Authority.
11/18-04/19	LA 5 Realignment Project Between Gloster and Kingston. Evaluated six structures and recommended one eligible for listing on the NRHP under Criterion C. Aided in the archaeological survey and conducted archival research (H.001749.2) for LA DOTD.
08/18-01/19	LA 70 Widening Project from the Sunshine Bridge to LA 22, Ascension and St. James Parishes. Conducted architectural survey and evaluation of 13 structures (H.002424) for LA DOTD.
07/18-01/19	SR 42 Bridge Replacement over Tallahalla Creek, Perry County, MS. Evaluated the bridge over Tallahalla Creek and recommended it eligible for the NRHP for MDOT.
05/18-12/18	Survey of 24 Mississippi National Guard Armories of the Cold-War Era. Surveyed and evaluated 24 National Guard Armories statewide and developed an historic context for armories of the Cold War era for MS Army National Guard.
02/18-12/19	Houma – Thibodaux to LA 3127 Connector. Conducted architectural survey and evaluation of 22 structures (H.005257.2) for LA DOTD.


05/12-03/17	Louisiana Statewide Historic Bridge Inventory. Conducted the archival research to aid in the creation of statewide bridge context, research at parish and state repositories to determine bridges to be surveyed, conducted accelerated field survey of several bridges to determine NRHP eligibility prior to statewide survey and conducted portion of statewide survey (H.007020) for LA DOTD.
06/12-present	New I-10 Calcasieu Bridge and Approaches, Calcasieu Parish. Conducted archival research, archaeological survey & testing, architectural survey & update and NRHP evaluation. Prepare Section 106 Adverse Effect Documentation, Section 4(f) statement and corresponding sections of the EIS (H.003931.5) for LADOTD.
04/13-01/15	HAER: The Bayou Boeuf Bridge on LA 1177, Avoyelles and Rapides Parishes. Conducted archival research and prepared the Historical Report portion of the HAER documentation (H.07876.2) for LADOTD.
05/14-01/16	LA 10 & 67 Intersection Widening & Sidewalk Replacement, East Feliciana Parish. Conducted architectural survey & NRHP evaluation of 22 structures and archaeological survey and testing. Determined one structure as eligible (H.009012.2) for LADOTD.

Firm Coastal Environments, Inc.			
	David B. Kelley, PhD	Years of Relevant Experience with this Employer	44
	Director, Cultural Resources Division (Coastal Env.)	Years of Relevant Experience with Other Employer(s)	8
Degree(s) / Years / Specialization	PhD /1990/Anthropology BA /1975/Anthropology		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>David is a Principal Investigator for Cultural Resources Investigations.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
David provided cultural resources services for the following projects.	
01/23-08/23	US 190/LA 415 Interchange Project H.000358 for LA DOTD, West Baton Rouge Parish, Louisiana. Principal Investigator for cultural resources survey.
08/22-03/24	LA 1/LA 415 Connector Project H.05121.2 for LA DOTD, West Baton Rouge Parish, Louisiana. Principal Investigator for cultural resources survey.
01/21-02/22	SH 63 Burr's Ferry Bridge Replacement, Newton, TX. Principal Investigator for cultural resources survey for TxDOT CSJ 0214-03-035.
11/20-04/21	LA 8 Burr's Ferry Bridge Replacement, Vernon Parish, LA. Principal Investigator for cultural resources survey for TxDOT CSJ 0214-03-035.
12/17-07/20	COE Managed Lands, Arkansas and Missouri. Directed cultural resources survey of areas at reservoirs in the Ozark and Ouachita Mountains for the Little Rock District, COE. Subconsultant to Archaeological Consultants, Inc.
10/15-05/16	Dijon Drive Extension Project, East Baton Rouge, LA. Principal Investigator for cultural resources survey for Capital Regional Planning Commission H.012232.
05/15-07/16	US 175 Widening Project, Anderson County, TX. Directed data recovery excavations at 41AN201, a Protohistoric Caddo site for TxDOT WA57501SA002.
10/14-05/15	LA 1 Bridges near Grand Isle Project, Jefferson and Lafourche Parishes, LA. Directed cultural resources survey for DOTD H.005403.2.
05/14-04/15	LA 485 Bridges near Allen Replacement Project, Natchitoches Parish, LA. Directed cultural resources survey at four bridge locations for DOTD H.001820.2.
10/13-12/14	Archaeological Test Excavations at Site 16CD294, Caddo Parish, LA. Directed excavations for DOTD H.003501.
08/12-08/13	I-210 Cove Lane to Nelson Road Interchange Project, Calcasieu Parish, LA. Directed cultural resources survey.
08/11-09/12	Chef Menteur Bridge and Approaches Project, Orleans Parish, LA. Principal Investigator for cultural resources survey for DOTD H.000263.2
03/11-10/11	Praxair South Louisiana Hydrogen Pipeline Project, Ascension, St. James, and St. Charles parishes, LA. Principal Investigator for cultural resources survey, Subconsultant to Ecology and Environment, Inc.
09/07-04/08	Houma Navigation Canal Deepening Project, Terrebonne Parish, LA. Principal Investigator for cultural resources survey for U.S. Army Corps of Engineers, New Orleans District.


12/05-10/06	SH 155 Widening Project, Anderson County, TX. Co-Principal Investigator for data recovery excavations at 41AN38, a late Caddo site, for TxDOT.
12/04-06/05	FM 557 Bridge Replacement Project, Camp County, TX. Co-Principal Investigator for test excavations at 41CP220 for TxDOT.
03/04-12/05	US 171 Widening Project, Sabine Parish, LA. Directed data recovery excavations at 16SA204, a Late Caddo site for DOTD 700-29-0070
12/02-12/03	MS 24-48 Widening Project, Amite, Pike and Wilkinson Counties, MS. Principal Investigator for cultural resources survey for MDOT.
12/02-10/03	I-69 Project, Tunica, Coahoma and Bolivar Counties, MS. Principal Investigator for cultural resources survey for MDOT.
11/92-09/94	Grand Bayou Reservoir Project, Red River Parish, LA. Directed survey and test excavations at sites for DOTD 504-41-0017.

		Firm	Coastal Environments, Inc.
Karen M. Wicker, PhD (MPR 4) Senior Vice President, Principal (Coastal Env.)		Years of Relevant Experience with this Employer	49
		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization	PhD/1979 /Physical Geography MS/1975 / Anthropology BS/1970 / Human Studies		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA		
Contract Role(s) / Brief Description of Responsibilities	MPR 4. 4. Environmental Permitting Services. As Senior Environmental Manager, Karen directs work related to NEPA Compliance, Environmental Investigations, and NEPA. She has completed "HNI Course No. 142005, National Environmental Policy Act (NEPA) and Transportation Decision Making."		
Experience Dates	Experience and qualifications relevant to the proposed project		
	Karen directed Environmental Investigations and NEPA compliance for the following LDOTD projects.		
02/10 - 12/23	H.004891.1. US 61 / I-10 Connector EIS and Supplement, St. John the Baptist Parish. Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of NEPA associated documents; sections of EIS; and alternatives' analyses.		
06/12 - 06/22	H.003931.1 & H.003931.5. New I-10 Calcasieu Bridge and Approaches, Calcasieu Parish, LA. Principal/Project Director for ESA-Phase 1 investigation; assisted in preparation of ESA-I documents and HTRW sections.		
05/12 - 12/14	H.005403.2. Stage 1 Environmental Assessment, I-10/408-Hooper Rd. E. Baton Rouge & Widening (LA 16-Sullivan Rd), E Baton Rouge & Livingston Parishes. Principal/Project Director for investigations for wetlands, T&E species, Biological Assessment, cultural resources & ESAI; preparation of NEPA compliance environmental documents and related sections of EA.		
01/13-12/ 13	H.01008.1. Stage 0 Feasibility, LA 156 Interchange at Calvin - US 167, Winn Parish. Supervisor/Environmental Manager for investigations for wetlands, T&E species, HTRW & cultural resources; and preparation of Environmental documents.		
04/13-12/ 13	H.001399. LA HWY 23 (Happy Jack) at Sulphur Stage 1 EA, Plaquemines Parish. Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of NEPA Compliance environmental documents and related sections of EA.		
05/11 - 09/12	700-28-0213, H.004482.2. Ambassador Caffery N Extension Supplement 3, Lafayette Parish. Principal/Project Director for investigations for wetlands, T&E species, biological assessment, cultural resources & ESA - Phase 1; preparation of NEPA related environmental documents and related sections of EA Supplement.		
03/03-05/05	700-19-0108. Florida Ave. Bridge over IHNC EA, Orleans & St. Bernard Parishes. Supervisor/Environmental Manager for investigations for wetlands, T&E species, biological assessment, cultural resources; preparation of environmental documents and related sections of EA.		
05/99 - 07/02 06/06 - 06/07	700-26-0076. LA 1088/I-12 Interchange EA & Supplement, St. Tammany Parish. Supervisor-Other for investigations for ESA-Phase 1, wetlands, threatened and endangered species and cultural resources surveys and preparation of environmental documents and sections of EA. Supervised preparation of Wetland Delineation update under LADOTD supplement.		
01/02 - 11/05	700-14-0018. Huey P. Long Bridge Widening EA, Jefferson Parish. Supervisor-Other for investigations for ESA-Phase I, Wetlands Delineation, T&E Species, Natural and Human Environment setting and preparation of EA and other NEPA compliance documents; participated in public meetings and responded to comments.		


		Firm	Coastal Environments, Inc.	
Walker Wilson		Years of Relevant Experience with this Employer		20
Proj. Sci. II: Wildlife Biologist/Wetland Biologist		Years of Relevant Experience with Other Employer(s)		3
Degree(s) / Years / Specialization	MS / 2005 / Wildlife BS / 2001 / Wildlife and Fisheries BS / 1999 / Zoology			
Active Registration Number / State / Expiration Date	NA			
Year Registered	NA	Discipline	NA	
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>As a senior biologist, Walker performs biological assessments, wetland delineations, and threatened and endangered species surveys and mitigation.</i>			

Experience Dates	Experience and qualifications relevant to the proposed contract.
Walker was a senior biologist for wetlands, wildlife, T&E Species and/or biological assessments on following projects.	
05/12 - 06/15	H.005403.2. Stage 1 EA, LA Hwy 408-Hooper Rd. Extension & Widening (LA 16-Sullivan Rd), E Baton Rouge & Livingston Parishes. Sr. Biologist. In coordination with USFWS & LDOTD, prepared Biological Assessment of two alternate crossings of Amite River for federally listed Alabama (inflated) Heelsplitter Mussel. Conducted wetland delineation and co-authored wetland findings report and wildlife assessment and sections of EA on wetlands, vegetation, and wildlife.
09/23-11/23	USACE BAC Mitigation Monitoring, Jefferson Parish. Sr. Biologist. Monitored vegetation in Jean Lafitte NHP&P marsh and swamp to document unforeseen unintended impacts of a construction project on the environment. Prepared report of findings.
05/23 – 06/23	Black Rail Survey of 16-Ac Tract Golden Pointe. Nueces Co., TX. Sr. Biologist. Used audio playback survey protocol approved by USFWS to survey for endangered Eastern Black Rail on North Padre Island.
01/13 - 12/13	H.009488.1. Stage 0 Feasibility Study LA 378 Improvements Westlake to Moss Bluff, Calcasieu Parish. Sr. Biologist. Conducted investigation of wetlands & T&E species; prepared Environmental Checklist and summary report of findings and methodology.
02/10 - 06/15	H.004891. US 61 /I-10 Connector EIS, St. John the Baptist Parish. Sr. Biologist. Conducted aerial reconnaissance to locate and map Bald Eagle nests and colonial nesting bird colonies as part of biological assessment for two alternate alignments.
04/13 - 12/13	H.01008.1. Stage 0 Feasibility Study LA 156 Improvements, Winn Parish. Sr. Biologist. Conducted investigation for wetlands and Threatened and Endangered species; prepared Environmental Checklist and summary report of findings.
05/22-06/22	16CU128 Site Delineation & Vibracore Survey for Proposed DOTD bridge, Calcasieu Parish. Sr. Biologist. Drove airboat to site; trained archaeologists to use vibracorer to delineate buried portions of prehistoric site & historic sawmill within project footprint.
10/18 - 05/19	Southland Terminals Tract, Updated Wetland Delineation, Ascension Parish, LA. Sr. Biologist. Conducted wetland delineation on ±61.29-ac tract, authored delineation report; submitted it to the USACE-NOD and received a Preliminary JD.
08/18 - 10/18	Cleco LLC St. Tammany Transmission Line Maintenance, St Tammany Parish. Sr. Biologist. Conducted surveys for Gopher Tortoise in project area of maintenance sections on existing ~18-mi transmission line ROW and prepared report of findings.
08/18 - 09/18	Cleco LLC James Property, Rapides Parish. Sr. Biologist. Conducted wetland delineation on a ±122-ac property.
07/15 - 10/15	Cleco LLC CENLA Transmission Expansion, Rapides Parish. Sr. Biologist. Conducted surveys for Red-cockaded Woodpecker and Northern Long-eared Bat in and near project footprint for 9.2-mi transmission line ROW. Prepared report of findings.


11/13 - 11/15	Lake Lery Marsh Restoration-CIAP, St. Bernard Parish. Sr. Biologist. Conducted wetland delineation, SAV survey and nesting bird survey and prepared wetland delineation report for submittal to USACE, NOD for JD for marsh enhancement and creation project.
05/13 - 12/13	Cleco Bistineau Tie Line, Red River Parish. Sr. Biologist. Performed environmental surveys and wrote EA for NRCS on tract of land in Wetland Reserve Program. Assisted Cleco in getting necessary permits for installing buried transmission lines on tract.

		Firm Terracon Consultants, Inc.	
Jeffrey Delise Project Manager		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	10
Degree(s) / Years / Specialization		BS / 2005 / Environmental Sciences	
Active Registration Number / State / Expiration Date		LDEQ Certified Asbestos Building Inspector; LDEQ Certified Asbestos Contractor/Supervisor; OSHA HAZWOPER 40 HOUR; AHERA Asbestos Project Designer; NIOSH 582 Equivalency; LDEQ Lead Inspector; LDEQ Lead Risk Assessor	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>Jeff has over 19 years of experience in environmental consulting, working with building sciences, indoor air quality, asbestos, lead-based paint, and other hazardous materials. As a project manager for the Asbestos and Lead Services Department, Jeff is responsible for client communication, project oversight and planning, staff training, initial inspections, project specifications, abatement oversight, clearances, proposal writing, report review, and invoicing. Jeffe also has extensive direct project experience in oversight, planning, scheduling, specifications, clearances, milestones, and quality assurance.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
06/23-05/24	Opportunity Home San Antonio, San Antonio, TX. Project manager and lead field supervisor for the lead-based paint (LBP) inspection and risk assessment of multiple low-income housing authority properties throughout San Antonio, TX as part of the housing authority's grant funding projects for property improvements. To date, Terracon has completed 7 properties consisting of 200 residential dwelling units to 685 residential dwelling units for each property. The LBP inspection utilized an XRF instrument to identify the absence presence of lead in paint to the in-place building components. In addition, lead dust wipe samples and soil samples were collected to identify additional lead hazards. Inspections and risk assessments were conducted in accordance with the HUD guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing and the State of Texas regulations. Mr. Delise was responsible for leading a team of three inspectors/risk assessors to complete the field work within an aggressive timeline and budget. Mr. Delise also was responsible for collection of field documentation and review of the chain-of-custody documents prior to samples being received by the laboratory. Mr. Delise reviewed all analytical data and interpreted this data into final reports and abatement designs, if required.		
03/24-03/24	Capital One Building, Lake Charles, LA. Project manager and lead field supervisor for the hazardous materials assessment, which includes, a gap asbestos inspection, waste stream characterization, and universal waste inventory. The facility consisted of a 22-story commercial building that was damaged during Hurricane Laura in 2020 and is scheduled for demolition in downtown Lake Charles, LA.		
09/23-10/23	VA Cemetery, Alexandria, LA. Project manager and lead field supervisor for the project. The scope of work included asbestos and lead abatement observations to include visual documentation, ambient air monitoring, and clearances of the historic on-site structures proposed for property improvements. The abatement observations were conducted in accordance with federal and state regulations as well as project specifications.		

08/22-09/22	Housing Solutions, Various Cities, Louisiana. Project manager and lead field supervisor for the project. The scope of work included an asbestos survey, a lead-based paint survey, lead in drinking water assessment, and limited radon testing of two separate low-income housing authority properties in Louisiana that is applying for grant funding for property improvements. To date, Terracon has completed 2 properties ranging from 76 residential dwelling units to 90 residential dwelling units each. The LBP inspection utilized an XRF instrument to identify the absence presence of lead in paint to the in-place building components. Mr. Delise was responsible for leading a team of four asbestos and lead inspectors to complete the field work within a timeline and budget. Mr. Delise also was responsible for collection of field documentation and review of the chain-of-custody documents prior to samples being received by the laboratory. Mr. Delise reviewed all analytical data and interpreted this data into final reports and abatement designs, if required.
11/21-06/23	Metairie Tower Condominium, Metairie, LA. Project manager and lead field supervisor for the project. The building consists of a 7 story 219 owner-occupied condominium complex that was damaged from Hurricane Ida in 2021. The scope of work included a moisture survey, documentation of water damaged in-place building components and contents, an asbestos inspection, asbestos work plan development, asbestos abatement oversight with ambient air monitoring, and work area clearances. In addition, the project included working with 2 separate abatement companies and assisting and representing the client as a technical resource for discussions with insurance companies.
03/20-05-20	Denver International Airport, Denver, CO. Project manager and lead field coordinator for various pre-renovation asbestos inspections for the concourse expansion program.
07/18-03/19	The Standard at Fort Collins Industrial Hygiene Services, Fort Collins, CO. Project manager for the industrial hygiene inspection of nine buildings on 6 properties, including a three-building apartment complex with a clubhouse and five single family homes. All were demolished to make room for the new construction of a 230+ unit student housing project. His team provided inspection of hazardous materials (including asbestos, lead-based paint, mold and universal waste), asbestos abatement work plans, and abatement and demolition clearances.


Firm Terracon Consultants, Inc.			
	Jeremiah "Jerry" Garms Senior Industrial Hygienist	Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	18
Degree(s) / Years / Specialization	NA		
Active Registration Number / State / Expiration Date	Lead Risk Assessor (LA); Asbestos Inspector (LA); ASTM E1903-11 Phase II Assessor Training; ASTM E1527-13 Phase I ESA Environmental Professional		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Jerry is an environmental professional with over 20 years of experience in the environmental field, including 16 years of experience in asbestos, lead-based paint, and mold abatement. Jerry's experience includes conducting and supervising asbestos surveys and lead-based paint surveys as well as lead sampling and reporting for commercial and industrial clients.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
12/2021-1/2022	Phi Gamma House Corporation of Chi Omega Fraternity, Inc. Terracon provided the initial asbestos survey, asbestos abatement specifications, documentation, asbestos abatement oversight and air monitoring services, and post-abatement verification assessments and sampling. Terracon collected 69 samples from 21 homogenous areas on January 6, 2022, and collected 56 samples from 12 Homogenous areas for a supplemental sampling conducted on May 21, 2022, and May 23, 2022. Identified asbestos-containing material (ACM) would be impacted during renovation and demolition activities. Abatement Specifications were then submitted to the client, and Terracon contacted abatement contractors for the abatement bidding. Terracon provided a Louisiana Department of Environmental Quality (LDEQ) accredited Asbestos Contractor/supervisor to perform daily third-party monitoring and abatement project oversight for the duration of asbestos abatement activities. Daily air sampling included baseline samples and abatement work area samples that were analyzed by Phase Contrast Microscopy (PCM) in accordance with the LDEQ and NESHAP. Terracon completed asbestos abatement oversight services after a final visual assessment and final air clearance sampling.
5/2021-7/2021	Lead-Based Paint Surveys – Lafayette, LA. Terracon conducted lead paint surveys for up to fifteen single-family structures located in Lafayette Parish, Louisiana. The lead-based paint surveys included a surface-by-surface evaluation of painted building components to be affected by the proposed renovations, utilizing an X-ray fluorescence (XRF) lead in paint analyzer. Each survey included an inspection to identify the presence or absence of lead in painted, shellacked, stained, or otherwise coated building component surfaces on both the exterior and interior of the site structures. The purpose of the lead-based paint survey was to determine if lead-based paints were present and to identify the locations of lead-based paint within each structure. Terracon's LBP survey for each address consisted of the interior and exterior of the main dwelling, including any outbuildings, such as car ports or sheds. The LBP inspection was based on observable and accessible conditions. Results of the sampling and analytical program were intended to give an indication of the presence, amount, and condition of paint materials that contain lead.
2020-present	Diocese of Lake Charles, Lake Charles, LA. Terracon has conducted Hazardous Material Surveys at client-specified church facilities. The objective of the assessments was to identify the presence, quantity, and location of asbestos-containing materials (ACM) that may be subject to impact during proposed demolition or renovation activities. In addition, provide lead-based paint surveys which included a surface-by-surface evaluation of painted building components to be affected by the proposed renovation/demolition, utilizing paint chip sampling and analysis. Terracon's survey for each facility consisted of the interior and exterior of client specified church facilities. The surveys are based on observable and accessible conditions. Results of the sampling and analytical program are intended to give an indication of the presence, amount, and condition of paint materials that contain lead and/or asbestos.


Firm		Terracon Consultants, Inc.		
	Steven Latiolais, PE		Years of Relevant Experience with this Employer	5
	Environmental Dept. Manager		Years of Relevant Experience with Other Employer(s)	4
Degree(s) / Years / Specialization		BS /2015/Environmental Management Systems		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. <i>Steven is a staff industrial hygienist in Terracon's New Orleans, LA office. He has nine years of experience coordinating and managing multi-faceted, turnkey projects involving asbestos, lead-based paint, mold, groundwater monitoring, and geotechnical services..</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
05/23-06/24	Touro Synagogue – New Orleans, LA. Industrial Hygienist and leader for asbestos, lead, and hazardous materials inspections and subsequent specification development and abatement monitoring services.
08/22-02/23	Various Projects – PCL Construction – Various Locations. Industrial hygienist responsible for on-site implementation and evaluation of occupational exposures to airborne lead associated with torch cutting leaded coatings on railroad bridge demolition projects.
09/21-10/21	Sewerage and Water Board of New Orleans - New Orleans, LA. Personnel responsible for the planning and execution of an asbestos inspection, condition assessment, and resulting asbestos abatement specification preparation associated with a 100,000 square foot storm water pump station. Services were provided to evaluate the facility's need for hazard mitigation and employee protection following a large-scale asbestos fiber release. Certain areas of the state require largescale operations to draw flood waters from metropolitan areas. The facility was unable to perform regular equipment maintenance and testing due to concern that asbestos fibers would be disturbed. Baseline and ambient operations air samples collected throughout the facility's interior and exterior provided data allowing the facility to perform maintenance and testing again. Following establishment of safe maintenance conditions, Mr. Latiolais prepared two set of project specifications to abate/stabilize deteriorating asbestos-containing materials and perform specialized cleaning throughout the subject structure. The end goal will be a safe working environment and fully operational storm water pump station.
02/21-03/21	Belle Chasse Bridge/Tunnel P3 Project – Belle Chasse, LA. Industrial hygienist responsible for the asbestos inspection of structures planned for demolition within a planned corridor.
02/20-12/20	Martin Behrman Elementary School – New Orleans, LA. Project manager responsible for the performance and coordination of turnkey hazardous materials services for an existing school campus scheduled for renovation/demolition. The project consisted of an approximately 78,000 square feet, three-story school building; an approximately 14,000 square feet, one-story, stand-alone gymnasium; and an approximately 1,400 square feet, single-story auxiliary building. Scope included an asbestos survey, lead-based paint inspection, universal waste survey, mold assessment, and limited site investigation of soils. Services performed included: asbestos survey, lead-based paint inspection, universal waste survey, mold assessment, limited site investigation of soils, hazardous materials removal specification, and asbestos abatement oversight and air monitoring.
11/19-12/19	Nashville Wharf - Port of New Orleans – New Orleans, LA. Industrial hygienist responsible for the sampling of cargo crane and pier coatings for heavy metals prior to restoration/improvement.

09/19-10/19	400 Edwards Warehouse Property - Port of New Orleans – New Orleans, LA. Project manager responsible for the performance and coordination of hazardous materials inspections within an approximately 200,000 square feet (s.f.), single-story warehouse structure; an approximately 5,000 s.f. two-story garage; and an approximately 1,200 s.f. single-story pump house structure.
05/19-06/19	Meadow Park and Carver Court Apartments – Lake Charles, LA. Project manager responsible for performing and coordinating turnkey hazardous materials services for two existing apartment complexes scheduled for renovation. The project consisted of lead-based paint and asbestos inspections of 45 duplex-style units and 76 single-family-style units and management of their subsequent asbestos abatement oversight and air monitoring.
10/17-03/19	HUD, via the Louisiana Housing Corporation's Neighborhood Landlord, Multi-family Restoration, and Baton Rouge Rebuilds Programs – Louisiana. Project manager responsible for the oversight, coordination, and completion of the NEPA 24 CFR Part 58 Environmental Review Record and associated lead-based paint inspections, asbestos inspections, and Phase I ESA's for 150 projects statewide. Project sizes ranged from renovation to new construction of single-family homes and large-scale multi-family developments within areas impacted by the Louisiana flood events of 2016.


Firm		Terracon Consultants, Inc.		
	Jason Maloney, PE Principal (Terracon)		Years of Relevant Experience with this Employer	17
			Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS/2008/Biological Engineering MBA/2021/Business Administration		
Active Registration Number / State / Expiration Date		0038094/LA/09.30.2025		
Year Registered		2013	Discipline	Environmental Engineering
Contract Role(s) / Brief Description of Responsibilities		<p>4. Environmental and Permitting Services. Jason has extensive project management experience of industrial hygiene projects; including small- and large-scale asbestos and lead surveys and abatement projects, indoor air quality assessments, mold evaluations, noise assessments and personal exposure assessments. Mr. Maloney has performed and overseen all aspects of hazardous building materials projects from initial inspections, development of technical specifications and bid documents, abatement and remediation oversight, clearance sampling and regulatory documentation. Mr. Maloney has also overseen restoration activities following water intrusion and disaster response projects from initial moisture mapping, development of mold remediation protocols, remediation oversight and post remediation verification assessments and clearance sampling related to indoor air quality. Mr. Maloney has overseen restoration projects which have included large big box retail stores and bank branches following storms or flood events, remediation of mold impacted hospital facilities and multi-floor restoration projects in large government buildings following water release events.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
11/18-04/20	BNSF Railway Bridge Surveys - Southern LA. Jason conducted asbestos surveys of several bridges throughout southern Louisiana for the BNSF Railway before planned renovations and upgrades to the railroad. Jason coordinated with BNSF Line Segment Supervisors and railroad inspectors to access railroad bridges, perform inspections, and collect samples without interruption of railroad services.			
12/17 – present	Port of New Orleans Environmental Consulting Contract – New Orleans, LA. Project manager and point of contact for this project. As part of this contract, Terracon provided as-need environmental site assessments, remediation, and compliance assistance in support of the Port of New Orleans's wide-ranging and complex multimodal operations from 2018 through 2020. In addition to serving as the Project Manager for the contract, Jason also served as the primary project manager for individual task orders in which Terracon provided environmental consulting services in various capacities, including on-site technical services for asbestos inspections, asbestos abatement design, wastewater sampling, and analysis and permitting compliance, and hazardous materials surveys. In addition to hazardous materials consulting services, Jason assisted in reviewing historical and regulatory files and records supporting highly sensitive and confidential proposed property acquisitions.			

08/17-03/18	Regional Transit Authority – New Orleans, LA. Project manager for this site. The site consists of the Regional Transit Authority’s (RTA) Canal bus garage facility, which contains two 2,600-gallon double-walled fiberglass reinforced plastic (FRP) waste USTs initially installed in June 1995. The USTs previously held waste oil (UST No 46333) and waste antifreeze (UST No 76334) associated with on-site bus maintenance activities. The contents of the USTs had previously been removed in preparation for UST closure. Jason oversaw and served as the UST Certified Worker during tank closure activities. Closure-in-place was the selected option for permanent UST closure due to the tank’s proximity to other active USTs located on-site and the location of the tanks under heavy-duty reinforced concrete parking for passenger buses. As the USTs were to be closed-in-place, LDEQ approved the use of soil borings for the collection of closure samples in accordance with the LDEQ UST Closure / Change in Service Guidance Document (May 2010). Terracon utilized concrete coring equipment and a hand-auger to advance borings on each side of the tank hold in previously identified locations. The sample analysis results indicated that all parameters analyzed were detected at concentrations below regulatory clearance criteria. Before closure-in-place, the tanks were cleaned using a high-pressure washer and vacuum truck. The USTs were then inerted and filled with an inert flowable concrete fill mix. The flowable concrete fill was added slowly to each tank through the product fill port until the fill was observed to overflow the manway on the other end of each tank. Upon completion of tank removal activities, Terracon submitted a Tank Closure report that included the required LDEQ closure document forms. LDEQ issued an NFA determination for the tank closure. The closure sampling and closure-in-place methods ensured site operations could maintain normal operations and limited impact on site conditions.
01/15-12/16	LSU Health Sciences Center - New Orleans, LA. Key member and local point of contact in managing a multi-year as-needed environmental and industrial hygiene consulting services contract with LSU Health Sciences Center New Orleans, Louisiana campus. Throughout this contract, Jason performed asbestos of each of the LSUHSC’s New Orleans campus buildings and assisted in producing the AHERA Management Plans. Jason has also performed site inspections for the production of a Spill Prevention, Control and Countermeasures Plan (SPCC). Additionally, Jason prepared and presented a training seminar to comply with federal training regulations for the LSUHSC facility services department. Jason has also assisted in coordinating and completing several asbestos abatements in various campus facilities.
08/12-10/14	600 Canal Street - New Orleans, LA. Project manager for the environmental services conducted for this project, which included a Phase I ESA, Asbestos Inspection, Lead-based Paint Survey, Mold Inspection, and Universal Waste Survey. He assisted in the development of lead and asbestos abatement specifications. Additionally, he consulted with the client to determine the appropriate scope of work to comply with their goal of a mixed-use residential, commercial, and professional facility.
05/15-07/18	The NOPSI Building - New Orleans, LA. Project manager and point of contact for the hazardous materials inspection and abatement and the New Orleans Public Service, Inc. (known as NOPSI) building located in the Central Business District (CBD) of New Orleans. The project site comprises three adjacent buildings: a 140,000-square-foot, eight-story building constructed in the 1920s, a two-story, 20,000-square-foot building, and a 17,000-square-foot three-story office building. This project included inspecting hazardous materials (including asbestos, lead-based paint, mold, and universal waste), developing a hazardous materials abatement specification, and abatement oversight and air monitoring. The project also included the waste characterization and disposal of 55-gallon steel drums, which remained on-site from previous subsurface investigations and hazardous materials abatements. Mr. Maloney worked closely with the building owner, general contractor, and abatement sub-contractors to oversee the proper abatement of hazardous materials in accordance with applicable federal, state, and local regulations.

Firm		Terracon Consultants, Inc.		
	Adam McEvoy Environmental Dept. Manager		Years of Relevant Experience with this Employer	8
			Years of Relevant Experience with Other Employer(s)	8
Degree(s) / Years / Specialization		NA		
Active Registration Number / State / Expiration Date		LDEQ Certified Asbestos Inspector; LDEQ Certified Asbestos Contractor/Supervisor; OSHA HAZWOPER 40 HOUR; NIOSH 582 Equivalency; LDEQ Lead Inspector		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		4. Environmental and Permitting Services. Adam has eight years of experience in the environmental consulting industry. He has been involved in Phase I Environmental Site Assessments (ESA), subsurface investigations, mold and indoor air quality consulting, lead-based paint inspections, lead clearances, asbestos surveys, and asbestos and lead-based paint abatement oversight and air monitoring. Adam is a certified LDEQ Asbestos Contractor/Supervisor and has overseen the abatement of asbestos for clients ranging from commercial banks to university facilities and commercial developers. Adam is also versed in lead-based paint sampling and abatement oversight, mold survey and sampling, and waste characterization..		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
01/18 – present	Louisiana Department of Transportation – Multiple Locations in LA. Adam conducted asbestos inspections at 15 structures planned for demolition within a planned corridor.			
01/18 – 09/22	Port of New Orleans – New Orleans, LA. Adam conducted a limited hazardous materials survey at the Julia Street Cruise Terminal and limited asbestos bulk sampling at the Harmony Street Wharf. For both projects, Adam performed visual assessments, physical assessments, and sampling of suspect ACM. At the Julia Street Cruise Terminal, Adam also collected samples of construction materials for waste characterization. He performed a universal waste survey to identify materials requiring special handling or disposal.			


Firm	Terracon Consultants, Inc.		
Taylor Pack Industrial Hygienist	Years of Relevant Experience with this Employer		1
	Years of Relevant Experience with Other Employer(s)		3
Degree(s) / Years / Specialization	BS/2021/Environmental Science		
Active Registration Number / State / Expiration Date	Lead Inspector (LA); Lead Risk Assessor (LA); Asbestos Inspector (LA); OSHA 40-Hr HAZWOPER		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Taylor is an environmental professional with over three years of experience in the environmental field, including experience in lead-based paint, asbestos, mold, IAQ sampling, Phase I ESAs, and LSIs.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
06/24-ongoing	Lead Hazard Reduction Program for East Baton Rouge, Baton Rouge, LA. Staff Industrial Hygienist. Responsible for management, report writing, and field work of lead inspections and risk assessments on approximately 250 residences. Sampling includes XRF analysis, dust wipe sampling, and soil sampling. Inspections are conducted as part of the Lead Hazard Reduction Program in Baton Rouge, LA to help reduce lead hazards in the community.
06/24-06/24	Tiger Point Apartment Complex, Baton Rouge, LA. Staff Industrial Hygienist. Responsible for management, report writing, and field work for asbestos and lead inspection for six apartment buildings totaling approximately 250 units. Sampling included bulk asbestos sampling and collection lead paint chips.
12/23-12/23	Baton Rouge Daycare, Baton Rouge, LA. Staff Industrial Hygienist. Completion of a lead risk assessment on an occupied daycare facility scheduled for renovation. Sampling included XRF analysis, lead paint chip sampling, dust wipe sampling, soil sampling, and lead in drinking water sampling. Responsibilities included project management, field services, and report writing.
07/23-10/23	Restore Louisiana, LA. Staff Industrial Hygienist. Completion of lead risk assessments for approximately 120 single-family homes. Sampling included XRF analysis, dust wipe sampling, soil sampling, and owner interviews. Inspections were completed as part of the Louisiana Hurricane Recovery program, Restore LA, in Lake Charles, Houma, New Orleans, and surrounding areas in south Louisiana addressing damage from Ida and Laura.
11/22-12/22	Louisiana Housing Corporation, Baton Rouge, LA. Environmental Project Manager. Provided asbestos inspection, lead inspection, and lead risk assessments compliant with HUD guidelines for abandoned homes to be renovated in Baton Rouge. Sampling activities included bulk asbestos samples, lead paint chips, lead analysis by XRF, lead dust wipes, and lead soil samples. Additionally, provided risk management and operation and maintenance plans for the sites.
08/21-08/21	Quality Inn and Suites, Port Allen, LA. Environmental Project Manager. Provided asbestos inspection, lead inspection, and Phase I ESA for renovating a hotel. Sampling included bulk asbestos and lead paint chips to identify potential ACM and LBP. Responsibilities included report writing and field services.
06/21-06/21	Leflore Legacy Academy, Greenwood, MS. Environmental Project Manager. Provided asbestos inspection, lead inspection, and Phase I ESA for a private school to be renovated. Sampling included bulk asbestos and lead paint chips to identify potential ACM and LBP. Responsibilities included report writing and field services.

Firm		Terracon Consultants, Inc.		
	Gregory Pellerin Assistant Geologist		Years of Relevant Experience with this Employer	2
			Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization		BS/2014/Earth and Environmental Science		
Active Registration Number / State / Expiration Date		Radiation Safety Training; Power safe Training; Basic Plus; 10-Hour OSHA Training		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		<p>4. Environmental and Permitting Services. As assistant geologist for Terracon New Orleans, Greg has experience in construction and geotechnical exploration and investigation. Greg's construction and geotechnical experience includes; soil logging, proof rolls, subgrade observations, in-place density testing, drilled shaft installation monitoring, driven pile foundation installation logging, grout field testing, concrete compressive strength field testing, concrete observations, sample testing, and seismic monitoring. Greg also has experience performing laboratory testing, including proctors, Atterberg limits, specific gravities, soil and aggregate gradations, organic contents, unconfined compressive strength, unconsolidated undrained triaxial, and moisture contents. He also tests compressive strength on all concrete cylinders, grout prisms, and mortar cubes.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
11/21-12/21	I-10 Lake Charles - Lake Charles, LA. Mr. Pellerin was responsible for coordinating and managing the field investigation, which consisted of soil borings up to 170-feet in depth. He coordinated the field investigation in accordance with DOTD requirements as the soil borings were performed adjacent to the interstate. Mr. Pellerin also served as the field geologist during the soil borings by collecting soil samples and performing field classification of soil samples.			
01/22-02/22	Legacy Buildings Asbestos Abatement – Xavier University New Orleans, LA. Mr. Pellerin performed asbestos abatement consulting services and air monitoring during a multi-phase renovation of three historical structures.			
12/20-01/21	Weapons Storage and Maintenance Facility at Barksdale AFB - Shreveport, LA. Mr. Pellerin was brought on site to oversee soil boring production and collected and logged soil samples in the field for soil borings. He classified and stratified the soils in the field based on consistency and character. After exploration was completed, Greg conducted various lab tests on the samples including atterbergs limits, gradations, and unconfined compressive strength testing of soils to help define soils and build lithology logs that were used in the final geotechnical report.			
4/21-5/21	Project Cosemeaux - Shreveport, LA. For this project Mr. Pellerin coordinated CPT and soil boring production for more than 80 exploration locations. He also collected and logged soil samples in the field for soil borings. He also classified and stratified the soils in the field based on consistency and character. After exploration was completed, Mr. Pellerin conducted various lab tests on the samples including atterbergs limits, gradations, and unconfined compressive strength testing of soils to help define soils and build lithology logs that were used in the final geotechnical report.			
01/21-02/21	SHV1 - Shreveport, LA. This project consisted of an approximately 135-acre site for the development of a distribution facility. For this project Mr. Pellerin coordinated CPT and soil boring production for more than 60 exploration locations and also collected and logged soil samples in the field for soil borings. He also classified and stratified the soils in the field based on consistency and character. After exploration was completed Mr. Pellerin conducted various lab tests on the samples including atterbergs limits, gradations, and unconfined compressive strength testing of soils to help define soils and build lithology logs that were used in the final geotechnical report.			


6/21-7/21	Jean Lafitte Canal Backfill - Barataria, LA. This project consisted of the development of design alternatives for the restoration of up to 16.5 miles of dredged canals within the Barataria unit of JELA. For this project he coordinated soil boring production for more than 20 exploration locations and also collected and logged soil samples by fan boat in the field. Mr. Pellerin classified and stratified the soils in the field based on consistency and character. After exploration was completed, he conducted various lab tests on the samples including atterbergs limits, gradations, and unconfined compressive strength testing of soils to help define soils and build lithology logs that were used in the final geotechnical report.
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Firm	Terracon Consultants, Inc.		
Cody Vanderlick Field Engineer	Years of Relevant Experience with this Employer		1
	Years of Relevant Experience with Other Employer(s)		4
Degree(s) / Years / Specialization	BS / 2018 / Petroleum Engineering		
Active Registration Number / State / Expiration Date	Lead Inspector (LA and TX) / Lead Risk Assessor (LA and TX)		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. <i>Cody provides field inspection services and report writing...</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
06/23-05/24	Opportunity Home San Antonio – San Antonio, TX. Staff responsible for lead-based paint inspections and risk assessments for multiple low-income housing authority properties throughout San Antonio, TX as part of the housing authority's grant funding projects for property improvements. To date, Terracon has completed 7 properties consisting of 200 residential dwelling units to 685 residential dwelling units for each property.		
03/23-04/24	Workforce Group's Restore Louisiana – Multiple Locations, LA. Staff responsible for lead-based paint inspections and risk assessments for approximately 150 residential structures in southeast Louisiana.		


Firm		Trinity Tree Consultants	
	Scott Courtright Arborist	Years of Relevant Experience with this Employer	18
		Years of Relevant Experience with Other Employer(s)	10
Degree(s) / Years / Specialization	MS / 2021 / Urban Forestry BS/ 1996 / Forest Management		
Active Registration Number / State / Expiration Date	Certified Arborist #0802 / Louisiana Louisiana State Contractor, Landscaping, Grading and Beautification #77850 / Louisiana		
Year Registered	1998	Discipline	Arboriculture
Contract Role(s) / Brief Description of Responsibilities	4. Environmental and Permitting Services. Scott is owner and founder of Trinity Tree Services. He brings cross-functional expertise in diverse ecological arenas, having managed projects at multiple industrial sites, leading staff through challenging environmental scenarios. He specializes in arboricultural consulting including appraisals, tree inventories, tree preservation, construction specifications, tree evaluations, tree management plans, and plant health care. He is a wetland restoration expert, and has participated as a keynote speaker in conferences addressing urban forestry/arboriculture, GIS technologies, SPCC Plans, and EPA-led Facility Response Plans.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/06 - present	<p>Provide services related to forestry, arboriculture, wildlife, ecology, and phytoremediation services within the gulf coast region. Through experience and education, our business addresses the needs of our clients in multiple sectors of society, residential, commercial, industrial, and governmental. Projects include:</p> <ul style="list-style-type: none"> - Provide Expert Witness Services for Arboricultural Litigation cases - Manage the Arboricultural needs at Ellendale Plantation. - Site Phytoremediation Arborist at American Airlines, Tulsa Operations - Site Phytoremediation Arborist at Combustion, Inc., Livingston Parish, Louisiana - Site Phytoremediation Arborist at Helen Kramer Superfund Site in New Jersey - Site Phytoremediation Arborist at Ethyl Baton Rouge, Louisiana - Site Forester/Wildlife Manager at two tracts- Texas and Kentucky - Provided Arboricultural training at multiple Seminars for Louisiana State University's Arboriculture Continuing Education Courses and Southern University Dendrology Course/Intro to Urban Forestry - Provide Arboricultural Guidance on roadway improvement projects. - Deliver presentations at various conferences and meetings via webinars and seminars. - Provide Plant Health Care Services to various clients. - Sub-Contractor to QRI to perform, Forest Inventory, Timber Stand Improvement, FLIR Survey for Cattle and White-Tailed Deer Populations, Forest Restoration Planting Survey, American Chestnut Survey for Multiple U.S. Military Installations. 		

01-2021 - present	LADOTD Arboricultural Consultant for I-10 widening project through Baton Rouge, CMAR- Subcontracted to Reich and Associates, under Huval- part of the Design Team to evaluate Trees along the corridor- Perkins Road to Interstate I-10 Mississippi Bridge-2021-Present.
01/07 - present	<p>Expert Witness. Examples include:</p> <ul style="list-style-type: none"> - Doyle Maxwell versus Keller McKnown, State Farm Insurance Company and State of Louisiana through the Department of Transportation and Development, Docket no. 34828, Division "B", 20th Judicial District Court, East Feliciana Parish, Louisiana. Expert Witness on a fatality involving a vehicle traveling along LA Highway 68 in Slaughter. A Zachary resident was traveling in her vehicle northbound on LA Highway 68, when a spontaneous failure occurred on a tree bordering the highway servitude. The tree split, and a large limb fell onto the vehicle as it passed underneath killing the driver. Scott was called to evaluate the tree and provide a professional opinion as to the cause of failure. - Kleinpeter v RAMCO/DEMCO, # 149763-D, 21st JDC, Inspection of Subject Trees- Scott conducted an inspection of several trees that were pruned as a part of routine utility clearance work. The subject trees were in the rear yard of Mr. William Kleinpeter. Mr. Kleinpeter was seeking damages due to the pruning activities that were conducted on his trees in September of 2014. Scott was contracted as a Consulting Arborist to inspect the trees, evaluate their health and offer an opinion as to the condition of the subject trees at the present
01/08 - 12/15	<p>While employed at AECOM, provided ecological and environmental services and regulatory guidance to industrial, state and various client profiles; to develop a focused business development plan for Coastal Restoration in the Gulf Coast Region, with a specific focus on Louisiana. Projects included:</p> <ul style="list-style-type: none"> - Environmental Site Manager/Emergency Response Manager for Texas Brine, LLC for the Louisiana Sinkhole in Assumption Parish, LA (approximately \$ 25M spend while managing) - Provided Arboricultural Expert Witness for FEMA in the West Feliciana Response to Hurricane Gustav Damages and debris removal, approximately, \$ 3.5 Million case. - Provided Arboricultural Evaluation and Federal Court Expert Witness Testimony for FEMA in the Arbitration case involving Livingston Parish's Response to Hurricane Gustav debris removal, approximately, \$ 59 Million case. - Lead all Ecological activities for Mississippi Development Authority (MDA) in the response to Hurricane Katrina Damages under NEPA - Designed and implemented the ecological restoration of approximately 6 acres for Phillips 66 Lake Charles, LA - Site Arborist for EPA Phyto-Remediation site in South LA - Marathon Petroleum, Corporate Emergency Response Team- Subject Matter Expert, Threatened and Endangered Species and Wetland Ecology


6. Surveying Services and ROW Maps *(See Section 14)*

Firm C. H. Fenstermaker & Associates, L.L.C.			
 Travis Bodin, MBA, PLS, PMP (MPR 6 &) Vice President, Survey and Mapping	Years of Relevant Experience with this Employer 19		
	Years of Relevant Experience with Other Employer(s) 1		
Degree(s) / Years / Specialization	BS/2004/Industrial Technology MBA/2021/Business Administration		
Active Registration Number / State / Expiration Date	5067/LA/03.31.2026		
Year Registered	2011	Discipline	Professional Land Surveyor
Contract Role(s) / Brief Description of Responsibilities	MPR 6 and 7. 6. Surveying Services and ROW Maps. <i>Travis has extensive surveying, management, and coordination experience. He has served as the Lead Professional Land Surveyor for projects across Louisiana. His responsibilities have included the management of surveying/ROW services, utility relocation coordination, coordinating with parish, state, and federal agencies and sub-consultants, cost estimating, scoping, scheduling and planning, resource management, and construction management services. With his background in surveying and project management, Travis has performed and participated in multi-million-dollar projects consisting of large scale topographic and bathymetric surveys, development of high accuracy GPS networks, landowner notification and documentation, the development of DTM, infrastructure documentation, GIS integration, and process and procedure development. Travis has conducted management duties for both field and office activities on survey and engineering projects.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
09/13 – 01/19	LADOTD Permit No. 153198, 153357, 153587: Sasol LCCP-Heavy Haul Road Engineering and Construction (LA378 & LA379), Calcasieu Parish, LA. Travis served as Lead Surveyor providing topographic, boundary, and route surveying to aid in the coordination with public and state agencies for the construction of a \$60MM, 2.4-mile roadway. Services include mapping for the acquisition of agreements between Sasol and third-party utilities, platting for acquisition and dedication of property needed for various construction activities and state agencies, and Quality Control of construction activities that were conducted which included monument review and location mapping. Fenstermaker's survey tasks included topographic survey, ROW acquisition and mapping, generating parcels, acquiring 100+ parcels, and using laser scanning of manholes and ground penetrating radar for subsurface engineering. Travis was responsible for field coordination, data processing, ROW generation, servitude and ROW mapping and topo surveys.		
05/19 – 03/21	S.P. H.005967 Port of Lake Charles Rail at W. Sallier St., Calcasieu Parish, LA. Fenstermaker completed the topographic and boundary surveys, established control, processed data, reviewed title reports, established property boundaries, and mapped encumbrances for the ~0.75 miles Railroad Relocation. LADOTD survey feature codes were utilized for this project, and LADOTD right-of-way maps along with COGOWIN legal descriptions were created. Travis served as Project Principal and performed quality assurance and quality control tasks for this project.		
04/13-10/20	Acadiana Regional Airport Access Road, Iberia Parish, LA. This project included the design of a new roadway beginning at the intersection of LA 3212 (Prairie Rd) and Grand Prairie Rd with an approximate 1,300-foot extension that intersects with LA 675 (Jefferson Island Rd). Significant features of this project include a 5-legged roundabout, a boulevard extension, and outfall channel regrading. Travis served as Project Surveyor.		


06/12-present	S.P. No. H.006459 Roundabout at Churchpoint/Roddy Road, Ascension Parish, LA. Travis is serving as the Survey Lead on the design and re-design of this roundabout project. Feasible project concepts were developed along with estimated construction costs for each concept, including right of way acquisition and utility relocation costs. Right of Way Map requirements were set forth by the LADOTD "Location & Survey Manual Addendum A". Travis directed all surveying efforts, ROW mapping, and surveying other tasks.
07/14-10/17	LADOTD Permit No. 153351, 153352, 153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (LA384 & LA385), Calcasieu Parish, LA. Fenstermaker was contracted by Trunkline LNG for their plant expansion, drainage analysis and channel relocation. Fenstermaker completed a HEC-RAS model to determine the impacts of rerouting a major drainage channel that traversed the proposed expansion site. Fenstermaker performed topographic and boundary survey, generated right of way maps, and coordinated and managed utility relocations. Travis was responsible for DTM generation and establishing the project controls, coordination of utilities and survey field activities, as well as processing all the data collected.
07/13-08/15	S.P. No. H.010620: US 90 (I-49 South) Albertson Pkwy to Ambassador Caffery Design-Build, Lafayette Parish, LA. Fenstermaker was the Design Engineer for James Construction. Travis was the Surveyor responsible for managing all topo surveying provided by the sub-consultant on the improvements to the roadway. Some of the main elements of the six-lane mainline roadway project include an overpass at the BNSF Railway, a grade separation at Albertson's Pkwy and improved connectivity between US 90 and LA 182.
12/08 – 07/18	LADOTD Permit No. 03030387: Kaliste Saloom Road Widening, Intersection Improvements, Bridge, and CE&I (LA 3073 to LA 733) (Amb. Caffery to E. Broussard Rd), Lafayette Parish, LA. Travis served as the Surveyor Project Manager. Fenstermaker performed the topographic survey of all cross street and road tie-ins, cross sections for the purpose of an existing elevation DTM and parcel boundaries effected by the ROW. Travis was responsible for field crew coordination, topo/boundary surveys, ROW plats, monuments, data processing, plats and legal descriptions.
10/12-05/14	US 190 & 4-H Club Rd (LA 1032) Turn Lanes, Livingston Parish, LA. This project involved the construction of an additional turning lane along 4-H Club Roadway. Fenstermaker was responsible for creating construction plans, and Travis served as the Lead Surveyor, responsible for coordinating the survey crew to collect topography, boundary information, and drainage information. He also coordinated with the title abstractor and processed the survey data into a LADOTD format for use in CAD.
04/20-present	Louisiana Watershed Initiative Region 4, De Soto, Sabine, Vernon, Rapides, Beauregard, Allen, Jefferson Davis, Calcasieu, and Cameron Parishes. Travis is serving as the Lead Surveyor for the Louisiana Watershed Initiative Region 4, an unprecedented project that will manage the future flood risk in the State of Louisiana through watershed-based solutions. Travis's responsible for all aspects of surveying, data collection, and management to successfully complete an interactive, usable, and manageable hydraulic and hydrologic Region 4. These models will consider the degree to which communities within a watershed are hydraulically and hydrologically connected, and will lead decisions regarding land use, policy, and infrastructure must now be coordinated, made, and implemented at the watershed level if flood risk is to be effectively managed.
04/13-10/20	Acadiana Regional Airport Access Road, Iberia Parish, LA. This project included the design of a new roadway beginning at the intersection of LA 3212 (Prairie Rd) and Grand Prairie Rd with an approximate 1,300-foot extension that intersects with LA 675 (Jefferson Island Rd). Significant features of this project include a 5-legged roundabout, a boulevard extension, and outfall channel regrading. Travis served as Project Surveyor.

Firm		C. H. Fenstermaker & Associates, L.L.C.		
	Justin Bordelon, PLS		Years of Relevant Experience with this Employer	17
	Surveyor		Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization		BS/2009/ Business Administration		
Active Registration Number / State / Expiration Date		5271/LA/03.31.2026		
Year Registered		2021	Discipline	Professional Land Surveyor
Contract Role(s) / Brief Description of Responsibilities		<p>6. Surveying Services and ROW Maps. Justin is a Professional Land Surveyor in Louisiana. His initial surveying work included performing underwater acoustic investigations and hydrographic surveys. As he gained more experience, Justin became Fenstermaker's underwater acoustic investigation manager and worked on many projects, including an inspection of over 100 bridges for the Louisiana Department of Transportation and Development. He then became a Survey Crew Manager and managed crews in Lafayette, Shreveport, and Midland, TX. Justin currently coordinates and supervises activities of field and office personnel for remote sensing projects. He also acts as Project Manager and assists in pre-project planning and post data collection analysis. Additionally, he is responsible for client interaction and coordination.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
01/12-05/14	Underwater Acoustic Imaging for Bridge Inspection Statewide, Louisiana. Fenstermaker was contracted to provide Underwater Acoustic Imaging (UAI) services for the underwater bridge inspection of pier systems for 72 state-maintained bridges. The project scope consisted of an underwater acoustic inspection and evaluation of the submerged components of the piers utilizing a multi-axis, steered beam imaging, and profiling remote sensing system with all acoustic data correlated to a Real Time Kinematic (RTK) GPS positioning system. The purpose of the inspection and evaluation was to identify and locate any major damage or deterioration of the pier structures along with a detailed localized inspection of any observed anomalies using both the acoustic imaging system and dive inspection; and to identify any localized scour impact or erosion of the surrounding water bottom. Justin served as the Manager Field Team responsible for the management of all field resources (personnel and equipment) and the quality and accuracy of all field data collection activities.			
05/19-05/19	Port of Lake Charles Rail at W. Sallier St., Calcasieu Parish, LA. Fenstermaker completed the topographic and boundary field surveys, established control, post-processed data, reviewed title reports, established property boundaries and mapped encumbrances for the approximately 0.75-mile Railroad Relocation for the Port of Lake Charles in Lake Charles, Louisiana. LA DOTD survey feature codes were utilized for this project, and LA DOTD Right of Way maps along with COGOWIN legal descriptions were created. The maps followed the specifications set forth in the LA DOTD Location & Survey manual in conjunction with direction from LA DOTD agents. Maps went through LA DOTD's internal review process and have been accepted for final recordation. Justin was responsible for field coordination for this project.			
03/15-07/18	Sasol LCCP-Heavy Haul Road (LA378 & LA739), Calcasieu Parish, LA. This Fluor contract entailed engineering and consulting services which included the design of a 2.4-mile heavy haul route that will be utilized to transport oversized modules from the Calcasieu River to the proposed plant site in Westlake, Louisiana. Justin was responsible for managing laser scanning projects, setting up a control network, and field crew coordination.			


04/22-present	Louisiana Terminal Site Topographic Survey and Utility Mapping, St. Bernard Parish, LA. Fenstermaker was selected by the Port of New Orleans to perform topographic survey and utility mapping services for a port terminal project in St. Bernard Parish, LA. The topographic survey was conducted using aerial LiDAR and orthorectified aerial imagery to gather precise data for conceptual designs and permit applications. Additionally, Fenstermaker carried out a bathymetric survey of the wharf project survey area and a magnetometer survey within the defined limits. In the utility mapping aspect of the project, Fenstermaker obtained relevant data from utility owners regarding underground utilities, such as water, sanitary sewer, storm drainage, electrical, gas, telephone, streetlight, and bridge infrastructure. Justin served as the Project Manager and oversaw various responsibilities. He coordinated site visits, managed project planning and scheduling, reviewed the control network, acquired DOTD permits for deep rod monuments, and coordinated field crews. Additionally, he reviewed the collected data, prepared reports, and ensured the timely delivery of final deliverables for the project.
11/20-05/22	New Orleans Outfall Canals Survey (SLFPA), Orleans Parish, LA. Justin served as the project manager to map out the New Orleans Outfall Canals utilizing Multibeam and LiDAR technology for erosion detection and monitoring. Tasks included coordination with the Flood Protection Authority, coordinating and scheduling field crews, overseeing office data processing and deliverable generation.
04/19-05/19	Port of Lake Charles City Docks Survey (Bulk Terminal 1 Bathymetric Surveys), Calcasieu Parish, LA. Fenstermaker was contracted by Port of Lake Charles to perform bathymetric surveys using a single-beam dual-frequency echosounder to determine existing water bottom depths adjacent to the following dock locations: City Docks; Port Aggregate BT-4; and Bulk Terminal No. 1. Justin managed the field survey crews, quality control of survey data and maps/plats and assisted with the field bathymetric survey with single beam.
04/18-05/18	I-10: Texas State Line – E. of Coone Gully Roadway Lighting, Calcasieu Parish, LA. Justin served as Project Manager on this project. As a sub to Modjeski & Masters, Fenstermaker provided professional surveying services for this project, which entailed widening 10.5 miles of I-10 to six lanes from the Texas state line to east of LA 108, replace and widen 10 bridges, and replace the eastbound weigh-in-motion system. Specifically, Fenstermaker performed a utility location survey for both subsurface and above-ground existing utilities and a Mobile LiDAR Survey to capture 3D topographic data including existing ground and hard surfaces. Additionally, Fenstermaker collected data on existing drainage structures, communication towers, billboard signs, trees, other overhead structures, and on the edge of the existing roadway/pavements.
08/18-09/18	Hydrographic Survey on the Mississippi River at the Meraux Fleet Site, Orleans Parish, LA. Fenstermaker was contracted by Turn Services, LLC to perform a recurring hydrographic survey along the right descending bank of the Mississippi River at the Meraux Fleet site in Meraux, Louisiana to determine the existing water bottom utilizing a CB100 single beam echosounder. Justin served as the project manager and coordinated the single-beam bathymetric survey, processed the collected data, reviewed processed datasets, and prepared and submitted deliverables to the client.
03/21-09/21	LSU University Lakes Project, East Baton Rouge Parish, LA. Fenstermaker performed bathymetric, topographic and stump identification surveys in preparation dredge the six LSU lakes. Justin served as the Project Manager and coordinated and supervised the activities of field and office personnel. He also coordinated with the client and LSU on the project's progress and scheduling.
09/20-10/20	Post Hurricane Laura & Delta Survey, Calcasieu Parish, LA. Justin served as the Project Manager for the Post Hurricane Laura & Delta Survey for the Port of Lake Charles to determine damage and debris in the Calcasieu Ship Channel after Hurricane Laura and Delta. Tasks included coordination with the POLC Director, coordinating and scheduling field crews, overseeing office data processing and deliverable generation.

		Firm C. H. Fenstermaker & Associates, L.L.C.	
Bradford Millett, PLS, EI Surveyor		Years of Relevant Experience with this Employer	10
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS/2014/Civil Engineering	
Active Registration Number / State / Expiration Date		PLS 5245 / LA / 03.31.2025 EI 32848 / LA / 09.30.2024	
Year Registered		PLS – 2020 EI - 2016	Discipline Professional Land Surveyor, Engineer Intern
Contract Role(s) / Brief Description of Responsibilities		6. Surveying Services and ROW Maps. <i>Bradford is a Professional Land Surveyor at Fenstermaker whose responsibilities consist of field crew coordination, data collection and processing, preliminary layout and design of boundary and right of way plats, ALTA surveys and Development and Planning subdivision platting process. Her experience also includes project management as well as public meetings, client relations, utility coordination, and other components associated with surveying services. Ms. Millett is currently serving as the Survey Project Manager for LWI Regions 4, 5, and 6, and the IJJA Off-System Bridge Program Dist. 03.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
09/13-10/19	Sasol LCCP-Heavy Haul Road (LA378 & LA739) (Calcasieu Parish, LA) This was a \$12.9 million contract with Fluor for engineering and consulting services which include the design of a 1.5-mile heavy haul route that will be utilized to transport oversized modules from the Calcasieu River to the proposed plant site in Westlake, Louisiana. Bradford was responsible for topographic and boundary data collection and data processing, as well as the generation of Louisiana Department of Transportation and Development Right of Way Maps for the 1.5-mile corridor to acquire servitudes and right of ways.		
12/19-12/21	LA 675 Roundabout and Acadiana Regional Airport Access Road (Iberia Parish, LA) This project includes the design of a new roundabout at the intersection of LA 675, US 90 Frontage Road, and the Acadiana Regional Airport Access Road. Ms. Millett served as Lead Surveyor responsible for the topographic and boundary surveys, as well as the development and review of right of way maps.		
05/19 – 03/21	S.P. H.005967 Port of Lake Charles Rail at W. Sallier St. (Calcasieu Parish, LA) Fenstermaker completed the topographic and boundary field surveys, established control, processed data, reviewed title reports, established property boundaries and mapped encumbrances for the approximately 0.75-mile Railroad Relocation. LADOTD survey feature codes were utilized for this project, and LADOTD Right of Way maps along with COGOWIN legal descriptions were created. Bradford served as the Project Manager.		
	Infrastructure Investment and Jobs Act (IJJA) Off-System Bridge Program District 03 (Acadia, Evangeline, Iberia, Lafayette, St. Landry, St. Martin, St. Mary, and Vermilion Parishes, LA) LADOTD selected Fenstermaker to provide engineering services for the replacement of 14 bridges in District 03. Fenstermaker's services include researching eligible structures, coordinating with local stakeholders, and selecting structures for inclusion in the IJJA Off-System Bridge Program. Bradford coordinated survey crews, processed collected survey data, reviewed boundary and topographic data, reviewed control sketches, and prepared survey deliverables for LADOTD.		
05/14-11/17	LADOTD Permit No. 153351,153352,153353: Lake Charles LNG Traffic Impact Analysis and Road Improvements (Calcasieu Parish, LA) Fenstermaker was responsible for designing road improvements at various locations to support anticipated construction traffic associated with the expansion of the Lake Charles LNG, G2X, and Magnolia Facilities. Topographic and boundary surveys, right of way maps, as well as coordinating and managing utility relocations were performed by Fenstermaker. Bradford prepared survey requests, coordinated survey crews, reviewed, and processed survey data, prepared right of way maps, and coordinated with utility companies.		


02/18 – 04/20	Churchpoint Road at Roddy Road Roundabout Study, Design, and Redesign (Ascension Parish, LA) Fenstermaker completed a roundabout study at Churchpoint Road and Roddy Rd. Following LADOTD's approval, Fenstermaker began final design. Bradford coordinated with survey crews, processed data, completed preliminary boundary layouts, and developed ROW maps for this intersection.
05/13 – 02/20	US 90 (I-49 South) Albertson Pkwy to Ambassador Caffery Design-Build (Lafayette Parish, LA) This project was a proposed upgrading of a portion of US 90 in Lafayette Parish to a six-lane controlled access facility to also include improvements to the existing east and westbound frontage road system, construction of a new six-lane US 90 overpass structure over both Albertson Parkway and the existing Burlington Northern Santa Fe Railway facility, and construction of all associated US 90 mainline ramps needed to connect these overpass structures and frontage roads. Bradford was responsible for reviewing all LADOTD right-of-way maps.
04/15-02/19	Coach Williams Blvd. Extension (Calcasieu Parish, LA) This project consisted of design services for the extension of Coach Williams to connect to Houston River Road (LA 379). Fenstermaker is the prime on this project and is responsible for the environmental assessments prior to design, drainage design, pavement design, and the geometrics of the road. In addition, Fenstermaker conducted the surveying required to design the road. Bradford's responsibilities included coordinating and reviewing appraisal reports and plats, coordinating all the topographic and boundary surveys, processing data and coordinating with utility companies within the proposed route.
07/13-09/17	Kaliste Saloom Road Widening, Ambassador Caffery Pkwy to E. Broussard Rd, (Lafayette Parish, LA) Fenstermaker was responsible for the widening of approximately two miles of Kaliste Saloom Road, a highly congested major arterial roadway located in the center of the City of Lafayette. The project included drainage outfall construction, utility relocations, and roadway construction. Fenstermaker is the direct responsible charge of all design components and construction management for improvements. Bradford assisted with topographic and boundary surveying, utility relocation, right of way plats, drainage design, as-built surveys, and coordination of survey crews.
05/15-11/21	Ham Reid Road Extension (Calcasieu Parish, LA) Ham Reid Road is a two-phase, \$14.25 million construction project that includes a unique 1-mile asphalt roadway corridor, incorporating walkability and green infrastructure. The corridor includes a 2-lane boulevard section with a roundabout located at the intersection of Ham Reid Road and LA 384/Nelson Road. Bradford was responsible for creating survey exhibits, processing survey data, and setting up and updating the project's Falling Weight Deflectometer tests.
11/23-ongoing	Hangar Road Extension & LA Highway 3212 Improvements (Iberia Parish, LA) This project focuses on extending Hangar Drive to LA 3212 and includes intersections at Hangar Drive and Tower Drive, and at Hangar Drive and LaSalle Street in New Iberia. It involves the installation of new left turn lanes at two entrances to the First Solar manufacturing facility along LA 3212. The project also involves the realignment of Leon Landry and an extension of Hangar Drive at the intersection of LA 3212. Fenstermaker provided engineering design services for the extension and improvements along the state highway. Fenstermaker also provided boundary survey services for the project site. Bradford reviewed drafted boundary plats, reviewed and mapped servitudes, made revisions to legal descriptions, and certified and submitted boundary plants and legal descriptions.

Firm Lazenby & Associates, Inc.				
	Paul D. Fryer, PE, PLS (MPR 7)		Years of Relevant Experience with this Employer	38
	Senior VP, Lazenby		Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization		B.S. / 1984 / Civil Engineering		
Active Registration Number / State / Expiration Date		P.L.S. 0004806/ Louisiana / 09/30/2025 P.E. 0023426 / Louisiana / 09/30/2025 LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making		
Year Registered		PLS 1970 / P	Discipline	Professional Land Surveyor / Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		<p>MPR 7. 6. Survey Services and ROW Maps. Paul has over 38 years of experience in planning, surveying, design, estimating, and construction administration of transportation facilities. Paul is familiar with LDOTD and AASHTO design standards for roadway design and plans development. Paul has performed professional engineering and surveying services on a variety of projects involving line and grade studies, major investment studies, and Stage "0" studies as well as topographic surveys, property surveys and development of ROW maps. Paul has extensive experience in developing preliminary and final roadway plans on a variety of LDOTD projects, and has served as a QA-QC role on many different projects throughout his career. Paul meets MPR Requirement No. 7.6.</p> <p>Paul is familiar with the LDOTD Location Survey Manual for conducting topographic surveys, property surveys and developing right-of-way maps. Paul has been involved in the development of right-of-way maps for various LDOTD projects for over 20 years.</p>		
Experience Dates	Experience and qualifications relevant to the proposed project.			
01/96 – 09/96	State Project No. 038-03-0022: US 425 (Bastrop – Cabin), Morehouse Parish. Paul prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 3.2-mile segment of US 425 to four lanes.			
04/96 – 12/96	State Project No. 038-03-0024: US 425 (Lafayette – Junction LA 142), Morehouse Parish. Paul prepared preliminary roadway and bridge plans for expanded line and grade study. This project involved widening a 5.2-mile segment of US 425 to four lanes.			
04/95 – 03/00	State Project No. 043-01-0017: Ducros River and Relief Bridges, Jackson Parish. Paul prepared preliminary and final roadway plans. This project consisted of the construction of two voided slab span bridges (main bridge and relief structure) and roadway approaches on new alignment.			
11/95 – 06/00	State Project No. 172-01-0011: Bayou DeGlaise Bridge, Morehouse Parish. Paul prepared preliminary and final roadway and final roadway plans. This project consisted of the construction of a slab span bridge and roadway approaches on new alignment.			
01/97 – 10/99	State Project No. 026-05-0017: LA 15 (Sicily Island – Jct. LA 913), Catahoula Parish. Paul was responsible for preparation of preliminary and final roadway and bridge plans. This project consisted of widening a 4.5-mile segment of LA 15 to four lanes as part of the LA TIMED Program.			

01/04 – 05/07	State Project No. 700-30-0061: US 167, Lillie to Arkansas State Line, Union Parish. Paul served as project manager, roadway designer, and surveyor responsible for development of final roadway plans, and right-of-way maps. This project consisted of the conversion of a 7.2-mile section of a rural two-lane arterial route to a four-lane divided arterial route under the LA TIMED Program.
10/07 – 04/16	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Paul served as project manager, was responsible for QA-QC of the plans, and was surveyor in charge of right-of-way maps. This project consisted of widening a 3.2-mile portion of LA 616 from a two-lane section to a five-lane urban roadway, and included four multi-lane roundabouts.
07/10 – 05/18	State Project No. H.003854: Bossier North-South Corridor from Route I-220/Swan Lake Road Interchange to Crouch Road, Bossier Parish. Paul served as project manager, was responsible for QA-QC of the plans, and was the surveyor in charge of right-of-way maps. This project consisted of reconstruction and realignment of a 3.7-mile section of Swan Lake Road and construction of a new 4.2-mile roadway connecting Swan Lake Road and Crouch Road. The southern portion of the project contains an urban three-lane section, while the northern segment is a rural, two-lane roadway. There are three bridge sites on this project.
02/18 - Present	State Project No. H.007300: Kansas Lane Connector and I-20 Improvement, Ouachita Parish. Paul serves as project manager, is responsible for QA-QC of roadway plans, and prepared right-of-way maps for the widening of a section of Garrett Road crossing I-20 and connecting to Kansas Lane at the south of Millhaven Road and the Kansas Lane road track to a four-lane arterial route. This project includes the design of five-multi lane roundabouts, as well as interstate highway improvements and frontage road realignments and improvements. Final plans for this project are 98% complete.
05/08 – 05/12	State Project No. H.004780.5 – Kansas Lane Connector, Route US 80 to US 165) City of Monroe Urban systems, Ouachita Parish. Paul served as project manager and surveyor responsible for conducting topographic surveys, property surveys, and developing right-of-way maps as a sub-consultant to Denmon Engineering. This project involves construction of a four-lane urban arterial route around the University of Louisiana at Monroe connecting US 80 on the south end and US 165 on the northern end.
11/10 – 05/13	Project Surveyor for Contract No. 4400000685: Retainer Contract For Professional Surveying Services - Statewide. This retainer contract authorized 23 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/08 – 04/11	Project Surveyor on Contract No. 4400000638: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 15 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
11/11 – 01/15	Project Surveyor on Contract No. 4400001328: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 3-year period.
03/18 – 03/23	Project Surveyor on Contract No. 4400001328: Retainer Contract For Professional Surveying Services – Statewide. This retainer contract authorized 25 task orders for topographic surveys, property surveys and ROW maps over a 5-year period.
08/22 – present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Paul was responsible for QA-QC of roadway plans for this project, which consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Bogalusa, Louisiana. This project is being funded by the Ouachita Parish School Board, and will be constructed under a LDOTD Project.

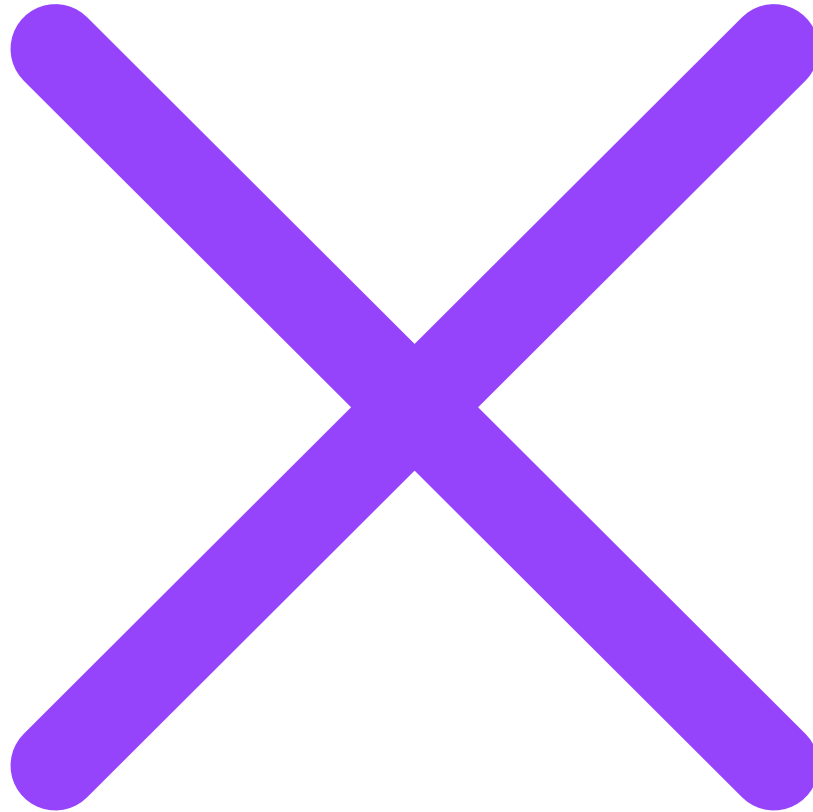
Firm		Lazenby & Associates, Inc.		
	Jerry G. Lazenby, PE, PLS		Years of Relevant Experience with this Employer	41
	President, Lazenby		Years of Relevant Experience with Other Employer(s)	16
Degree(s) / Years / Specialization		B.S. / 1965 / Civil Engineering		
Active Registration Number / State / Expiration Date		P.L.S. 0002313/ Louisiana / 03/31/2026 P.E. 0012104 / Louisiana / 03/31/2026 LA Specific Traffic Control Technician Course, 2020 (refresher) LA Specific Traffic Control Supervisor Course, 2020 (refresher) National Environmental Policy Act (NEPA) and Transportation Decision Making		
Year Registered		PLS 1970 / PE 1970	Discipline	Professional Land Surveyor / Civil and Environmental Engineering
Contract Role(s) / Brief Description of Responsibilities		<p>6. Surveying Services and ROW Maps. <i>Jerry has more than 50 years of experience in planning, surveying, designing, inspecting, and construction administration of transportation facilities. The first 9 years of Jerry's career were spend with the U.S. Bureau of Public Roads/Federal Highway Administration at various locations in the United States as a Highway Engineer reviewing and assisting state highway officials with transportation projects utilizing Federal-Aid transportation funding from project inception through construction.</i></p> <p><i>Jerry has designed and supervised numerous projects for LDOTD over the past 45 years. He has been responsible for the firm's growth as well as the reputation of the firm. He has instilled in each member of the firm to provide a professional product and to deliver on time.</i></p>		
Experience Dates		Experience and qualifications relevant to the proposed contract.		
10/12 – 06/16		Principal-In-Charge for IDIQ Retainer for LDOTD Contract No. 4400002862, S.P. No. H.008768 – Hydrographic Surveying Services for Monitoring of Existing Bridges-Statewide (North Region). Supervised the performance of hydrographic surveys on 14 Task Orders for checking channel scour at major bridge sites in north Louisiana. Duties included supervision of project surveyors and the development of required hydrographic survey schedules and reports at the various bridge locations.		
09/18 – 02/23		Principal-In-Charge for LDOTD Contract No. 4400012668, IDIQ Retainer Contract for Professional Hydrographic Surveying Services, Statewide (North Region) (LDOTD Contract No. 44-12668) Supervised the performance of hydrographic surveys on 17 Task Orders for checking channel scour at major bridge sites in north Louisiana. Duties included supervision of project surveyors, QA/QC of the development of required hydrographic survey schedules and reports at the various bridge locations.		
02/23 – Present		Principal-In-Charge for LDOTD Contract No. 4400019714, IDIQ Retainer Contract for Professional Hydrographic Surveying Services (North Region) (LDOTD Contract No. 44-19714). Supervised the performance of hydrographic surveys checking channel scour at major bridge sites in north Louisiana. Duties include supervision of project surveyors and QA/QC reviewing of the development of required hydrographic survey schedules and reports at the various bridge locations.		
06/04 – 03/05 01/06 – 06/09		State Project No. 700-37-0102: US 165 (Jct. LA 841 – Rilla), Ouachita Parish. Jerry was Principal-in-Charge of this project and performed QA-QC reviews of the plans. On this project Lazenby & Associates performed topographic surveys, property surveys, ROW maps, alignment studies, and prepared preliminary and final roadway plans on a 4.5-mile section of US 165 being widened and upgraded to a four-lane divided arterial route under the Louisiana TIMED Program.		


05/00 – 05/04	State Project No. 700-99-0237: Retainer Contract for Professional Surveying Services, Statewide. Jerry was Principal-in-Charge responsible for 15 Task Orders to perform topographic surveys, property surveys, and develop ROW maps on various LDOTD projects in northern Louisiana.
01/04 – 05/07	State Project No. 700-30-0061: US 167 (Lillie to Arkansas State Line), Union Parish. Jerry was Principal-in-Charge on this project and performed QA-QC review of the plans. On this project, Lazenby & Associates developed final roadway plans, final bridge plans, and ROW maps on a 7-mile section of US 167 that was widened to a four-lane rural and urban arterial route under the Louisiana TIMED Program.
07/10 – 12/13	State Project No. H.003854: Bossier North-South Corridor Roadway and Bridges (I-220/Swan Lake Road Interchange to Crouch Road), Bossier Parish. Jerry was Principal-in-Charge and performed QA-QC reviews of the plans. On this project, Lazenby & Associates developed topographic surveys, property surveys, right-of-way maps, preliminary roadway and bridge plans and final roadway and bridge plans along a 7.8-mile corridor being developed as an Urban Systems Project by the Bossier Parish Police Jury.
12/07 – 06/15	State Project No. H.002622: Arkansas Road (LA 616), Ouachita Parish. Jerry was Principal-in-Charge, Project Manager, and performed QA-QC reviews of the plans. On this project, Lazenby & Associates performed topographic surveys, property surveys and developed right-of-way maps, preliminary roadway plans and final roadway plans for the widening of a 3.2-mile section of LA 616 from a two-lane rural roadway section to a five-lane urban roadway section including four multi-lane roundabouts. The project also included the hydraulic analysis of an existing timber bridge site in which the bridge was replaced with a reinforced concrete box culvert.
09/17 – Present	State Project Nos. H.004774 & H.007300: Kansas Lane – Garrett Road Connector and I-20 Improvements, Ouachita Parish. Jerry is Principal-in-Charge. On these projects, Lazenby & Associates performed topographic surveys, developed preliminary roadway plans, and is currently developing final roadway plans for the widening of a section of Garrett Road to a four-lane arterial route with five multi-lane roundabouts. The project includes ramp modifications of the I-20/Garrett Road interchange, a new overpass structure over I-20, and a new overpass structure over Millhaven Road (LA 594) and the adjacent KCS railroad tracks, as well as lighting and traffic signal work. The project also includes design and development of subsurface drainage plans to improve drainage within the project area. Final plans are currently 98% complete.
10/14 – 06/17	State Contract No. 4400004541: Retainer Contract for Professional Surveying Services – Statewide. Jerry was Principal-in-Charge responsible for 8 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
01/17 – 01/20	State Contract No. 4400009384: Retainer Contract for Professional Surveying Services – Statewide. Jerry was Principal-in-Charge responsible for 6 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/19 – present	State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. Jerry is Principal-in-Charge responsible for 15 Task Orders to perform topographic surveys on various LDOTD projects in Louisiana.
10/20 – present	State Contract No. 4400017710: Retainer Contract for Professional Surveying Services – Statewide. Jerry is Principal-in-Charge responsible for this contract, which thus far has contained 1 Task Order to perform a topographic survey on S.P.N. H.015052.5: I-20 Widening & Improvements (Vancil to LA 34).

		Firm Lazenby & Associates, Inc.	
Ronald J. Riggin II, PE, PLS Project Surveyor		Years of Relevant Experience with this Employer	11
		Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization	B.S. / 2006 / Civil Engineering		
Active Registration Number / State / Expiration Date	P.L.S. 0005119/ Louisiana / 03/31/2025 P.E. 0036016 / Louisiana / 03/31/2025 LA Specific Traffic Control Technician Course, 2014 LA Specific Traffic Control Supervisor Course, 2020 (refresher)		
Year Registered	PLS 19... 2017	Discipline	Professional Land Surveyor / Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	MPR 6.6. Surveying Services and ROW Maps. Ronald is familiar with the requirements of the LDOTD Location and Survey... conducting topographic surveys, property surveys and hydrographic surveys. Ronald is responsible for the control of all survey data obtained by field crews in conducting topographic surveys, property surveys, and hydrographic surveys. Ronald has over five (5) year's experience in conducting and performing hydrographic surveys in rivers, lakes and...		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/13 – 06/16	Retainer Contract No. 4400003471 – Retainer Contract for Professional Surveying Services – Statewide. Project Surveyor responsible for coordination and supervision of survey field crews performing topographic surveys and property surveys on 14 Task Orders for an accumulated value of \$436,473.00 for LDOTD State Project locations in northern Louisiana.		
10/12 – 06/16	Project Surveyor for Contract No. 4400002862, S.P. # H.00... Topographic Survey Monitoring of Existing Bridges – Statewide (North Region). Performed hydrographic surveys on 147... monitoring scour at major bridge sites in north Louisiana. Duties included supervision of survey crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations.		
09/18 – 02/23	Project Surveyor for Retainer Contract No. 4400... Retainer Contract for Professional Hydrographic Surveying Services – Statewide (North Region). Performed hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties included supervision of field crews, analysis of survey data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.		
02/23 – Present	Project Surveyor for Retainer Contract No. 00019714 – Retainer Contract for Professional Hydrographic Surveying Services-Statewide (North Region). Performing hydrographic surveys on major bridge structures in northern Louisiana for monitoring channel scour. Duties include supervision and scheduling of field crews, analysis of field data and development of required hydrographic survey reports at the various bridge locations for submission to the LDOTD.		
04/14 – 04/18	Professional Surveyor of Record for developing topographic surveys and Property Surveys for private clients on residential developments and commercial developments in Ouachita Parish and northern Louisiana. Professional Engineer of Record for the overall design of residential and commercial developments.		
03/15 – 08/17	Project Engineer and Project Surveyor for S.P. # H.011742 – Ole Highway 15 Improvements (US 80 – Arkansas Road (LA 616)), Ouachita Parish. Ronald performed a topographic survey of a 2.2 mile section of Ole Hwy 15 from US 80 to LA 616 and then was the project engineer responsible for roadway design which consisted of cold planning to remove existing AC surfacing, in-place cement stabilization of existing base course, A.S.T. interlayer and asphaltic concrete overlay.		


05/16 – 02/18

Project Surveyor on the Steep Bayou Sewer Main project of the West Ouachita Sewerage District No. 5. Ronald performed a topographic survey of the alignment for a sewer main trunk line from I-20 to New Natchitoches Road along Steep Bayou in Ouachita Parish. He also conducted a boundary survey of the right-of-way parcels along this route and developed the necessary ROW maps and legal descriptions.

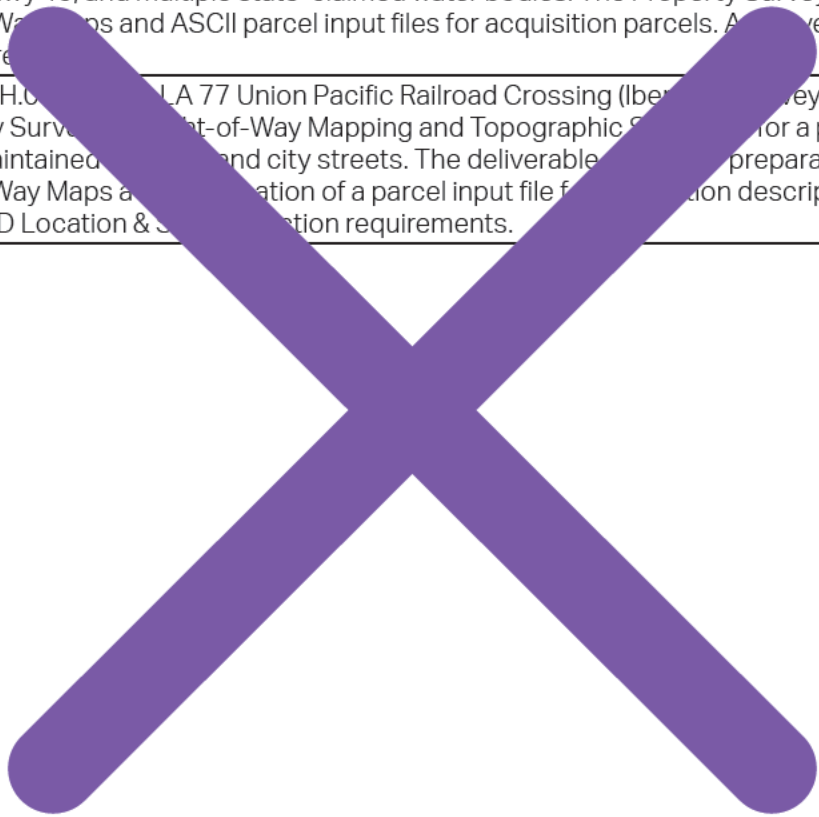



Firm		Lazenby & Associates, Inc.		
	Noah J. Sampognaro, EI Engineer Intern		Years of Relevant Experience with this Employer	2
			Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2020 / Civil Engineering		
Active Registration Number / State / Expiration Date		E.I. 0034746 / Louisiana / 09/30/2025 LA Specific Traffic Control Technician Course, 9/14/2026 LA Specific Traffic Control Supervisor Course, 9/14/2026 TOPO Dot User Conference, 2022 One-Dimensional Modeling of River Encroachments with HEC-RAS Class, 2022		
Year Registered		El 2021	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		6. Surveying Services and ROW Maps. Noah has 2 years of experience in performing drainage design, hydraulic analysis, roadway design, and preparation of roadway plans on a variety of LDOTD and local roadway projects. Noah passed his P.E. Civil Transportation exam in October 2022 and is currently enrolled in the University of Wyoming Cadastral Surveying Certificate Program. Noah is familiar with the LDOTD Roadway Design Procedure and Details Manual and the LDOTD Hydraulics Manual, as well as AASHTO design standards for roadway design. Noah also assists in processing topographic survey and mobile LIDAR data, creating survey centerline alignments (ALGs) using horizontal regression analysis, developing digital terrain models (DTMs), and producing existing drainage maps for LDOTD topographic surveys.		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
01/21 - 06/22	<p>State Contract No. 4400015236: Retainer Contract for Professional Surveying Services – Statewide. This retainer contract consisted of fifteen task orders to perform topographic surveys for various projects across Louisiana. Noah assisted in post-processing topographic survey data which was collected with the use of GPS receivers, robotic total stations, and SX-10 terrestrial scanners, as well as using TOPO Dot software to extract data collected with a terrestrial mobile lidar scanner. His duties also included creating survey centerline alignments (ALGs) and associated reports using horizontal regression analysis, developing existing digital terrain models (DTMs), and producing existing drainage maps.</p> <p>Some of the task orders on which Noah has assisted include:</p> <ul style="list-style-type: none"> - State Project No. H.011706.5 – BNSF Several RR Xings (Baldwin) in St. Mary Parish (01/2021-08/2021) - State Project No. H.012032.5 – LA 2: Bridges Near Mer Rouge, Route LA 2 in Morehouse and West Carroll Parishes (02/2021-04/2021) - State Project No. H.008220.5 – LA 406 @ F.E. Hebert Roundabout, Route LA 406 in Plaquemines Parish (03/2021-07/2021) - State Project No. H.012541.5 – LA 594: Overpass I-20, Route 594 in Ouachita Parish (01/2022-06/2022) - State Project No. H.014646.5 – I-20: US 165 – E. of Garrett Road, Route I-20 in Ouachita Parish (08/2021-01/2022) 			

01/22 – 1/23	State Project No. H.015052: I-20: I-20 Widening/Overlay (Vancil Rd to LA 34). This project consisted of performing a complete topographic survey along I-20 from the Well Road Interchange to the LA 34 (Stella Mill St) Interchange in Ouachita Parish. It also included portions of Well Road, Downing Pines Road, Thomas Road, and LA 34 (Stella Mill St) for a total cumulative length of 25,625 ft (4.85 miles). Data was collected using GPS receivers, robotic total stations, SX-10 terrestrial scanners, and a terrestrial mobile LIDAR scanner. Noah assisted in post-processing the survey data, extracting mobile LIDAR data using TOPO Dot software, and creating the existing drainage map. He also assisted in quality control measures by comparing field data collected by the survey crew to LDOTD as-built drawings.
01/21 – Present	<p>Ouachita Parish Police Jury Road Program. Noah has assisted with the Ouachita Parish Police Jury Road Program. His duties consist of post-processing topographic survey data, developing pavement preservation roadway plans, including design of cross drain structures, superelevation correction calculations, and quantity calculations, to preserve and extend the life of Ouachita Parish roadways, some of which are constructed under the DOTD Urban Systems program.</p> <p>Some of the Ouachita Parish Urban Systems projects on which Noah has assisted include the following:</p> <ul style="list-style-type: none"> - State Project No. H.013805 – Finks Hide-A-Way Road (Mill, Patch and Overlay and includes a segment of Reconstruction) - State Project No. H.014397 – Rowland Road (Mill, Patch and Overlay)
06/21 - Present	<p>City of Monroe, Louisiana roadways. Noah has assisted with City of Monroe roadways designed under the LDOTD Urban Systems program. His duties consist of post-processing topographic survey data, developing pavement preservation roadway plans, including hydraulic design, quantity calculations, and construction cost estimates.</p> <p>Some of the City of Monroe Urban Systems projects on which Noah has assisted include the following:</p> <ul style="list-style-type: none"> - State Project No. H.014347 – South Grand Street (Mill, Patch and Overlay) - State Project No. H.014348 – Lee Avenue (Mill, Patch and Overlay) <p>Noah is currently assisting with construction support activities by field marking and verifying required areas of pavement patching.</p>
08/22 – Present	US 165 Turn Lanes at Scott Drive, Ouachita Parish. Noah assisted in the development of roadway plans and post-processing the topographic survey data, including creating the existing digital terrain model (DTM), drainage design, and quantity calculations. This project, which was prepared for the Ouachita Parish School board, consists of adding a left and right turn lane on US 165 and traffic signal modifications at Scott Drive in Sterlington Louisiana.


		Firm SJB Group, LLC	
C. Tim Brewer, RF, PS, PLS, RPLS, RPP Vice President of Surveying, SJB		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	28
Degree(s) / Years / Specialization	B.S. / 1988 / Forestry Management		
Active Registration Number / State / Expiration Date	PLS.0005009 / Louisiana / 9/30/2025		
Year Registered	2009	Discipline	Professional Land Surveyor
Contract Role(s) / Brief Description of Responsibilities	6, 7, 6. Surveying Services and ROW Maps. Tim has over 30 years of survey experience and over 20 years of experience managing a wide variety of survey projects for USACE, MDOT, LADOTD, MoveBR, and private clients. His survey experience includes Boundary, Topographic, As-Built and ALTA Survey, Right-of-Way Mapping, Construction Layout, and Control for aerial survey and mapping.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
3/22 – Ongoing	The Settlement on Shoe Creek – Project No. 2022-0001. Surveyor of Record/Contract Manager. This project involved professional engineering and land surveying services for The Settlement on Shoe Creek for development phase 2 of 3, which covers approximately 225 residential lots. This included Topographic Surveys, Final Plat, ALTA Surveys, As-Built Surveys, LOMR-F preparation and submission, and final plats. Project control was established using a GNSS network as an RTN.		
6/18 – Ongoing	LA DOTD Project No. H.012001 – LA 339 Canal. Surveyor of Record/Project Manager. This project in Vermilion Parish included Property Surveying and Right-of-Way Mapping for sites along LA 339. SJB Group determined the existing right-of-way for LA 339 and multiple intersecting roadways. This information, as well as the proposed right-of-way were utilized to prepare Base Right-of-Way Maps. Final Right-of-Way Maps and parcel input files for acquisition parcels that included multiple diversions roadways. All surveying was performed to LADOTD Location & Survey Section requirements.		
7/21 – 10/23	LA DOTD Project No. H.004100 – I-10: LA 1000. Surveyor of Record/Project Manager. This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10. This project included multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and easement. The project also included the creation of Base Right-of-Way Maps; Final Right-of-Way Maps; original matte films; .pdf map files; AutoCAD Station drawing files; along with a pdf copy of the Full Title Research Report with affected parcel number and an ASCII parcel input file for approximately 125 parcels.		
4/23 – 9/23	LA DOTD Project No. H.017001 – Morgan City Sidewalks & Shared Use Pathway. Surveyor of Record/Project Manager. Subcontracted to Digital Engineering, T. The project included Right-of-Way Mapping, Topographic Surveying, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other infrastructure work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barron Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.		
1/23 – 9/23	STBG-0013-02(035)/108856-101100 – Mississippi State Route 28 Bridge over Copiah Creek. Surveyor of Record/Contract Manager. This project included a Topographic, Hydraulic, and Property Survey for a bridge replacement over Copiah Creek on State Route 28 in Copiah County, Mississippi. Project limits included approximately 3,000 feet of MS-28, including the Copiah Creek Bridge and cross-sections of Copiah Creek 1000 feet upstream and 1000 feet downstream from the bridge. The project will be delivered in OpenRoads Designer 2022.		

8/20 – 9/23	LA DOTD Contract No. 4400017597 – Rural Bridge Replacement Initiative. Surveyor of Record/Project Manager. Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
10/20 – 8/22	LA DOTD Project No. H.002176.50 – LA 10 Bridges. Surveyor of Record/Project Manager. The LA 10 Bridges project in St. Landry Parish included Property Surveying and Right-of-Way Mapping for three sites. The property survey depicted the affected properties, the existing Right-of-Way for LA Hwy 10, and multiple state-claimed water bodies. The Property Survey was utilized for creating Base Right-of-Way maps, Final Right-of-Way Maps and ASCII parcel input files for acquisition parcels. All surveying was performed to LADOTD Location & Survey Section requirements.
7/21 – 2/22	LA DOTD Project No. H.002176.50 – LA 77 Union Pacific Railroad Crossing (Iberia). Surveyor of Record/Project Manager. This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state maintained roads, and city streets. The deliverables included the preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the preparation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section requirements.




		Firm SJB Group, LLC	
Matthew Estopinal, PE, PLS Vice President of Surveying, SJB		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	28
Degree(s) / Years / Specialization	B.S. / 2009 / Civil Engineering B.S. / 1996 / Microbiology		
Active Registration Number / State / Expiration Date	PE.0039151 / Louisiana / 03/31/2025 PLS.0004955 / Louisiana / 03/31/2025 PE.1122184 / Tennessee / 01/31/2025 PE.32982 / Mississippi / 12/31/2024 PE.145117 / Texas / 03/31/2024		
Year Registered	2014 (PE) / 2006 (PLS)	Discipline	Civil Engineering (PE)
Contract Role(s) / Brief Description of Responsibilities	6. Surveying Services. <i>Matthew has more than fifteen years of experience as a Professional Land Surveyor in the State of Louisiana on transportation and community development related projects. His work experience includes ALTA Surveys, Boundary Surveys, Topographic Surveys, and Right-of-Way Mapping for state, municipal, and private clients. His duties include coordination of staff, responsible charge of all plan production, all field inspections, and the preparation of detailed construction plans on all types of work. His responsibilities for this project include coordination of staff, responsible charge of all plan production, all field inspections, and the preparation of detailed construction plans on all types of work.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
4/23 – 8/23	LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish. QA/QC. Sub to Digital Engineering. This project includes a Topographic Survey and right-of-way survey TOPO to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City.		
11/22 – 4/23	City-Parish Project No. 20-CP-US-0099 – MoveBR – Airline Highway North (Florida Boulevard to I-110). QA/QC. Sub to Huval and Associates, Inc. This project involved a Corridor LiDaR Survey and TOPO services on northbound Airline Highway between Florida Boulevard and I-110 for the proposed improvements of the four-lane divided arterial roadway to increase capacity and safety in the area as well as improve pedestrian movement through the corridor. The data collection was performed by mobile LiDaR scanning and processed utilizing Trimble Business Center.		
3/22 – Present	The Settlement on Shoe Creek – Phase 2 of 3. QA/QC. This project involved professional engineering and land surveying services for The Settlement on Shoe Creek for development phase 2 of 3, which covers approximately 225 residential lots. This includes Topographic Surveys, preliminary plats, ALTA surveys, As-Built Surveys, LOMR-F preparation and submission, and final plats.		
3/22 – Present	LA DOTD Project No. H.012685.5 – LA 385: Ryan Street Intersection Improvements QA/QC. This project included a Topographic Survey in Calcasieu Parish near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities, drainage, and finish floor elevations of buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles. This project was performed utilizing a combination of conventional survey methods and mobile LiDaR scanning.		
2/22 – 6/22	LA DOTD Project No. H.014752.5 – LA 3021: Dual Turn Lanes at LA 38 QA/QC. Prime Consultant. This project included a Topographic Survey of the LA 39 (North Claiborne Avenue) and LA 46 (Elysian Fields Avenue) intersection in Orleans Parish. This included all utilities, including depths, drainage, and finish floor elevations of buildings within the survey limits. The project had a total linear distance of approximately 3,600 feet.		

12/21 – Present	City-Parish Project Nos. 20-TS-HC-0075 & 20-TS-HC-0080 – MoveBR Synchronization & Communication Signal Rebuilds – Group 2 Surveyor of Record. This project involved a Topographic Survey and Right-of-Way Mapping for six intersections.
11/21 – 12/21	Conway Development Topographic Survey Project Manager. Sub to Novus Reb Engineering. This project involved a Topographic Survey of a tract in the Conway development and included running cross-sections through the project limits. Shots were taken with the use of a Robotic Total Station and 360D prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN.
7/21 – 9/22	LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen on I-10 and I-12 QA/QC. Prime Consultant. This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, which included parcel data for approximately 125 parcels. This project included the title takeoffs.
7/21 – 2/22	LA DOTD Project No. H.012851 – Union Pacific Railroad Corridor (Plaquemine) QA/QC. Prime Consultant This project involved a Topographic Survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue. The project included title research and field data collection for the preparation of a Property map and Right-of-Way map set.
6/21 – 10/21	LA DOTD Project No. H.007963 – Blackwater Bayou Bridge Project Manager / QA/QC. Prime Consultant. This project required replacement of the Bayou River Bridge and a diversion road during construction along LA Hwy 410 in East Baton Rouge Parish near the City/Town of Central. This project involved Property Survey, Right-of-Way Mapping, and title take-offs. This project went through design changes which halted project progress temporarily and significantly changed the required taking.
3/21 – 5/22	City-Parish Project No. 20-CP-HC-0032 – MoveBR Nicholson Segment 2 Survey Project Manager. Sub to Volkert. SJB Group performed a Topographic Survey, Property Survey, and Right-of-Way Mapping of a 4.1-mile-wide stretch of Nicholson Drive (LA 30) from Bluebonnet Boulevard to Ben Hur Road in East Baton Rouge Parish for a City-Parish widening project.
1/21 – 6/21	East Baton Rouge City/Parish Project No. 20-PS-IF-0109 – DES Regional Pump Station #299 Project Manager/Surveyor of Record. This project required a Topographic Survey and Property Survey with the preparation of Right-of-Way maps for a force-main extension from the eastern end of Constantin Phase 2 (Dijon) to an existing Sewer Pump Station on the west side of Bluebonnet Boulevard.

Firm		SJB Group, LLC		
	Colby Mire, PLS Assistant Survey Department Manager		Years of Relevant Experience with this Employer	10
			Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		B.S. / 2015 / Construction Engineering Technology		
Active Registration Number / State / Expiration Date		PLS.0005308 / Louisiana / 9/30/2025		
Year Registered		2023	Discipline	Professional Land Surveyor
Contract Role(s) / Brief Description of Responsibilities		6. Surveying Services and ROW Maps. <i>Colby has more than 9 years of experience in land surveying. His survey experience includes Boundary, Topographic, As-Built and ALTA Surveys, Right-of-Way Mapping, Construction Layout, and control for aerial survey and mapping projects for LA DOTD, MDOT, MoveBR, MoveAscension, and private clients.</i>		

Experience Dates	Experience and qualifications relevant to the proposed contract.
2/22 – Ongoing	Parish of Ascension Project No. MA-19-03 – Joe Sevario Road @ LA 933 Roundabout. Project Manager/Senior Technician. This project involved a Topographic Survey, Preliminary Plans, Lighting Plans, Right-of-Way Mapping, Geotechnical Investigation, and all Quality Levels of Subsurface Utility Engineering for the design and implementation of a single-lane asphalt roundabout at the intersection of Joe Sevario Road and LA 933 in Gonzales, LA, to replace the existing stop-controlled intersection. A Leica TS16 Robotic Total Station and RTK were used. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
3/21 – Ongoing	City Parish No. 20-CP-HC-0046 – MOVEBR – Jefferson Highway at Bluebonnet Intersection Improvement. Project Manager/Senior Technician. Sub to Meyer Engineers. This project involved a Corridor Survey, Topographic Surveys, Property Surveys, Right-of-Way Mapping, Subsurface Utility Engineering, and the development of a map of existing drainage throughout the survey limits at the intersection of Jefferson Highway and Bluebonnet Boulevard. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for both RTK and as a static base station. Data was processed using InRoads Suite MicroStation. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment.
4/23 – 9/23	LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish. Assistant Survey Department Manager. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. A Leica TS16 Robotic Total Station, a Leica GS18 T GNSS RTK Rover, and a GeoSLAM ZEB Horizon 3D were used. SUE data was collected using a combination of Ground-Penetrating Radar, air-assisted vacuum excavation, Electromagnetic Pipe and Cable locators, and other non-destructive detection equipment. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.


7/21 – 9/23	LA DOTD Project No. H.004100 – I-10: LA 415 to Essen. Assistant Survey Department Manager. This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, which included parcel data for approximately 125 parcels. A Leica TS16 Robotic Total Station was used as well as a Leica GS18 T GNSS RTK Rover for RTK. SUE data was collected using a combination of Ground-Penetrating Radar and Electromagnetic Pipe and Cable locators. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
1/23 – 9/23	STBG-0013-02(035)/108856-101100 – Mississippi State Route 28 Bridge over Copiah Creek. Assistant Survey Department Manager. Topographic, Hydraulic, and Property Survey for a project in Copiah County, Mississippi. Project limits included approximately 3,000 feet of MS-28, including the Copiah Creek Bridge and cross-sections of Copiah Creek 1000 feet upstream and 1000 feet downstream from the bridge.
6/22 – 12/22	LA DOTD Project No. H.013716 – US 167 – Camellia Boulevard-Churchill Drive. Jr. Project Manager/Senior Technician. Sub to Digital Engineering & Imaging, Inc. This project involved a Topographic Survey and Right-of-Way mapping of the Camellia Boulevard and Churchill Drive intersection area. All surveying was performed to LADOTD Location & Survey Section requirements.
8/20 – 3/22	Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597. Junior Project Manager. Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
7/21 – 2/22	LA DOTD Project No. H.012851 – Union Pacific Railroad Corridor (Plaquemine). Jr. Project Manager/Senior Technician. -This project included a Topographic Survey and Quality Level “D” and Quality Level “B” Subsurface Utility Engineering for this project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were both used, the GS18 being used for both RTK and as a static base station. SUE data was collected using a combination of Ground-Penetrating Radar and Electromagnetic Pipe and Cable locators. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
4/21 – 6/21	LA DOTD Project No. H.014322 – Centurion Avenue Over Drainage Bayou 4/21 – 6/21. Project Manager/Senior Technician. Sub to Monroe & Corie. This project included a full Topographic Survey to ensure proper design and drainage layout as well as Right-of-Way mapping in East Baton Rouge Parish for a bridge located on Centurion Avenue.

Firm		SJB Group, LLC		
	Elvis Nguyen Field Crew Coordinator		Years of Relevant Experience with this Employer	6
			Years of Relevant Experience with Other Employer(s)	20
Degree(s) / Years / Specialization		NA		
Active Registration Number / State / Expiration Date		Traffic Control Supervisor / LA / 07.02.2025 Traffic Control Technician / LA / 06.29.2025 Flagger		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		6. Surveying Services and ROW Maps. <i>Elvis has more than 26 years of experience as a survey party chief. He has performed and led field crews in performing Boundary, Topographic, Right-of-Way, and Construction Stakeout surveys throughout the State of Louisiana and is capable of leading a crew in remote areas. He is knowledgeable with several Leica geosystems such as the ScanStation C10 3D Laser Scanner, TS16 Robotic Total Station, GS18 GNSS RTK Rover, and the Viva GS16 GNSS rover. Additionally, he is knowledgeable with the AutoDesk Suite, Leica Infinity, Quick Terrain Modeler, GeoConnect, FARO Scene 3D, and Global Mapper. His responsibilities coordinating field crews, equipment maintenance, fleet maintenance and coordination, processing field data, and stepping in as Party Chief as needed for field work..</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
6/23 – Ongoing	Belle of Baton Rouge Renovations. Field Crew Coordinator/Party Chief. Sub to NORR. This project involved a Property Survey, Topographic Survey and a Right-of-Way Survey for renovations to the Belle of Baton Rouge. The survey was performed for traffic signal design engineering along St. James Street at Government Street and France Street. The project required right-of-way determination of right-of-way of the subject streets and a topographic survey of the surrounding area that included the collection of data of surface and sub-surface utility facilities. Mr. Nguyen's responsibilities for the project includes coordinating field crews, processing field data, and creating a base map for the project, along with providing support as Party Chief as needed for additional tasks.			
4/23 – Ongoing	City-Parish Project No. 21-DR-US-0038 – EBRP Flood Risk Reduction Project for Beaver and Blackwater Channel Improvements. Field Crew Coordinator/Party Chief. This project included Boundary Surveying, Right-of-Way Mapping, Topographic Surveying, Title Review, and Subsurface Utility Engineering for approximately 25 miles of proposed channel improvements. The project is being performed according to the LADOTD Location and Survey Manual. Property surveys were performed for parcels along the corridor of each waterway for the creation of a property map with coordinates of all recovered monuments to be provided in ASCII format. Base Right-of-Way Maps, Final Right-of-Way Maps, along with a parcel input file for the creation of acquisition parcel descriptions. Additionally, detailed Topographic Surveys are performed at all bridge crossings along the channels, including existing utility locations.			
7/21 – 10/23	LA DOTD Project No. H.004100 – I-10: LA 415 to Essen. Party Chief. This project included a Property Survey and extensive Right-of-Way Mapping for approximately 4 miles of I-10 as well as multiple intersecting streets, for which a property map was created that encompassed the parcels affected by acquisition and accessibility. The project also included the creation of Base Right-of-Way Maps; Final Right-of-Way Map set of original matte films; .pdf map set, MicroStation drawing files; along with a pdf copy of the Full Title Research Report with affected parcel number and an ASCII parcel input file descriptions for approximately 125 parcels.			


4/23 – 9/23	LA DOTD Project No. H.017322.5 – Morgan City Sidewalks & Shared Use Path, St. Mary Parish. Field Crew Coordinator/Party Chief. Sub to Digital Engineering. This project included Right-of-Way Mapping, Topographic Survey, and Subsurface Utility Engineering to assist in the installation of sidewalks, handicapped ramps, drainage structures, and other related work in Morgan City. The project limits included Everett Street from Front Street to 4th Street, 4th Street from Everett Street to Barrow Street, and Myrtle Street from Youngs Road to Auditorium Drive. In the performance of this contract the existing right-of-way of twenty streets, one state highway right-of-way, and an irregular railroad right-of-way was determined at two crossing locations. All surveying was performed to LADOTD Location & Survey Section requirements.
1/23 – 9/23	STBG-0013-02(035)/108856-101100 – Mississippi State Route 28 Bridge over Copiah Creek. Field Crew Coordinator/Party Chief. This project included a Topographic, Hydraulic, and Property Survey for a bridge replacement over Copiah Creek on State Route 28 in Copiah County, Mississippi. Project limits included approximately 3,000 feet of MS-28, including the Copiah Creek Bridge and cross-sections of Copiah Creek 1000 feet upstream and 1000 feet downstream from the bridge. The project will be delivered in OpenRoads Designer 2022.
8/20 – 9/23	LA DOTD Contract No. 4400017597 – Rural Bridge Replacement Initiative. Party Chief. Sub to Burk-Kleinpeter. This project included a Topographic Survey, Right-of-Way Mapping, and roadway design performed for the proposed bridge replacements for LA DOTD Districts 03, 07, 61, and 62. Each site required a complete property map and the preparation of Right-of-Way Maps with supporting data for right-of-way acquisition. The Topographic Survey of the project limits of each bridge included a complete inventory for each drainage structure (type, size, length, and invert) and cross sections of all drainage ways. A Leica TS16 Robotic Total Station and a Leica GS18 T GNSS RTK Rover were used. All surveying was performed to LADOTD Location & Survey Section requirements.
6/22 – 12/22	LA DOTD Project No. H.013716 – US 167 – Camellia Boulevard-Churchill Drive. Party Chief. Sub to Digital Engineering & Imaging, Inc. This project involved a Topographic Survey and Right-of-Way mapping of the Camellia Boulevard and Churchill Drive intersection area. All surveying was performed to LADOTD Location & Survey Section requirements.
7/21 – 2/22	LA DOTD Project No. H.013715.5 – LA 77 Union Pacific Railroad Crossing (Iberville). Party Chief. This project consisted of Property Surveying, Right-of-Way Mapping and Topographic Surveying for a project that included the depiction of a railroad right-of-way, state maintained highway, and city streets. The deliverables included preparation of a Property Map, Base Right-of-Way Maps, Final Right-of-Way Maps and the creation of a parcel input file for acquisition descriptions of the subject area. All surveying was performed to LADOTD Location & Survey Section requirements.

7. Subsurface Utility Engineering (SUE) and Utility Relocation


(See Section 14)

Firm SJB Group, LLC		 Karen Kennedy, PE (MPR 8) Vice President of Surveying, SJB		Years of Relevant Experience with this Employer	2
				Years of Relevant Experience with Other Employer(s)	28
Degree(s) / Years / Specialization		B.S. / 1995 / Civil Engineering			
Active Registration Number / State / Expiration Date		PE0028547 / Louisiana / 9/30/2025			
Year Registered		19	Discipline	Civil Engineering	
Contract Role(s) / Brief Description of Responsibilities		Manager, Subsurface Utility Engineering (SUE) and Utility Coordination. Karen has twenty-four years of experience as a licensed civil engineer working in both the public and private sectors. Ms. Kennedy has completed structure improvement, site development, and subsurface utility engineering (SUE) projects for LA DOTD, MOVEBR, and other local entities and private owners. She has a thorough knowledge of the Subsurface Utility Engineering (SUE) Standard 38-22.			
Experience Dates	Experience and qualifications relevant to the proposed contract.				
10/23 - Present	LA DOTD Project No. H.003931 Calcasieu River Bridge Public-Private Partnership Project. Utility Coordinator. SJB Group will provide Utility Coordination for the duration of the project. The Calcasieu River bridge project is the largest in the history of the LA DOTD and was one of the largest infrastructure contracts completed in America in 2023. The existing bridge demolition and replacement will have a significant impact on existing utility facilities within the limits of the project which is a heavily congested industrial corridor. Utility coordination will be critical to facilitate construction improvements while keeping the project on time and within budget.				
4/22 - Present	LADOTD Project No. H.013797LA 30: EBR PL- I-10 Corridor Sub to Michael Baker This project is a Stage 1 Environmental Assessment to continue the State 0 Feasibility Study for the I-10 Corridor. SJB coordinated with all utility companies for the acquisition of records which were utilized for the development of the Quality Level D Subsurface Utility Plan Set. Because of the complexity of the pipelines in this heavily congested industrial corridor, the services provided also included a field investigation to determine the arrangement of the pipeline placement throughout the project limits.				
10/22 - Present	City-Parish Project No. 20-CP-US-090001 W EBR Airline Highway, Northbound (I-10 Blvd to Interstate I-110). Engineer of Record.. This project involves a Corridor LiDAR Survey and Quality Level C and D Subsurface Utility Engineering services on portions of northbound Airline Highway between Florida Boulevard and I-110 for the proposed improvement of the four-lane divided arterial to increase capacity and safety in the area as well as improve pedestrian movement through the corridor. Due to a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the design of the project.				
10/21 - Present	City/Parish Project No. 20-CP-US-0044 - MOVEBR Widening of Lee Drive (Highland to I-10). SUE Engineer. This project involved ASCE 38-02 Quality Level C SUE services for all utilities within the project corridor as a sub-consultant. Prior to Quality Level C services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This investigation and the construction plans for the roadway are being utilized to prepare a utility conflict matrix and utility relocation allocation plans. Plan in hand meetings and utility coordination meetings with the City of Baton Rouge, MOVEBR Project Management Team, Arcadis and utility companies are required to properly prepare the allocation plans and ensure all utility conflicts have been resolved. Utility coordination will play a major role with the coordination of large transmission lines.				

5/21 – Present	City/Parish Project No. 20-CP-HC-0034 – MoveBR Jefferson at Corporate Intersection. SUE Engineer of Record. Sub to Bucharth Horn. This project involved a Topographic Survey, Property Survey, Right-of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent design.
04/22 – 3/23	City-Parish Project No. 20-CP-US-0100 – MOVEBR Airline Highway, South (Parish Line to Bluebonnet Blvd). SUE Engineer of Record. SJB Group completed ASCE 38-02 Quality Level D services for the project. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project.
1/22 – 6/22	City Parish Project No. 21-DR-A-0095 – Dawson Creek at Hundred Oaks and Broussard Bridges SUE Engineer of Record. Sub to Forte & Tablada, Inc. This project involved subsurface utility engineering and utility surveying for proposed Dawson Creek at Hundred Oaks and Broussard Bridges. This project required ASCE 38-02 Quality Level A and B SUE services for all utilities within the project limits. The accurate location of these facilities is critical for the ultimate design of the bridge structure included in this project as existing utilities were within the footprint of the bridge bents and pile locations.
11/21 – 3/22	Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Small and I-10). SUE Engineer of Record. This project involved ASCE 38-02 Quality Level A SUE utility surveying to identify conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tangipahoa and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design effort required detailed record research, field investigations and data management. The accurate location of utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.
8/21 – 2/22	LA DOTD Project No. H.012851 – UP RR Corridor (Plaquemine) Engineer of Record. This project involved Quality Level B, C, and D subsurface utility engineering and utility surveying as well as a topographic survey for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of Bayou Road and the intersection of Bellevue Drive and Railroad Avenue. Anticipated utilities were water, gas, telephone, cable, and fiber optic. This was heavily congested corridor with limited existing utility records.
9/20-Current	City Parish Project No. 20-EN-HC-026 S. Sligo Forest Blvd. Sligo Forest Blvd. to I-12. Engineer of Record/Project Manager This project involved topographic survey and design of a new sidewalk. The topographic survey included the inclusion of utility records for the project and the design of the project included coordination, relocation, or adjust utility features in conflict with the proposed design.
4/18-07/20	Kimbleton Estates 3rd Filing. Engineer of Record/Project Manager. This project involved the civil site design of a single family residential neighborhood. Coordination and relocation to existing utilities and assurance of the utility to serve the development was required. Design of the subdivision also included accommodation of existing sewer utilities and roads traversing the site.
1/16-11/18	Heron Downtown. Engineer of Record/Project Manager. This project involved the civil site design of a proposed multistory multifamily residential complex. The building was constructed to the property line on all sides therefore location of existing utility infrastructure was critical. There were multiple utility conflicts that required coordination of the actual location relative to the property line and relocation of the utility beyond the project limits.
1998-2002	Ascension Parish Capacity Improvement Projects. Engineer of Record/Project Manager. These projects included the widening of several roadways within Ascension Parish. The design included preliminary and final plans and clearing and grubbing plans. Right of Way acquisition and utility relocations were required to accommodate the newly designed roadways. Utility coordination was necessary for the successful completion of these projects.

		Firm SJB Group, LLC	
Austin LaCombe, PE		Years of Relevant Experience with this Employer	2
Subsurface Utility Engineering Department Manager		Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization		B.S. / 2017 / Civil Engineering	
Active Registration Number / State / Expiration Date		PE.0047563 / Louisiana / 9/30/2025	
Year Registered		2023	Discipline Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		7. Subsurface Utility Engineering (SUE) and Utility Relocation. Austin manages Subsurface Utility Engineering (SUE) projects for SJB Group. He is tasked with managing day to day operations of SUE field crews to include project research, preparation of field packages, supporting field efforts, organization and processing of field data, client coordination, and preparation/QA/QC of project deliverables. Mr. LaCombe has significant experience working on a variety of projects with diverse timelines. He is also responsible for ensuring that all safety guidelines and policies are followed and acts as a branch liaison to the corporate safety director. Mr. LaCombe is also proficient in a variety of software including: Bentley InRoads, OpenRoads, MicroStation, TopoDOT, AutoCAD Civil 3D, and Leica Cyclone.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
10/23 - Present	LA DOTD Project No. H.003931 Calcasieu River Bridge Public-Private Partnership Project. SUE Department Manager SJB Group will provide Utility Coordination for the duration of the project. The I-10 Calcasieu River bridge project is the largest in the history of the LA DOTD and was one of the largest infrastructure contracts commissioned in North America in 2023. The existing bridge demolition and replacement will have a significant impact on existing utility facilities within the limits of the project which is a heavily congested industrial corridor. Utility coordination will be critical to facilitate construction of the improvements while keeping the project on time and within budget.		
11/22 – Present	City Parish Project No. 20-CP-US-0099 – MoveBR – Airline Highway North (Florida Boulevard to I-110). Project Manager. Sub to Huval and Associates. This project involves a Corridor LiDAR Survey and Quality Level C and D Subsurface Utility Engineering services on portions of northbound Airline Highway between Florida Boulevard and I-110 for the proposed improvements of the four-lane divided arterial to increase capacity and safety in the area as well as improve pedestrian movement through the corridor. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the design of the project.		
5/22 – Present	City-Parish Project No. 20-CP-US-0100 – MoveBR SUE for Airline Highway South. Project Manager. Sub to Stantec. SJB Group completed ASCE 38-02 Quality Level D services for the project. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project.		
7/22 – Present	LA DOTD Project No. H.013797 – LA 30: EBR PL I-10. Project Manager Sub to Michael Baker. This project is a Stage 1 Environmental Assessment to continue the State 0 Feasibility Studies for the LA 30 Corridor. SJB coordinated with all utility companies for the acquisition of records which were utilized for preparation of the Quality Level D Subsurface Utility Plan Set. Because of the complexity of the pipelines in this heavily congested industrial corridor, the services provided also included a field investigation to determine the arrangement of the pipeline placement throughout the project limits.		

11/21 – 3/22	Project No. 20-2057 – LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10). SUE Engineer. Sub to Meyers Engineers. This project involved ASCE 38-02 Quality Level "A" Subsurface Utility Engineering and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales at the proposed LA 30 Roundabouts near Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level "A" services, extensive Quality Level "D" records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations, and data management. The accurate location of these utilities was critical to alleviate disruptions to utility services as well as prevent conflicts and delays to the construction of the project in this heavily congested area.
10/21 – 2/22	LA DOTD Project No. H.009266.5 – I-10: LA 73 - LA30. Project Manager. LA DOTD was preparing plans to widen I-10 from 4 to 6 lanes from LA 73 to LA 30. This project involved Quality Level B SUE services at the LA73/I-10 interchange as well as Quality Level D services for the remainder of the project limits. The accurate location of these utilities was critical to allow for the proper design of the project.
1/20 – 11/20	LA DOTD Project No. H.002868.5 – I-49 South, Ambassador Caffery & US 90 Interchange. Project Manager/QA/QC. This project involved providing designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within the project limits. In this congested corridor, the first task required mapping subsurface utilities along several mile of the Ambassador Caffery and US 90 right-of-way. After the completion of the Quality Level B investigation, this information was compiled and reviewed to conduct Quality Level A services on critical utilities in an effort to further aid in the design process.
7/21 – 10/23	LA DOTD Project No. H.004100.5 – I-10: LA 415 to Essen Lane on I-10 and I-12. Project Manager / QA/QC. This project consisted of Boundary Surveying, Subsurface Utility Engineering, Property Survey, and Right-of-Way Mapping. The deliverables included preparation of property maps, a control sketch, right-of-way mapsets, and the creation of a .IN file. of the subject area that contained recreation of the railroad right-of-way. All surveying was performed to LADOTD Location & Survey Section requirements, and all Subsurface Utility Engineering was completed to ASCE 38-02 standards.
10/16 – 8/17	LA DOTD Project No. H.010560.5 – Essen Lane Widening (Route LA 3064), Perkins Road to I-10b. Assistant Project Manager. This project involved designating (Quality Level B) and locating (Quality Level A) SUE services to map the underground utilities within the project limits. This corridor is one of the most congested roads in Baton Rouge with utilities servicing business and medical facilities. All utilities inventoried were useful in helping the designer to fully understand the available space for the new construction and the impacts. Utility coordination services were provided to identify and resolve utility/design conflicts. Utility coordination was complicated due to the need to minimize right-of-way acquisition.
7/15 – 12/21	LA DOTD Project No. H.004273.5 – I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange). Project Manager/QA/QC. This project involved ASCE 38-02 Quality Level A and B services to map the underground utilities within the project limits spanning 7 miles of downtown Lafayette. Prior to Quality Level B activities, an extensive Quality Level D records-based map was created to aid in the preliminary design. This effort required multiple field leaders, detailed field data management, and constant oversight. After compiling the Quality Level B map, Quality Level A portion of the project was started in an effort to establish elevations on critical utility systems as well as unknown utilities found in the Quality Level B mapping. The overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor in combination with the Utility Coordination to keep utility owners aware of the mapping progress.


Firm SJB Group, LLC			
	Marshall Pounds Subsurface Utility Engineering Department Manager	Years of Relevant Experience with this Employer	<1
		Years of Relevant Experience with Other Employer(s)	25
Degree(s) / Years / Specialization		NA	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		7. Subsurface Utility Engineering (SUE) and Utility Relocation. <i>Marshall has over 25 years in the utility locating and construction industry. Mr. Pounds is a utility research specialist with a vast database of utility providers and contacts. He is tasked with records research, supporting field efforts, organization and processing of field data, client coordination, and preparation of project deliverables. He has a thorough knowledge of the Subsurface Utility Engineering C/ASCE Standard 38-22 Standard Guideline for Investigating and Documenting Existing Utilities.</i>	

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/23 - Present	LA DOTD Project No. H.003931 Calcasieu River Bridge Public-Private Partnership Project. Utility Coordination SJB Group will provide Utility Coordination for the duration of the project. The I-10 Calcasieu River bridge project is the largest in the history of the LA DOTD and was one of the largest infrastructure contracts commissioned in North America in 2023.
5/21-10/21	LADOTD H.003931.5, Calcasieu River Bridge (HBI). Utility Coordination. This project provided Quality Level B and Quality Level A SUE services as well as Utility Coordination during Design for this project along I-10 in Lake Charles, Louisiana. Utilities included water, gas, telephone, electric, cable, and fiber optic. Topographic survey, geophysical investigation and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and above ground surveyed features.
12/23-Present	City/Parish Project No. 20-CP-HC-0034 – MovEBR Jefferson at Corporate Intersection. Utility Coordination Sub to Bucharthorn. This project involved a Topographic Survey, Property Survey, Right-of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection. Utilities included water, gas, telephone, electric, cable, and fiber optic. Topographic survey, geophysical investigation and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards.
10/23-Present	MA-22-04 LA 73 at Cornerview Roundabout. Utility Coordination This project included a Property Survey, Topographic Survey, Right-of-Way Mapping, Quality Level "B" Subsurface Utility Engineering, Drainage Design, Quality Level "A" Subsurface Utility Engineering, Geotechnical Investigation, Roundabout Report, Preliminary and Final Design Plans for a proposed roundabout at the intersection. Utilities included water, gas, telephone, electric, cable, and fiber optic. Topographic survey, geophysical investigation and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and above ground surveyed features.
10/23-Present	MA-23-06 LA 73 at LA 74 Roundabout. Utility Coordination Sub to Volkert. This project included a Property Survey, Topographic Survey, Right-of-Way Mapping, Quality Level "B" Subsurface Utility Engineering, and Quality Level "A" Subsurface Utility Engineering, for a proposed roundabout at the intersection. Utilities included water, gas, telephone, electric, cable, and fiber optic. Topographic survey, geophysical investigation and the utility records were used to complete the drawings prepared in accordance with ASCE 38-02 standards. Engineering judgement was used to correlate records and above ground surveyed features.

FIELD SUPPORT SERVICES


8. Geotechnical Engineering Services

(See Section 14)

		Firm AECOM Technical Services, Inc.	
John Volk, PE (MPR 9) Vice President, Civil		Years of Relevant Experience with this Employer	39
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	MS/1984/Civil Engineer; BS/1983/Civil Engineer		
Active Registration Number / State / Expiration Date	38377/LA/03.31.26 Additional PE Licenses: PA, NJ, DE, NY, VA, OH, WI, IN, MD, WV, CT, SC, NC, TX		
Year Registered	2013	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	MPR 9. 8. Geotechnical Engineering John is a geotechnical engineering manager with significant experience in soft soils and ground improvement for earthen levees and port projects throughout the Gulf Coast and East Coast with contract values more than \$1 billion. He develops cost-effective solutions for foundation improvement and slope stabilization for challenging soils. John's geotechnical analysis and design experience includes seepage and slope stability, settlement, foundation design (driven piles, drilled shafts), floodwalls, closure gates, sector gates, and embankment design, following HSDRRS. John has 39 years of experience in the subsurface investigation, foundation design, retaining and earth structures, levees, dam and floodwall design of numerous projects in Pennsylvania and surrounding states (registered in 14 states). He has been significantly involved with levee/floodwall construction in New Orleans and levee design for 15 years.		
Experience Dates	Experience and qualifications relevant to proposed contract.		
11/2019 - 06/2024	I-635 East Design-Build Project, Dallas, Texas. Project Geotechnical Engineer. Responsible for retaining wall design for the I-635 East Reconstruction Project in Dallas, Texas. This 11-mile design-build highway project (\$1.75 billion) involves 96 MSE retaining walls that range from 10 to 20 feet in height. The highway is underlain by thick deposits of stiff clays. Ground improvement involving limited over-excavation and placement with crushed aggregate was required to meet stability and bearing requirements. Significant geotechnical investigation and laboratory testing program was performed as part of design.		
01/17 - 06/2024	Mid-Barataria Seawall Conversion Project, Terrebonne Parish, Louisiana. Senior Geotechnical Reviewer. Senior Geotechnical Reviewer for pile foundations and deep soil anchors for key elements of this \$1.9 billion project in the soft clays of south Louisiana. Major structures include 250 by 600 ft inlet structure through the Mississippi River levee, a 2200-ft long railroad bridge, 2200-long highway bridge, 180-ft access bridge, and 30-ft high retaining walls. All major structures will be pile supported primarily with 24 to 30-in open-ended pipe piles up to 120-ft long but also 18-in square concrete piles, H-piles, and timber piles. Over 2500 piles will be driven. Static load tests will be performed to verify design.		
01/16 - 06/21	I-64 Reconstruction in Virginia Beach, Virginia. Principal Engineer. Principal Engineer involved with the \$100 million I-64 Reconstruction in Virginia Beach, Virginia. John is responsible for ground improvement on approximately 2 miles of soft ground construction. Ground stabilization techniques that have been evaluated and utilized include: wick drains and surcharging, high-strength geotextile as base reinforcement, precast piled embankment., and lightweight fills (low density cementitious fill). Extensive instrumentation was utilized to monitor the performance of the soft soils.		


01/07 – 12/14	Design and re-construction of levees of 25 miles in New Orleans East. Lead Geotechnical Engineer. Lead geotechnical engineer for 7.5 miles of levees utilizing wick drains, high-strength geotextiles, and deep mixing methods for ground improvement. LPV 109.02a is a 7.5 mile reach in New Orleans East that included using I-10 as a levee. The existing levees were raised approximately four to seven feet with a protected side raise on virgin ground. The new levee construction requires embankment construction in two stages to heights of 18 to 22 feet above existing grades of the tidal marsh. The raises were accomplished with the use of stability berms, wick drains and high-strength geotextiles and geotechnical instrumentation. DMM (soil-cement mixing) was utilized under the drainage structures and pump stations.
01/20 – 12/23	Galveston District of USACE 11 Miles of Levees, Freeport, Texas for the USACE. Lead Geotechnical Engineer. Lead Geotechnical Engineer for 11 miles of levees in Freeport, Texas for the Galveston District of USACE. This project includes over 400 explorations (test borings and CPTs) and extensive laboratory testing program. The existing levees will be raised approximately two to seven feet with a protected side raise. The levees protect from the East Brazos River and include earthen levees, T-walls and I-walls. H-piles will be used for the design and construction of structures.
01/20 – 12/20	Southern Pennsylvania Transportation Authority (SEPTA) 30th and Locust Township Line Station, Havertown, PA. Project Geotechnical Engineer. Geotechnical investigation and geotechnical recommendations for upgrades to station platform.
01/24 – present	SEPTA, Wawa to Center City Line Reconstruction, Philadelphia, PA. Project Geotechnical Engineer. Geotechnical recommendations for design and construction of pile foundations including H-piles and micropiles.
01/24 – present	SEPTA, Newtown Bridge Reconstruction, Newtown, PA. Project Geotechnical Engineer. Geotechnical recommendations for design and construction of drilled pier foundations in the Schuylkill River and Freshaminy Creek.
01/23 – present	PennDOT, P3 Rapid Delivery of Bridge Replacement Project, Districts 4-0, 5-0, 6-0, 8-0, Various Counties, PA. Lead Geotechnical Engineer. Responsible for the site investigation and site characterization data along with preliminary foundation recommendations for 125 bridges extending across Districts 4, 5, 6, and 8.
01/14 – 05/16	Design & CM IDIQ Inner Harbor Navigation Canal Miter Gates, LA. Geotechnical Engineer. AECOM, in joint venture, provided construction management services for the construction of the miter gates at the Inner Harbor Navigation Canal.
01/16 – 12/16	Upper Dublin Township Flood Retarding Structures, Upper Dublin, PA. Principal Geotechnical Engineer. This project involved two flood control structures on Pine Run and Rappahannock Creek with a storage area of 400 acre-feet. The 15-foot-high dry dams with labyrinth weirs were designed and constructed to reduce flooding in the Washington Business Park. Provided a diverse range of services including geotechnical investigations and hydrology, surveying, engineering, permitting, and plans, specs, and cost estimating.
01/08 – 12/08	Philadelphia Eagles Stadium, Philadelphia, PA. Geotechnical Engineer of Record. Responsible for stadium foundations that involved 3,700 piles to depths of 120 feet. A test pile program and CAPWAP analyses assisted in the design and in estimating tip elevations for construction. Capacity of the piles was confirmed by load-tests. Seismic evaluation included development of multilevel site specific bedrock ground motions and site response spectra for structural engineers. A liquefaction evaluation was also performed.

Firm		Ardaman & Associates, Inc.	
Donald Anthony Senior Driller		Years of Relevant Experience with this Employer	21
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		High School Diploma	
Active Registration Number / State / Expiration Date		N/A	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		8. Geotechnical Engineering. Donald has over 15 years of experience drilling in the Louisiana Gulf Coast Region. This experience has included soil borings (on land and over water), CPT, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. He has drilled in very soft organic rich soils, very stiff clays, sands and gravels. Mr. Anthony served as Ardaman's driller for the LA-1 new elevated highway project in Lafourche Parish where he conducted soil borings and CPTs via airboat to depths of 200 feet.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/15-Ongoing	SP NO. H.004273.5 I-49 CONNECTOR (LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE): Lafayette Parish, LA. Drilling Supervisor. Supervised the completion of preliminary field investigation consisting of 120 deep borings, 19 CPT soundings, and 26 shallow borings.		
04/14-05/23	SP NO. H.004435 / I-12 TO BUSH SEGMENT 2, LA 3241: St. Tammany Parish, LA. Drilling Supervisor. Oversaw the completion of 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings and sampling along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2.		
08/08-02/12	SP NO. 700-09-0166 & H.003886.5 / I-49 SEGMENTS E-J: Caddo, LA. Drilling Supervisor. Conducted field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.		
02/12-11/13	SP NO. H.003495.5 / I-49 SEGMENT K (I-220 TO MLK): Caddo Parish, LA. Drilling Supervisor. Conducted field reconnaissance, which included rights of entry, utility locations, access and locating all deep and shallow borings. Oversaw completion of numerous deep and shallow borings in accordance with LADOTD standards.		
07/09-11/11	LA 1, PHASE 1 AND PHASE 2: Lafourche Parish, LA. Senior Driller. Mr. Anthony performed drilling and CPT services for a geotechnical investigation conducted in Louisiana coastal marshes utilizing a fleet of customized airboats. This project included over 100 boring and CPT sounding sample locations.		
07/18-Ongoing	MID-BRETON SEDIMENT DIVERSION: Plaquemines Parish, LA. Senior Driller. Mr. Anthony serves as Senior Driller for CPRA's Mid-Breton Sediment Diversion Project which will reconnect the Mississippi River to the deteriorating deltaic wetlands in the Breton Sound Basin. This project includes a control structure in the mainline levee along the Mississippi River. The project also includes an associated river inlet channel, a conveyance channel across the protected landside area, and a back structure through the existing hurricane surge protection levee. The fieldwork for this project included over 50 sample locations inclusive of 3-in and 5-in diameter borings, CPTs, Vane Shear tests, and resistivity testing.		


Firm Ardaman & Associates, Inc.	
 Megan Bourgeois, PE (MPR 9) Project Engineer	Years of Relevant Experience with this Employer 18
	Years of Relevant Experience with Other Employer(s) 0
Degree(s) / Years / Specialization	BS / 2006 / Civil Engineering Traffic Control Supervisor Refresher / LA / 8-7-2024 DOTD Flagger / LA / 8-8-2024 Certified NHI Drilled Shaft Inspector
Active Registration Number / Expiration	36725 / LA / 03-31-2026
Year Registered	Discipline Civil
Contract Role(s) / Brief Description of Responsibilities	<p>3. Geotechnical Engineering <i>Ms. Bourgeois has nearly two decades of experience with shallow foundation design, bankment settlement analysis, and drilled shaft foundation analysis, LRFD design, slope stability (embankment and excavation), pile foundation, pump station recommendations, geotechnical instrumentation, installation, monitoring, and construction phase testing and laboratory management. She has managed numerous geotechnical investigations and design evaluations, managed laboratory testing programs, while also serving as a team manager for many LADOTD projects for bridges and roadways throughout Louisiana. Ms. Bourgeois is currently the director of our geotechnical engineering laboratory in Baton Rouge. In this role, she supervises laboratory staff, oversees testing, provides guidance to laboratory staff, and ensures appropriate protocols and deadlines are met in addition to providing training material and maintaining all laboratory certifications including AMRL, CCRL, DEQ & USACE.</i></p>
Experience Dates	Experience and qualifications relevant to proposed contract.
10/09 - Ongoing	<p>SP No. H.004646.5 / I-20 Mississippi River Bridge Rehabilitation Project, Vicksburg, MS. Project Manager. Ms. Bourgeois manages this multi-million-dollar, high risk, high technical, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. She managed a technical team including geotechnical engineers, geohydrologists, instrumentation specialists, and 3D finite element modeling experts. She managed and personally oversaw a comprehensive laboratory testing program and was involved in the geotechnical site characterization for the bank/bluff where there was evidence of differential settlement and creating movement in the bridge structure. For specialized testing, she personally performed or managed included x-ray diffraction for the determination of mineralogy, x-ray scanning electron microscopy on extruded samples to identify existing shearing planes, stress-reversal shear tests to determine true residual angles of critical failure surfaces. She was instrumental in designing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ms. Bourgeois performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. She co-authored the geotechnical analysis and design report. Currently, she is managing a phase of the project that included upgrading the entire instrumentation communication system and will be monitoring this system continuously.</p>
10/18- 06/21	<p>SP No. H.000263 / Chef Menteur Pass Bridge & Approach: Orleans Parish, LA. Project Manager. Managed and oversaw all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ms. Bourgeois also managed laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, oversaw the field resistivity testing program, and developed the data report.</p>

04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-Ongoing	SP No. H.004100.5 / I-10: La 415 To Essen Lane On I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Engineer. Leads technical reviews pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
07/21-01/22	SP No. H.00395 / Calcasieu River Bridge: Calcasieu Parish, LA. Project Engineer. Managed all aspects of this project pertaining to coordination of field investigations including 37 deep soil borings, 39 ECRP, and 11 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some from a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Ms. Bourgeois also managed and oversaw the laboratory testing program, processing and analyzing CPT and ER data. She also worked with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design of a project that consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 between LA 210 and LA 210 interchange and various other interchanges including entrances, exits and service roads.
03/19-07/20	SP No. H.004100.5-2 / I-10 Widening (La 415 to Howard St): East Baton Rouge Parish, LA. Project Manager. Managed all aspects of the geotechnical investigation in support of widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 37 deep soil borings, 39 ECRP, and 11 cone penetrometer (CPT) soundings, electrical resistivity imaging along the entire alignment, laboratory testing, and preparation of geotechnical data report.
12/12- Ongoing	SP No. H.009266 / I-10 Widening (La 73 to La 30): Ascension Parish, LA. Project Manager. Managing all aspects of the project that include field investigations consisting of deep soil borings and new soil borings, laboratory testing, and engineering design in support of the widening of the East and Westbound lanes and elevated structures along I-10 between LA 73 and LA 30 spanning approximately 5 miles. Ms. Bourgeois completed analyses including settlement estimates with recommendations for monitoring, driven pile design including down drag calculations, and pavement section recommendations; all completed according to DOTD standards.
09/20-Ongoing	SP No. H.013897 / I-10 / I-12: East Baton Rouge Parish, LA. Project Engineer / Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well served as quality control and review of all acceptance verification sampling and testing during construction.
02/20-Ongoing	SP No. H004791 / Design Support Services La 23, Belle Chasse Bridge & Tunnel: Plaquemine Parish, LA. Project Engineer/Laboratory Director. Ardaman's scope consists of review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's. In addition, Ardaman performs acceptance verification sampling and testing during the construction for soils and concrete. Ms. Bourgeois assisted in review and acceptance of geotechnical services as well served as quality control and review of all acceptance verification sampling and testing during construction.


Firm	Ardaman & Associates, Inc.		
Casey Floyd Drilling Supervisor	Years of Relevant Experience with this Employer		4
	Years of Relevant Experience with Other Employer(s)		30
Degree(s) / Years / Specialization	High School Diploma		
Active Registration Number / State / Expiration Date	Traffic Control Supervisor / LA / 9-6-2027 Traffic Control Technician / LA / 9-5-2027		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	8. Geotechnical Engineering. Casey has over 30 years of experience drilling in the Louisiana Gulf Coast Region. This experience has included soil borings (on land and over water), CPT, monitor well installation and abandonment, and installation of geotechnical monitoring instrumentation. Mr. Floyd has planned many LADOTD geotechnical investigation projects. He has arranged right of entry, utility locations, site clearing, arranging for police assistance (if needed) for traffic control/crew safety, and coordinating between engineering staff and drill crew.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Drilling Supervisor. Assisted with all aspects of this project pertaining to coordination of fieldwork including 31 deep soil borings. Some of these borings were performed through the middle of bridges and at hard access locations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.		
10/18- 01/20	SP No. H.000263.5-1 / Chef Mentour Pass Bridge & Approach: Orleans Parish, LA. Drilling Supervisor. Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Ardaman also developed soil boring logs and prepared a geotechnical data report.		
03/19-07/20	SP No. H.004100.5-2 / I-10 Widening (La 415 To Howard St): East Baton Rouge Parish, LA. Drilling Supervisor. Helped oversee the field investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, and electrical resistivity imaging along the entire alignment.		
07/21-01/22	SP No. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA. Drilling Supervisor. Helped manage and oversee all aspects of an extensive field investigations program which included 37 deep soil borings and 39 CPT soundings.. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass.		

Firm		Ardaman & Associates, Inc.		
	Robert Jewell, PE		Years of Relevant Experience with this Employer	17
	Project Engineer		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering		
Active Registration Number / State / Expiration Date		38579 / LA / 09-30-2024 Traffic Control Supervisor / LA / 09-25-2024		
Year Registered		2013	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities		8. Geotechnical Engineering. Robert serves as the manager of Ardaman's Baton Rouge office and as project manager for various geotechnical engineering projects which include analyses such as pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. He has managed and coordinated many geotechnical field investigations, including shallow and deep borings, CPT soundings, and performed analyses and prepares design recommendation reports for LADOTD projects. Mr. Jewell has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation.		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
10/18- 06/21	SP No. H.000263 / Chef Menteur Pass Bridge & Approach: Orleans Parish, LA. Project Engineer. Helped manage and oversee all aspects of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water. Mr. Jewell also helped develop the soil boring logs and preparation of the data report.			
10/18-01/19	SP No. H.003370 / I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access Road: Bossier Parish, LA. Project Manager. Prepared the preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. Jewell oversaw the field construction services consisting of PDA monitoring, bi-directional load cell load tests, and settlement monitoring.			
03/19-07/20	SP No. H.004100.5-2 / I-10 Widening (La 415 To Howard St): East Baton Rouge Parish, LA. Project Engineer. Comanaged all aspects of the geotechnical investigation in support of the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation will include 58 deep borings and 11 cone penetrometer (CPT) soundings, field resistivity testing, and associated laboratory testing and the preparation of a geotechnical data report.			
07/21-Ongoing	SP No. H.004100.5 / I-10: La 415 To Essen Lane On I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Project Manager. Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.			
09/20-Ongoing	SP No. H.013897 / College Dr Flyover Ramp I-10 / I-12: Baton Rouge Parish, LA. Project Engineer. Helped oversee review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's.			
02/20-Ongoing	SP No. H004791 / Design Support Services La 23, Belle Chasse Bridge & Tunnel: Plaquemine Parish, LA. Project Engineer. Helped oversee review and acceptance of all geotechnical services including technical design reports, field documentation, drawings, and RFI's.			


04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Project Manager. Leads all aspects of engineering analyses pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.
07/21-01/22	SP No. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA. Project Engineer. Lead technical review of all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Mr. Jewell also assisted with review of the laboratory testing program, processing and analyzing of the ECPT and ER data. He also assisted with development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.
07/15-Ongoing	SP No. H.004273.5 / I-49 Connector (Lafayette Regional Airport To I-10/I-49/Us 167 Interchange): Lafayette Parish, LA. Project Manager. Manages the Phase I geotechnical investigation, which included 116 deep and shallow soil boring, and 15 CPT soundings. The design was for the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. He will be the co-principal for developing the Geotechnical Investigation and Design Report to be developed for this project. In addition, he will also oversee and coordinate the Phase 2 field and laboratory program which will include a total of more than 400 borings including deep borings, shallow borings, and CPT soundings.
04/14-05/23	SP No. H.004435 / I-12 To Bush Segment 2, La 3241 (La 36-La435): St. Tammany Parish, LA. Project Manager. Oversaw and coordinated the geotechnical investigation which included drilling 32 deep soil borings, 10 culvert borings, and 88 shallow roadway borings, sampling, and laboratory testing along the alignment which includes two bridges: LA 435 over Bayou Lacombe Tributary and LA 36 over Bayou Lacombe Tributary 2. Assisted in developing the geotechnical analyses and design recommendation report which included pile foundations for the bridge structures and shallow foundation design for the culverts. Mr. Jewell oversaw the construction phase which included dynamic testing and settlement monitoring.
10/14-12/16	SP No. H.010601.5 / I-10 Widening (E. Junction I-49 To La 328): St. Martin Parish, LA. Project Engineer. Oversaw and coordinated the geotechnical investigation which included 44 deep borings and 25 cone penetrometer (CPT) soundings, associated laboratory testing, and preparation of a geotechnical data report for the widening of the nine existing structures along I-10 between I-49 to LA 328 spanning approximately 7 miles.
07/09-08/11	SP No. 700-29-0112 / La-1- Phase 1: Lafourche Parish, LA. Assistant Project Engineer. Served in the field as on-site geotechnical engineer during construction for this project in southeast Louisiana. He conducted dynamic monitoring using the Pile Driving Analyzer, performed CAPWAP analyses, reviewed drive logs, and supervised field technicians.

Firm		Ardaman & Associates, Inc.		
	Jarmon King, EI Assistant Project Engineer		Years of Relevant Experience with this Employer	5
			Years of Relevant Experience with Other Employer(s)	1
Degree(s) / Years / Specialization		BS / 2019 / Civil Engineering		
Active Registration Number / State / Expiration Date		EI 34348/ LA / 03-31-2026 Traffic Control Supervisor / LA / 11-8-2027 DOTD Flagger / LA / 5-29-2028		
Year Registered		2019	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities		8. Geotechnical Engineering. Jarmon serves as an assistant project engineer of Ardaman in the Baton Rouge office. Mr. King is involved with overseeing and conducting geotechnical investigations. Mr. King also prepares soil boring logs; processes and analyzes Cone Penetration Test (CPT) sounding, data, performs pile and settlement analyses; assists with writing geotechnical reports; and helps coordinate field and laboratory operations. Mr. King has experience in overseeing and performing Pile Driving Analyzer (PDA) testing during construction projects.		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
03/19-07/20	SP No. H.004100.5-2 / I-10 Widening (La415 To Howard St): East Baton Rouge Parish, LA. Assistant Project Engineer. Mr. King evaluated the laboratory test results and produced logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, associated laboratory testing and the preparation of a geotechnical data report.			
01/15-Ongoing	Pecue Lane / I-10 Interchange: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing and CAPWAP analyses for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge.			
10/18-06/21	SP No. H.000263 / Chef Menteur Pass Bridge & Approach: Orleans Parish, LA. Assistant Project Engineer. Helped produced soil boring logs and CPT soundings in LADOTD format. Assisted with development of the data report.			
10/18-01/19	SP No. H.003370 / I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access Road: Bossier Parish, LA. Assistant Project Engineer. Assisted the Project Manager in preparing the preliminary planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and construct an interchange and access road from Interstate 20 in Bossier City, Louisiana. Mr. King performed PDA testing and CAPWAP analyses for the field construction during the test pile program.			
07/21-Ongoing	SP No. H.004100.5 / I-10: La 415 To Essen Lane On I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Assistant Project Engineer. Assists in engineering analyses pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.			
04/21-Ongoing	SP Nos. 700-29-0112, 700-29-0130, H.012565, H.012891, H.014251, H.014252, H.014253, H.014254, H.014256, H.014257 / Rural Bridge Initiative Phase II: West Feliciana, East Feliciana, Livingston, St. Bernard Parishes, LA. Assistant Project Engineer. Assists in engineering design pertaining to selection of design reaches, geotechnical design of pile foundations, drivability, slope stability, settlement analyses and construction testing program recommendations. This project consists of the replacement of multiple small two-lane bridges throughout rural areas of Southeast Louisiana which generally ranged in length from 100 to 400 feet, mainly over small rivers and creeks.			

07/21-01/22	<p>SP No. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA. Assistant Project Engineer. Assisted with all aspects of this project pertaining to coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. He also assisted with the laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.</p>
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Firm		Ardaman & Associates, Inc.		
	Ross McGillivry, PE (FL)		Years of Relevant Experience with this Employer	27
	Senior Consultant		Years of Relevant Experience with Other Employer(s)	29
Degree(s) / Years / Specialization	BCE / 1966 / Civil Engineering MS / 1968 / Civil Engineering (Soil Mechanics)			
Active Registration Number / State / Expiration Date	17920 / FL / 02-28-2025			
Year Registered	1998	Discipline	Civil	
Contract Role(s) / Brief Description of Responsibilities	<p>8. Geotechnical Engineering. As a principal engineer working from the Tampa office of Ardaman, Ross provides technical review and consultation on projects involving building and bridge foundations, geotechnical and materials engineering for port facilities, pavement systems, earth structures, surface mining, ground water hydrology and sinkhole evaluation and remediation. He has provided engineering review or design on projects with Ardaman offices in Florida as well as for offices in Baton Rouge and New Orleans, Louisiana.</p> <p>Ross managed the operations of the soil mechanics laboratory as a Research Engineer at MIT from 1968 to 1970, and conducted research into the behavior of soil and soil-like industrial waste products while at MIT. He worked as a staff engineer on projects in North Carolina, Florida, Alaska and Venezuela for Lambe & Associates, Inc. of Cambridge, Massachusetts, including the evaluation of soil stability and anchor capacity for a large retaining wall for the Parque Central' project in Caracas, Venezuela and the development of a permafrost and soil mechanics laboratory in Anchorage, Alaska. Ross was the branch geotechnical and materials engineer for Pittsburgh Testing Laboratory's Tampa Florida branch office where he supervised the completion of site exploration programs for building foundations and designed earthen dams to contain waste clay tailings from phosphate processing from 1972 to 1974. He founded ARMAC Engineers, Inc. in 1975, working on building foundations, sinkhole evaluation and remediation, mine slope stability and earthen dam projects. He joined Ardaman & Associates, Inc. in 1996 as a Senior Engineer, working on mining, building foundation and bridge foundation projects.</p>			
Experience Dates	Experience and qualifications relevant to the proposed contract.			
09/01 – 11/01	I-10/12 Sound Walls, Wall 6-Design Lateral Load Test On Drilled Shafts / Sound Wall Shaft CIs Evaluation: Baton Rouge, LA. Principal Engineer. Ross performed a re-design for the drilled shafts supporting the I-10/I-12 sound wall system in Baton Rouge, LA, and performed an instrumented lateral load performance on a 48-inch diameter drilled shaft. The results of the load test compared analyses performed with Standard Penetration Test Boring Data to analyses performed with Cone Penetrometer Test (CPT) sounding data. Ross also evaluated the results of Cross-Hole Sonic Log (CSL) tests on installed drilled shafts and developed repair procedures when drilled shafts were shown to have CSL detected flaws. The repair procedures were accepted by LADOTD for the project.			
7/15 –Ongoing	SP No. H.004273.5 / I-49 Connector (Lafayette Regional Airport To I-10/I-49/Us 167 Interchange): Lafayette Parish, LA. Senior Consultant. Ross helped review all of the geotechnical design including deep foundations, lateral load analyses, earth retaining structures in support of the construction of 5 miles of freeway consisting of a 3.5-mile elevated structure that will include pile supported approach slabs, pile foundations, slope stability, embankment settlement, advanced load test programs, and earth retaining structures. Ross will help with review and preparation of the Phase 1 preliminary Geotechnical Design Report.			

10/18 – 01/19	SP No. H.003370 / I-220 / I-20 Interchange Improvement And Barksdale Air Force Base Access Road: Bossier Parish, LA. Senior Consultant. Ross helped review and perform analyses of Drilled Shaft Load Tests and Static Capacity for this Design Build project consisting of direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and an interchange and access road from I-20 in Shreveport, Louisiana.
02/20-Ongoing	SP No. H004791 / Design Support Services La 23, Belle Chasse Bridge & Tunnel: Plaquemine Parish, LA. Senior Consultant. He conducted analyses of data from dynamic monitoring of pile driving using the Pile Driving Analyzer, evaluated CAPWAP analyses, reviewed drive logs, performed independent analyses of static pile capacity and analyses of load test data. Ross also performed independent analyses for MSE Wall Stability and performed independent analyses of pile foundations for the Toll Gantry.
5/05 – 11/05	I-10 Bridges Over Escambia Bay: Pensacola, FL. (AAI 05-40-1149) Principal Engineer. The I-10 bridge over Escambia Bay was damaged by Hurricane Ivan in 2004. The two bridges were three lanes, 2.6 miles long with 103 spans for each bridge. Ross T. McGillivray, PE (FL) worked as the Lead Geotechnical Engineer with Ardaman's Tallahassee, Florida office for the design of foundations for the replacement bridges. The project was the first project since 1972 in Florida to use 36-inch voided Prestressed Concrete Piles. The soil conditions consisted of deep, soft silt and clay sediments over loose sand underlain by medium dense to dense sand. Driving criteria were established for two different pile hammers with maximum driving energy of 150 kip-ft.-lbs. but with ram weights of 30 and 60 kips. Wave Equation Analyses and PDA/CAPWAP showed that the lighter ram hammer was marginal for production piling installation. Both Vertical and Lateral Load tests were performed for the project, with good correlation between the Vertical Load test results and the Static Capacity and PDA/CAPWAP analyses. Lateral load performance analyses showed that the soils strengths projected from Cone Penetrometer Tests were required to model the results of the load test.
6/09-2/10	SR 686 Overpass Bridge: St. Petersburg, FL., 2009-10 (AAI 0-55-9627) Principal Engineer. The SR 686 Overpass Bridge is 1,500 feet in length and crosses over a solid waste landfill with a slurry wall confinement and the in-situ clay stratum as a liner system. The initial foundation design by another firm consisted of 24-inch Prestressed Concrete Piles driven inside of 36-inch diameter steel casings, with the piles to be grouted into the casings. Ardaman & Associates, Inc. was asked to evaluate the foundation options and to provide an alternative foundation design for the project. Mr. Ross T. McGillivray, PE was the Lead Geotechnical Engineer for the project. He proposed using non-redundant drilled shafts to reduce the number of penetrations of the underlying clay stratum confining stratum. The additional foundation explorations included rock coring and Pressure Meter Testing in the intermediate geo-material (weathered limestone) underlying the site. The results of Unconfined Compression Tests and Split Tensile tests on rock cores were analyzed with the results of the Pressure Meter Tests to optimize the design of the drilled shafts. The final design consisted of 36, 48 and 60-inch diameter drilled shafts. Two load tests were specified using the Osterberg Cell (O-Cell), each with a 2-inch Styrofoam toe to allow measurement of the fully mobilized skin friction on the shaft above and below the O-Cell. Ardaman performed pilot borings at each drilled shaft for final design, and inspected the installation of all the drilled shafts for the project.
07/21-Ongoing	SP No. H.004100.5 / I-10: La 415 To Essen Lane On I-10 & I-12 (CMAR): Baton Rouge Parish, LA. Senior Consultant. Leads technical reviews of pertaining to selection of design reaches, geotechnical design of deep foundations, earth retaining structures, slope stability, soil-structure interaction with existing structures and load testing recommendations. This is a Construction Management at Risk (CMAR) project which includes widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish spanning approximately 2.5 miles.
09/20-Ongoing	SP No. H.013897 / College Dr Flyover Ramp I-10 / I-12: Baton Rouge Parish, LA. Senior Consultant. Performed reviews of project submittals and conducted analyses of provided static, bi-directional jack load test data on a drilled shaft. Provided comments regarding the locations of settlement monitoring plates for ramp fill and performed independent analyses of a sheet pile wall for the project to check the contractor's submittal. Also performed lateral load analyses for a 6-ft. diameter drilled shaft.

Firm		Ardaman & Associates, Inc.		
	Robert Rousset, PE		Years of Relevant Experience with this Employer	18
	Project Engineer, Vice President		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS / 2008 / Civil Engineering		
Active Registration Number / State / Expiration Date		38637 / LA / 09-30-2024		
Year Registered		2014	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities		<p>8. Geotechnical Engineering. Robert serves as the manager of Ardaman's New Orleans office and as project manager for various geotechnical engineering projects as well as contract administrator of several major contracts. He has managed projects that have included pile and drilled shaft foundations, shallow foundations, static and dynamic pile testing, and slope stability. Robert has extensive experience in construction phase testing and oversight including dynamic and static testing, pile integrity testing, cross hole sonic logging, settlement monitoring, and geotechnical instrumentation.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
07/14-05/18	SP No. H.004113 / I-12 To Bush Segment 3, LA Highway 3241 (LA 435 TO LA 40 / LA 41): St. Tammany Parish, LA. Project Manager. Oversaw and coordinated the geotechnical investigation which included 26 soil borings, sampling, and laboratory testing along the alignment that included one bridge, LA 435 over Talisheek Creek. Oversaw geotechnical analyses and preparation of design recommendation report which included pile supported approach slabs and pile foundations for the bridge structures and shallow foundation design for the culverts.			
05/12-03/13	SP No. H.002260.5 / Goose Bayou Bridge Route LA 45: Lafitte, LA. Assistant Project Engineer. Managed geotechnical investigation for the bridge that included drilling and laboratory testing of 2 deep soil borings and 4 CPT soundings performed with barge-mounted drilling equipment under difficult access conditions. Assisted with providing final soil boring logs and CPT sounding logs in LADOTD format.			
07/09-08/11	SP No. 700-29-0112 / LA 1 – Phase 1: Lafourche Parish, LA. Assistant Project Engineer. Served in the field as onsite engineer for Phase 1A of this project in southeast Louisiana. The completed project consisted of 17 miles of elevated roadway with low-level bridges and medium-level bridges, two elevated interchanges, and two fixed high-level bridges over navigable waterways. Conducted dynamic monitoring using PDA, performing CAPWAP analyses, reviewed drive logs, and supervised field technicians.			
03/11-02/12	SP No. H.003886.5 / I-49 Segment J: Caddo Parish, LA. Assistant Project Engineer. Mr. Rousset planned the geotechnical investigation program, coordinated field activities, assigned lab testing, reviewed laboratory test results, classified soil types based on laboratory tests, and compiled soil boring logs in the LA DOTD format.			
08/09-12/09	Central Thruway: East Baton Rouge Parish, LA. Assistant Project Engineer. Performed PDA testing on pre-stressed, pre-cast concrete piles for various bents.			
03/19-07/20	SP No. H.004100.5-2 / I-10 Widening (LA415 To Howard St): East Baton Rouge Parish, LA. Project Engineer. Ardaman's scope of work for this project consisted of evaluating laboratory test results, including consolidation testing, and producing soil boring logs for the widening of the East and Westbound lanes, elevated structures, and construction of interchange and ramps on Westbound lanes along I-10 between LA 415 and Howard Street spanning approximately 1 mile. The geotechnical investigation included 58 deep borings and 11 cone penetrometer (CPT) soundings, electrical resistivity geophysical surveys, associated laboratory testing and the preparation of a geotechnical data report. Mr. Rousset assisted with the fieldwork portion of this project.			

2020 - Ongoing	SP Nos. (Multiple) / Rural Bridges Replacement Initiative: Avoyelles and Webster Parishes, LA. Project Engineer. This project consisted of the replacement of multiple small rural bridges throughout Central and North Louisiana. He oversaw the field investigation, lab testing, and engineering analyses for the project. Engineering analyses consisted of axial pile capacities, pile drivability, settlement, and slope stability analyses.
08/16-07/19	CS-65 / Calcasieu Ship Channel Salinity Control Measures (Cs-65) Phase 1a Project: Cameron & Calcasieu Parish, LA. Project Manager. The project aims to limit saltwater intrusion and reduce land loss across various bayous, marshes, and lakes within the vicinity of the Calcasieu Ship Channel (CSC), located across Cameron and Calcasieu Parish. Stretching across 20 miles, the project consists of various sill structures, erosion control measures, and channelization structures. Mr. Rousset served as project manager for this project where he coordinated all field investigation(s), laboratory testing, and geotechnical engineering analyses.
07/21-01/22	SP No. H.003931 / I-10 Calcasieu River Bridge: Calcasieu Parish, LA. Project Engineer. Assisted on coordination and oversight of aspects of this project pertaining to marine based field investigation. The fieldwork consisted of a series of soil borings and CPTs with challenging access requirements. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass.
09/18-10/22	SP No. H.001344 / Us 190: La 437 To Us 190 Bus (PH 1): St. Tammany Parish, LA. Project Manager. Mr. Rousset is managed this project which included the widening of US 190 to a four-lane boulevard between US 437 and US 190. A new bridge over the Bogue Falaya River will be constructed adjacent to, and east of, the existing bridge. The existing bridge will remain and function as two lanes of southbound traffic. The new bridge will be 54-feet-wide with three 12-foot travel lanes for 2 northbound traffic with an eight-foot shoulder to the inside and a 10-foot shoulder to the outside. Mr. Rousset managed the field investigation and laboratory testing.
07/16-10/21	SP No. H.011152.5 / I-12 Widening (US 190 to LA 59): St. Tammany Parish, LA. Project Manager. Mr. Rousset managed this project which included the widening of Interstate 12 in St. Tammany Parish. Ardaman conducted a geotechnical investigation which included 23 deep soil borings, sampling, and laboratory testing along the 3-mile alignment between US 190 and LA 59 for lane widening which included four bridges structures. The field investigation, conducted in accordance with LADOTD specifications, included field reconnaissance including determining access and gaining rights of entry, completing utility locations, locating/staking boring locations, and developing a plan for the initial mobilization of equipment to the site and mobilization between sites. Soil boring logs were created in LADOTD format. Engineering analyses for a retaining wall for one of the bridge abutments was conducted.
10/18-01/19	SP No. H.003370 / I-220 / I-20 Interchange Improvement and Barksdale Air Force Base Access Road: Bossier Parish, LA. Project Engineer. Assisted in planning and coordination of installation of automated settlement monitoring instrumentation. Also assisted in preliminary design and planning report for this Design Build project which provides direct access to Interstate I-20 from the Barksdale Air Force Base (BAFB) and constructing an interchange and access road from Interstate 20 in Bossier City, Louisiana.

3. Quality Control Reviews and Peer Reviews *(See Section 14)*

Firm AECOM Technical Services, Inc.			
	Daniel Boyd, PE, CBI Structural Engineer VI	Years of Relevant Experience with this Employer	5
		Years of Relevant Experience with Other Employer(s)	13
Degree(s) / Years / Specialization		BS/2006/Civil Engineering	
Active Registration Number / State / Expiration Date		36728/LA/03.31.26 Additional active license: MS, TX	
Year Registered		2011	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		3. Quality Control Reviews and Peer Reviews, 10. Bridge Design Services. Daniel has more than 17 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 Louisiana DOTD 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 is also a certified bridge inspector.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/20 – present	TxDOT, LBJ East Design Build Project, Dallas, TX. Structural Task Lead and Engineer of Record. Completed detailed Independent Design Checks (IDC) for two prestressed 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. Served as structural task leader during Design Services During Construction (DSDC) phase to answer RFI's, resolve field issues, review shop drawings, plan and schedule drawing and/or calculation revisions, etc.		
03/21 – present	TxDOT, Oak Hill Parkway, Austin, TX. Design Engineer. 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. Provided engineering support during Design Services During Construction (DSDC) phase to answer RFI's, resolve field issues, review shop drawings, etc.		
10/20 – 02/21	TxDOT, IH 820 SE Connector Design-Build Project, Fort Worth, TX. Structural Design and QA/QC. 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 performed QA/QC on numerous bridge calculations, and detailed plan reviews on bridge plan drawings.		

03/21 – 09/21	LADOTD (SPN H.004273.5), I-49, Connector, Lafayette, LA. Structural Review. 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.
04/20 – 11/20	Port of Gulfport, Port of Gulfport Connector, Gulfport, MS. Structures Discipline Leader. 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 Ave. spanning Hwy. 90 providing direct trucking access into the Port of Gulfport.
10/19 – 12/20	Coastal Protection and Restoration Authority, LA 23 Bridge over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA. Structural Engineer. 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. Provided calculation and plans peer reviews and QA/QC.
10/06 – 08/11	LADOTD, US 71/165 Fort Buhlow Bridge/KCS Railroad Overpass, Alexandria, LA. Structural Design Engineer. Designed main river spans consisting of two 3-span units (one each direction) with 300'-400'-300' steel plate girder spans, and multiple steel simple spans greater than 200' crossing river levees. Designed all aspects and components of the steel plate girder bridge units, including diaphragms, bolted splices, bearing, stiffeners, etc. 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. Collaborated with steel fabricator to review/approve shop drawings and RFI's.
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. Performed structural analysis on multiple aspects of project. Design included concrete bridge deck, guard rails, analysis and design of prestressed quad beam concrete girders, girder bearing design, and prestressed concrete piles and concrete bents. Also performed calculation reviews on multiple aspects of project.

5. Traffic Engineering and
Design Services
- Plan Development
(See Section 14)


16. Staff Experience

	Firm AECOM Technical Services, Inc.	Jonathan McDowell, PE (MPR 1, 2 & 3) Associate Vice President	Years of Relevant Experience with this Employer	21
			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 Additional active license: PE: MS, AR; ATSSA Traffic Control Supervisor – LA State Specific (2023/Exp. 2027); LADOTD Traffic Process and Report Parts 1, 2 and 3 (2019); FHWA-NHI-142005 NEPA and Transportation Decision-Making (2011); AASHTO Highway Safety Manual (2013)
Year Registered	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	13. Principal-in-Charge; Project Manager 15. Traffic Engineering and Design Services – Plan Development 12. Construction Support Services (Bike/Ped/Complete Streets). Jonathan has served as 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 studies, NEPA, EISs, line and grade alternatives development for new roadways and improvements, roadway construction contract administration, and construction engineering and inspection for highway and structure projects. Design projects have included interstate highways, urban and rural roadways, railroad crossings, railroads, drainage canals and culverts, and intermodal yard and port security improvements. With his experience, he has the understanding of the project delivery process required to bring a transportation idea to a built reality.

Experience Dates	Experience and qualifications relevant to the position
03/23 – present	LADOTD, LA 561 Boeuf River Bridge Replacement (SP-1970.1), Hebert, Caldwell, and Richland, Parishes, LA. Road Design Task Leader. Replacement of a 700' long truss bridge with a prestressed concrete girder bridge. Tasks included the development of the horizontal and vertical geometry of the bridge replacement on the existing alignment while updating the typical section of the road to current standards and modifying the adjacent gravel local road, Mack Road, that serves four residences along the Boeuf River.
10/21 – present	Louisiana Intermodal Terminal Preliminary Design, Port of New Orleans, Violet, LA. Deputy Project Manager and Project Engineer. Preliminary design of the intermodal container yard facility along the Mississippi River near Violet, Louisiana. Developed conceptual design for the relocation of Bernard Highway (LA 46), improvements along Perez Drive (LA 39), and the access interchange and the new port access to the terminal gate. Developed conceptual layout of container terminal internal road plans and developed the geometric design of the wharf ramps. Developed the conceptual design for the relocation of the mainline Norfolk Southern railroad and the yard lead tracks, intermodal railroad yard tracks, and support yard tracks. Managed team of engineers and support staff to deliver 30% Plans for two highway improvements packages and the rail relocation and new industrial yard tracks package. Leading the permitting process for DOTD and Railroad ROW permits. Developed yard layout, circulation and access points.
10/20 – present	City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Rouge, LA. Project Manager and Task Manager. Urban Road Design and Complete Streets improvements to College Drive. The project includes a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.


09/17 – present	<p>Coastal Restoration and Protection Authority of the State of Louisiana, Mid Barataria Sediment Diversion, (SP No. BA-0153), Plaquemines Parish, LA. <i>Task Manager and Lead Engineer.</i> Relocation of LA 23 and the NOGC Railroad across the proposed sediment diversion. Also responsible for the design of service roads along LA 23 and railyard layout that the contractor will use for site deliveries. Provided QC review for the traffic report and participation in the environmental and public involvement tasks. AECOM is the lead design development team for the \$1.5 billion CMAR project. The rail improvements provide for the extension of track across the diversion channel intake structure which would feature a moveable span for canal maintenance and approximately 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 have accommodations for up to two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and new roadways to connect the existing highway to the new bridge structure. Tasks include road design, drainage, signing, and MOT. Currently leading construction support for the highway improvements.</p>
07/15 – present	<p>LADOTD, I-49 Corridor from Lafayette Regional Airport to I-10/I-49/US 90 Interchange, (SP No. H.004273.5), Lafayette Parish, LA. <i>Project Manager, Lead Design Team Member, and Railroad Coordination and Segment Modifications Task Manager.</i> NEPA Supplemental EIS and Design of a 5-mile freeway corridor. The project includes an 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 connection, transportation strategies and modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with overpasses and possible modifications to an Amtrak station platform. Other rail modifications include replacing the at-grade crossing with a highway overpass. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involvement tasks.</p>
06/15 – present	<p>LADOTD, Route LA 3139, Earhart Expressway to US 61, (SP No. H.004367.5), Jefferson Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension through the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, local street phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and how to drop lanes along the corridor to transition back to the current lane configuration at the west end of the project. Reviewed the reports and participated in the environmental and public involvement tasks.</p>
2015 – present	<p>LADOTD, Road Safety Assessment and Facilitation, (SP No. H.0011935.5), Statewide, LA. <i>Project manager and lead engineer.</i> Tasked to facilitate up to 10 Road Safety Assessments as requested by LADOTD. Tasks include analysis of crash data, preparation of RSA meeting handout, facilitation of meeting and site visit, and preparation of the RSA report. Six RSAs have been performed as of April 2016 in DOTD Districts 18, 61, and 62.</p>
02/07 – 11/09	<p>City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane Improvements (Highland Road to Perkins Road), Baton Rouge, LA. <i>Project Manager and Designer.</i> Design of corridor improvements to upgrade the two-lane suburban road to a four-lane urban boulevard. Developed road geometrics, developed suggested schedule of construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.</p>
11/04 – 02/17	<p>LADOTD (SP No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA. <i>Deputy Project Manager and Project Engineer.</i> Responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.</p>

		Firm AECOM Technical Services, Inc.	
Bonnie Dial, PE, PTOE Traffic Engineer		Years of Relevant Experience with this Employer	18
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date	PE/108550/TX/ 03.31.25 Other active license: PTOE/3577/11/30/2025		
Year Registered	2011	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	5. Traffic Engineering and Design Services - Analysis and Reports; 5. Traffic Engineering and Design Services - Plan Development; 13. Other Services Bonnie prepares plans and specifications for traffic safety, capacity, and operational improvements.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/18 – present	Slaughter Lane Improvement, City of Austin, Austin, TX. Traffic Signal Design Lead. Providing management and traffic design lead services for about 10 miles with sidewalks, curbs, medians, and roadway closures designed and constructed in phases to facilitate early construction. Bonnie supervised the preparation of traffic projections and Safety Analysis. Bonnie managed signal design and signing/pavement marking design for over 20 signals with PS&E and IDIQ submittals. Coordinated with staff, other agencies, and utilities for a cohesive design.		
11/20 – 01/21	Staff Augmentation, City of Austin, TX. Traffic Signal Design Lead. Led multiple traffic engineering projects. Bonnie supervised the design of safety improvements with federal HSIP funding for two traffic signals, traffic control plan, pedestrian ramp improvements, and signing/stripping. Converted the PHB for Congress at Ramble to a full signal, and designed new signal at Congress at Ramble. In addition, managed the fast-paced Cameron/Dessau street lighting G&E project to improve safety lighting along roadway. Coordinated with City staff, Austin Energy, TXDOT, and other agencies. Developed 48 Cameron/Dessau street light design sheets specifications, and cost estimates and Howard/Slaughter street lighting schematic design estimate from 0-100% in 3 months.		
08/20 – present	US 59 Reconstruction, TXDOT District, Laredo, TX. Traffic Signal Design Task Lead. Provided services for 90% design of 6.5 miles of ITS, temporary and permanent signing at two intersections (University and Del Mar Blvd.), and signing and pavement markings. The ITS system consists of DMS, CCTV wrong way detection system, and exit ramps. Designed mast arms, pedestal poles, APS push buttons, installation of Speed Sensor (radar detection), and CCTV camera under bridge. Designed signing and marking plans for freeway, frontage road, and transition between arterial and freeway segment. Developed ITS schematic and coordinated among multiple prime consultants and with TXDOT for consistency.		
09/21 – 09/22	West Road at Federal Traffic Signal Design, Fedex, Houston, TX. Traffic Signal Design Lead. Provided services for the design of a traffic signal to Harris County standards and specifications. The project included coordination with Fedex, Harris County for approval of the traffic signal design, and CenterPoint to establish a new electrical service. The design included a traffic signal warrant study, flashing left turn arrow warrant, and intersection sight distance analysis. Also providing review and approval of construction item submittals.		
11/19 – 01/20	Planning Level Traffic Impact Analysis, Confidential Client, Lake Charles, LA. Project Manager. Responsible for the oversight of a planning level traffic impact analysis for traffic during construction of a new industrial facility. Using generalized criteria for similar types of roadways, the existing and expected arterial Level of Service (LOS) was analyzed and possible roadway network improvements were identified to determine the overall viability of the project.		


01/19 – 03/21	SH 146 at N Alexander Drive Traffic Signal Design, TXDOT (Houston District), Baytown, TX. Traffic Signal Design. Prepared a traffic signal warrant study for the intersection of SH 146 at Alexander Drive that determined once the mainlane overpass is built, a traffic signal is no longer needed. Then, performed an all-way stop warrant and traffic signal design to convert the traffic signal to flashing all-way stop conditions until further study after construction. The controller needed to be relocated due to the location of the bridge columns, and the existing mast arms will remain to reduce construction cost.
03/19 – 12/19	FM 1488 at Forest West and FM 1488 at Sweetgum Lane Traffic Signal Design, TXDOT (Houston District) Montgomery County, TX. Project Manager. Responsible for the design two traffic signals along FM 1488 due to the growing drivers in the area. The design included mast arms, pedestrian crossings to align with the planned access management project. Included driveway relocation to align driveway with intersection, utility relocation to avoid mast arm location, designed conduits and pedestrian ramps to avoid existing cross drainage diagonal at intersection.
03/19 – 12/19	FM 1488 Access Management Study, TXDOT, Montgomery County, TX. Project Manager. Responsible for guiding short-, medium-, and long-term improvement solutions to enhance safety and mobility along the 4 mile corridor with 19 signalized intersections. Analyzed intersection LOS, crash history, and deficiencies as part of the existing conditions report. Conducted steering committee, stakeholder, and public meetings as part of valuable public involvement process. Recommended access management solutions including raised medians with hooded left turn lanes, continuous green T intersections, bicycle connectivity through intersections, pedestrian crossings, and traffic signal improvements. Prepared construction cost estimates and Transportation Improvements Program (TIP) applications to request funding.
03/19 – 10/19	Industrial Traffic Study, Confidential, Grego, Project Manager. Responsible for the analysis of a large industrial facility with the primary goal to recommend roadway improvements for circulation of existing operations and future operations. Understanding project needs, collecting traffic count data, analyzing local growth rates, analyzing intersections in Synchro, analyzing freeways in Vissim, and preparing construction cost estimates. Close coordination was required with client and TXDOT to incorporate several planned improvements.
07/19 – 05/20	IH 45 Reconstruction, TXDOT, Harris County, TX. Task Lead. Responsible for design of signing, signals, pavement markings, high mast illumination, and ITS along highway south of Houston as City Terminal Railroad to north of the Galveston Causeway surrounding SH 6 intersection. Performed quality control for signing, pavement markings, and ITS. Led team to complete work on time, within budget, and to high quality emphasizing safety.
01/18 – 12/18	SH 3 Access Management Study, TXDOT, Harris County, TX. Engineer. Responsible for short-, medium-, and long-term improvements to enhance safety and mobility along the 14-mile corridor with 24 signalized intersections. Prepared preliminary roadway improvements to add raised medians with hooded left turn lanes based on synchro traffic analysis results, to add sidewalks for multimodal connectivity, and recommended traffic signal improvements. Presented recommendations to the steering committee and prepared visually effective public meeting materials. Currently tasked to design 3 traffic signal warrants from these recommendations.
01/17 – 12/17	SH 105 Access Management Study, TxDOT, Montgomery County, TX. Traffic Engineer. Responsible for the development of short term solutions for a 4 lane highway to be expanded to 6-lanes with a 28-ft median. The corridor has high speed limits, developing suburban area, high driveway density. The corridor has plenty of right-of-way for access management improvements. A cost estimate was also developed.
06/16 – 10/16	Traffic Signalization of Hollyhock Road and Greenhouse Road, Harris County, Katy, TX. Technical Lead. Responsible for the design of a new traffic signal, including providing engineering services for signing and striping, pedestrian facilities, and extending turn bays.

		Firm AECOM Technical Services, Inc.	
John Song, PhD, PE, PTOE Senior Traffic Engineer		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	10
Degree(s) / Years / Specialization		PhD/2003/Civil Engineering; MS/1997/Civil Engineering; BS/1994/Civil Engineering	
Active Registration Number / State / Expiration Date		97507/TX/12.31.24 Additional active license: PTOE	
Year Registered		2006	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design Services – Plan Development. <i>John brings 26 years of experience in the management and execution of numerous transportation planning and traffic engineering projects as well as multi-disciplinary projects in urban environments. He is specialized in innovative data collection, regional and local transportation planning, travel demand modeling, corridor studies, toll road feasibility studies, major investment studies, traffic engineering studies and traffic simulation modeling. John also has extensive experiences in intelligent transportation systems, signing and striping design, traffic control plans, traffic signal design, and illumination design in coordination with roadway design projects.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
11/21 – 08/23	TxDOT, TPP, Capital Area Metropolitan Planning Organization (CAMPO) Travel Demand Model Update. Project Manager. John led AECOM's modeling team and updated the CAMPO TDM to new horizon year 2050 in 2023 (TPP planning contract 50-01DP5007 WA3). By collaborating with CAMPO, Texas A&M TTI, state demographer, and local jurisdictions, the team developed a model update plan approved by TxDOT and CAMPO, updated demographic data utilizing UrbanSim, analyzed new travel modes and travel patterns before and after the pandemic, updated and validated base- and future-year TDM, and provided on-site training to TPP & MPO staff. John also worked with Boyang to apply the updated TDM to support Austin District's Mokon Corridor Study.		
03/17 – 12/18	TxDOT, TPP, Traffic Projection Studies. Project Manager. John and his team recently completed traffic projections for various urban and rural corridors in Texas with a total of 360+ miles under two work authorizations. Our team followed TPP's Corridor Analysis SOP, used existing and historical data and various MPO's TDM to project traffic volumes, created Traffic Analysis for Highway Design Tables and developed traffic projection line diagrams for various highway facilities.		
01/18 – 10/20	TxDOT Houston, Sustainable Ways to Integrate Future Transportation (SWIFT) Project, Houston, TX. Project Manager. John and his team is developing an innovative scenario planning tool for this regional planning study project for west Houston area including the I-10 corridor between I-610 and Brazos River. The tool integrates land use model and TDM to model and evaluate future uncertainties in land use, travel behavior, mobility policy, and emerging technologies at a regional scale. As part of this project, the team developed an 8-county Dynamic Traffic Assignment (DTA) model using DynusT to supplement the existing H-GAC trip-based TDM and capture dynamical interactions between supply and demand.		
12/15 – 10/16	Texas Central Railway, Houston-Dallas High Speed Rail Environmental Impact Study. Traffic Task Lead. John and his team performed TDM and traffic analysis task for the recent EIS for the proposed high speed rail. He coordinated with FHWA, FRA, TxDOT TPP, NCTCOG, H-GAC, utilized SAM version 3 and MPO's TDM to provide traffic projections, developed traffic analysis and mitigation measures.		
01/17 – 12/18	TxDOT Austin, Mobility35 Austin GEC, Austin, TX. Traffic Lead. John oversees all traffic activities for the 33-mile corridor improvement program in Austin metro area. His team continuously conducted and reviewed: traffic data collection, OD studies with StreetLight, speed studies with INRIX/HERE data, CAMPO TDM runs in TRANSCAD for various scenarios and traffic operational analysis with VISSIM/ SYNCHRO to support the District for various activities from planning, environmental studies to schematic/IAJR to PS&E design.		


10/17 – 01/19	Martin Luther King Jr. Boulevard / FM 969 Corridor Program, Austin, TX. <i>Project Manager.</i> John managed and performed a transportation study to identify short-term projects to improve traffic operations and identify mid- and long-term projects that would provide a phased implementation of the corridor vision. He performed schematic design and provided cost estimate for both short-term and mid-term projects.
01/15 – 12/15	TxDOT/Alamo Regional Mobility Authority, I-35 Managed Lane Planning Level Toll Feasibility, Concept Design and Mobility Study, TX. <i>Traffic Lead.</i> Conducted corridor traffic operation analysis for the proposed 17-mile managed lane project. Developed alternative toll collection plans, traffic forecast and toll revenue estimate, prepared cost estimates, and market valuation analysis.
10/08 – 12/09	Central Texas Regional Mobility Authority, Central Texas Turnpike System Planning Level Traffic and Toll Revenue Study, Austin, TX. <i>Traffic Lead.</i> Conducted planning level traffic and toll revenue study for the CTTS including four toll road projects with various equity-based and municipal bond delivery methods. Developed baseline traffic and revenue forecasts for each toll road project and conducted toll sensitivity analysis.
11/08 – 02/10	Central Texas Regional Mobility Authority, Loop 1 Managed Lane Level 2 Traffic and Toll Revenue Study, Austin, TX. <i>Led the travel demand model task.</i> Conducted peer review of the CORSIM simulation model. Developed innovative methods to build a sub area travel demand model with updated volume delay functions extracted from the operational model. Developed traffic and revenue analysis based on congestion pricing on managed lane. Project completed within budget and schedule and received high recognition from the client.
01/15 – 12/16	TxDOT San Antonio District, I-410 Interchange, San Antonio, TX. <i>Traffic Lead.</i> Evaluated two interchanges in San Antonio – I-410 and I-35, I-410 and I-10. The project includes an evaluation of improvement concepts using VISSIM traffic model and traffic forecasting using TDM.
01/08 – 10/10	VIA Metropolitan Transit, Fredericksburg Road Bus Rapid Transit Preliminary Engineering and Environmental Assessment, San Antonio, TX. <i>Traffic Lead.</i> Led the traffic engineering analysis task for the 9-mile bus rapid transit corridor. Conducted peer review of the VISSIM model, performed hot spot traffic analysis with VISSIM/SYNCHRO model and developed mitigation measures and cost estimates. Conducted traffic impact analysis for two proposed transit centers.
01/12 – 07/13	MDOT, Airport Parkway Phase 1 Feasibility Study, Jackson, MS. <i>Traffic Lead.</i> Led the traffic engineering analysis task for the feasibility study of a 2-mile extension of existing highway corridor. Developed SYNCHRO traffic model to analyze peak hour traffic operations for ten intersections in the study corridor, evaluated both existing and future condition with alternative scenarios, and recommended mitigation methods to improve the traffic operations.

Firm AECOM Technical Services, Inc.			
 Greg Trahan, PE, RSP₁ Project Manager V	Years of Relevant Experience with this Employer 18		
	Years of Relevant Experience with Other Employer(s) 1		
Degree(s) / Years / Specialization	BS/2005/Civil Engineering		
Active Registration Number / State / Expiration Date	36041/LA/03.31.25		
Year Registered	2011	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	5. Traffic Engineering and Design Services - Analysis and Reports; 5. Traffic Engineering and Design Services - Planning Development; 9. Roadway and Hydraulic Engineering; 12. Construction Report Services. Greg is a civil engineer experienced with working on roadway design and traffic projects. He worked hard delivering credible and quality reports for AECOM since graduating college. During his time with AECOM he has had experience as a project engineer and project manager for many transportation, planning, design, and construction projects. Training: 2015 Safety Manual Workshop; 2015 ATSSA Certified–Traffic Control Technician/Supervisor/Flagger; 2016 ATSSA Certified–High Friction Course Treatment Inspection & Installation; LADOTD Traffic Process and Report Part 2 (2018); 2018 ATSSA Certified–Traffic Control Supervisor Refresher		
Experience Dates	Experience and qualifications relevant to this contract.		
09/17 – present	Coastal Protection and Restoration Authority, New Orleans, LA. Project Engineer. Assisted in the design Plans for the bridge and roadway structure over the new sediment diversion. The project consists of a new concrete precast girder bridge, approximately 100 feet in length, and the connecting asphalt roadway. Design Plans include Plan and Profile sheets, Drainage Plan and Profile sheets, and Construction Plans. There will be multiple construction activities being conducted at one time, the sequencing of construction is a critical element of design in order to manage traffic and maintain roadway operations even if evacuation routes may be required.		
05/14 – present	LADOTD, Earhart Expressway Extension to US 61, Jefferson Parish, LA. Project Engineer. Traffic study involving the new extension of the Earhart Expressway, a four-lane urban freeway, to Airline Drive, a two-lane highway, for a total of ten 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 Greg is analyzing design alternatives, conducting traffic data collection (speed and vehicle classification) along the corridor, and crash data.		
05/13 – present	LADOTD (State Project No. H.001779.5) Red River Bridge at Jimmie Davis Bridge Highway (LA 511) EA, Bossier and Caddo Parishes, LA. Project Engineer. Assisted in preparing a feasibility study to widen the existing highway along the Red River along Jimmie Davis Bridge and to connect shared use bicycle and pedestrian paths on each side of the river. Tasks included geometrics study of highway and interchange ramps to produce three feasibility alternatives.		
02/16 – present	Jefferson Parish Public Works, Mounes St. Drainage Improvements, Jefferson Parish, LA. Project Engineer. Responsible for traffic control plans for the construction of the drainage improvements along Mounes Street. Plans included the phasing of traffic to install in-ground box culverts within the limits of the travel lanes.		


07/15 – 06/17	<p>LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA. Project Engineer. Responsible for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of 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.</p>
03/14 – 09/14	<p>LADOTD, Krotz Springs Bridge and Business US 90 Bridge In-Depth Bridge Inspection, LA. Project Engineer. Assisted in the Maintenance of Traffic Plans for the inspection of the Krotz Springs Bridge and Business US 90 Bridge. These plans included provisions to detour traffic from the closed portions of the bridge or entrance.</p>
11/11 – 01/13	<p>LADOTD, LA 935 Feasibility Study, Safety Retainer Contract, Ascension Parish, LA. Project Engineer. Performed a Stage 0 on a segment of LA 935 from LA 22 to LA 22. Developed a conceptual plan 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' off the original alignment. This realignment allowed for the road to be widening to 12' lanes and 10' shoulders to provide a recovery area for drivers. AECOM also performed a cost analysis to evaluate the feasibility of a build to existing condition, minimize required Right-of-Way and/or acquisition of properties.</p>
05/10 – 09/12	<p>LADOTD (State Project No. H.0051) Feasibility Study for Safety Interim Improvements for Safety & Efficiency, St. Mary Parish, LA. Project Engineer. Aided in identifying improvements that would provide increased capacity or improved safety along the US 90 corridor. Some of the improvements may include widening of US 90 to interstate standards.</p>
02/07 – 06/10	<p>Baton Rouge Dept. of Public Works, Siegen Lane Improvements, Highland Rd. to 650' south of Perkins Rd., Baton Rouge, LA. Project Engineer. Assisted in the design and construction of a project to widen 1.18-mile segment of Siegen Lane to a 4-lane boulevard. Tasks include the geometric design of the roadway, stormwater drainage, and the development of the sequence of construction. The drainage area encompassed approximately 220 acres. A study was conducted on the multiple detention ponds, using a pond modeling program to determine if the box culvert system needed to be upgraded. A HEC-RAS model was conducted on an existing drainage ditch crossing Siegen Lane to ensure that the proposed drainage would not exceed the existing tail water elevation. The sizing and spacing of culverts and inlets was determined using LADOTD HYDRWIN hydraulic program. Prepared quantities and cost estimates for the project.</p>
11/04 – 12/07	<p>LADOTD (State Project No. H.0016) Florida Avenue Bridge, St. Bernard Parish, LA. Project Engineer. Assisted in the geometric design of two interchange ramps connecting to Florida Avenue and two relocated parking areas for two major public installations in the parish. He assisted in the design of girder splice for the steel main span alternative. He also assisted in the preparation of quantities, calculations and cost estimates for the steel main span alternative.</p>

		Firm Vectura Consulting Services, LLC	
Sheelagh Brin Ferlito, PE, PTOE (MPR 5) Supervisor Engineer		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	27
Degree(s) / Years / Specialization	BS/1988/Civil Engineer		
Active Registration Number / State / Expiration Date	PE. 0025383/LA/09.30.2025		
Year Registered	1993	Discipline	Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 5. 5. Traffic Engineering and Design Services Development (Signal Design). <i>Brin provides Traffic Engineering, Signal Design, Stage 0, and Peer Reviews.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/21 - present	H.007160 - EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA. Brin is the task leader for Vectura for the Construction Engineering and Inspection of traffic signals. Brin oversaw the development of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the mast arm and poles. Brin and R... the DOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation location.		
07/19 - present	MOVEBR New Capacity Projects Program Management, Baton Rouge, LA. Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic / speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed. She is in constant communication with the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She ensures the current requirements for all aspects of traffic engineering projects.		
07/19 - present	H.004791 DOTD Belle Chasse Bridge & Tunnel PPP, Belle Chasse, LA. Brin is the project manager for the temporary and permanent traffic signal plans for the intersection of ... Burmaster St and at Engineers Rd. She based her traffic signal plans on design year volumes that were developed from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private Partnership performed by DOTD.		
09/20 - 12/21	H.010960.5 LA 30 Roundabouts, I-10, Ascension Parish, LA. Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction on LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multilane roundabouts along I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain traffic progression along LA 30.		
07/18 - 04/19	LA 1 Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Design, West Baton Rouge Parish, Addis, LA. Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 990 in Addis, LA. The study was based on DOTD Traffic Engineering and Pedestrian Crosswalk Guidelines followed by traffic signal design based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State Right of Way.		
09/17-04/18	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Equipment Design Slidell, LA. Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.		

08/15-05/17	Enhancing Guidance for Evacuation Time Estimate Studies, Nuclear Regulatory Commission Rockville, MD. Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 8 hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.
04/14 – 12/14	H.002301 Signal Design for N. Sherwood Forest Dr. Widening Project, Baton Rouge, LA. As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. Ms. Brin developed the traffic signal equipment, signal timing, fiber communication construction plans, special provision specifications, quantities and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.
07/12-03/14	EBR 03-TS-CI-0026 CE&I for EBR Traffic Signal Systems Jefferson Highway Construction, Baton Rouge, LA. Brin was the Project Resident Engineer on behalf of EBR for performing CE&I services for construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM / EOC building. She processed all monthly tasks in EBR required format as well as all items on the EBR project closeout checklist.
07/08-09/09	SPN 013-05-0043 CE&I for EBR Traffic Signal Systems Airline Highway Construction, Baton Rouge, LA. Brin was the Project Resident Engineer for DOTD and EBR to perform CE&I services for construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for DOTD Materials Lab, developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM / EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required format as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 – 04/14	S.P. 700-99-0477 Jefferson Hwy. Signal Design, Baton Rouge, LA. Brin designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and I-12 On Ramp in Baton Rouge. Her design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber cabling diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.
03/05 – 11/05	Airline Hwy Widening Project S.P. 700-99-0332, Baton Rouge, LA. Brin designed 8 traffic signals as part of the Airline Hwy. widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM / EOC.
02/03 – 01/04	EBR Traffic Signal Systems Phases IV and V SPN 700-17-0172, Baton Rouge, LA. Brin was the project engineer for the design of 66 signalized intersections on eight arterials in Baton Rouge which included traffic data collection, traffic signal equipment, pedestrian crosswalk equipment, emergency vehicle and railroad preemption equipment, fiber interconnect equipment as well as traffic signal synchronization. Brin prepared traffic signal construction plans, estimated quantities, and specifications.

		Firm	Vectura Consulting Services, LLC	
Reece Rodrigue, PE, PTOE, RSP₁ Engineer		Years of Relevant Experience with this Employer	4	
		Years of Relevant Experience with Other Employer(s)	7	
Degree(s) / Years / Specialization		BS/2013/Civil Engineering		
Active Registration Number / State / Expiration Date		PE.0042074/LA/3.31.2026		
Year Registered		2017	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		1. Traffic Engineering and Design - Analysis and Report Development(Signal Design); 13. Other Signal Design(S). Reece is a project engineer for signal and ITS inspection.		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
04/21 - present	MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA. Reece is a project engineer for the design of traffic signal upgrades at 10 intersections. This project involved traffic design reports, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.			
06/23 - present	H.012845.1 Connected & Autonomous Vehicle (CAV) Working Group Support. Reece is a member of the team to develop new policies and legislation related to C/AV.			
06/23 - present	H.011507.1 Monroe Phase 3 SEA. Reece visited each site to document the controller type and detection needs at each signalized intersection within the right-of-way.			
07/21 - present	H.007160 - EBR Computerized Traffic Signal Design, Baton Rouge, LA. Reece is part of the team responsible for Construction Engineering and Inspection. Reece has produced the signal pole shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the contractor, City-Parish of Baton Rouge, and Contractor conducted field visits to confirm pole foundation locations.			
01/23 - 02/24	H.011504 Alexandria ITS Phase 2. Reece was the project engineer for site visit, System Engineering Analysis Report, Engineering Opinion of Probably Constructability, and Level 2 Transportation Management Plan.			
06/22 - 02/23	H.012381.5 ITS Fiber Management System Data Collection. Reece produced the field observations for 40 sites to verify the ITS FMS and inventory services.			
04/20 - present	H.004791 DOTD Belle Meade Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, LA. Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Road in eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle, and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.			
01/21 - 05/21	H.013256 - I-10 ITS Scott to Lake Charles, Lafayette, Acadia, and Jefferson Davis Parishes. Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using DOTD's Bid Tabulation and Cost Estimating Tool.			

09/20 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish. Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger I-10, Ascension Parish. Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21 – 12/21	Emergency Street Lighting Traffic Sign Assessment, New Orleans, LA. In response to the damage caused by Hurricane Ida, Reece inspected streetlights and traffic signs to report damage using the City's online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA. Reece was the task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, turnmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA. Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The design was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included phasing, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as well as other alternative measures for improving the intersection.
02/16 - 12/16	H.005733.5 US 190 Superstreet Task Order, Iberville Parish. Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created a secondary layouting CAD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections at various locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	Ochsner Main Campus Traffic Signal Design, Jefferson Parish. Reece served as a design engineer for the traffic signal plans for the two Ochsner Main Campus arterial traffic signals with US 90 (Jefferson Highway). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	Loyola Interchange Modification Request, Kenner, LA. Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3. Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

Firm		Vectura Consulting Services, LLC		
	Bridget Scheyd Robicheaux, PE, PTOE		Years of Relevant Experience with this Employer	6
	Project Engineer		Years of Relevant Experience with Other Employer(s)	9
Degree(s) / Years / Specialization		MS / 2014 / Civil Engineering (Transportation Focus) BS / 2007 / Civil Engineering		
Active Registration Number / State / Expiration Date		PE.0041272 / LA / 3/31/2025		
Year Registered		2016	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Plan Development (Signal Design). <i>Bridget is a project engineer for Traffic Control Design, Signal CE&I and TMP.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
07/21 – current	H.007160 EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA. Bridget has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Bridget also reviewed the traffic signal supports and documented all of her comments in a quality control tracker spreadsheet.
06/21 - 06/21	CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project, Baton Rouge, LA. Bridget assisted with the traffic signal design of 13 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street).
03/21 - 07/22	H.007160 - EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA. Bridget is part of the team responsible for Construction Engineering and Inspection. Bridget has reviewed the signal mast arm shop drawings (checking pole quantities and markups) to assist the City-Parish of Baton Rouge in accepting the manufactured poles.
04/20 - 07/20	H.004791 DOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, LA. Bridget assisted the project engineer who designed the temporary traffic signal for the intersection of LA 23 at Engineers Rd by pulling crash data along LA 23, reviewing and summarizing crash reports, and performing CATScan analysis.
04/19 - 01/20	Traffic Studies for Broussard Middle School and Billeaud Elementary School, Lafayette Parish, LA. Bridget was the project engineer for developing a Traffic Study for two school entrances in Broussard, LA. Her project tasks included traffic data collection, forecast traffic volume development, existing traffic analyses and future traffic analyses using HCM software. She performed turn lane warrants based on NCHRP Report Number 457 as well as storage lengths based on queues and DOTD requirements.
07/19 – current	MOVEBR New Capacity Projects Program Management, Baton Rouge, LA. Bridget assists Brin on a daily basis for the entire New Capacity Projects program management team. Bridget has performed multiple reviews of traffic studies and traffic signal designs. This includes reviewing raw data, unmet demand, volume maps, existing and build analyses, and safety analyses for accuracy and consistency throughout the report. She provides comments in a spreadsheet known as the Comment Tracker. All comments are posted in the Comment Tracker so that all parties are aware. Many of these projects are located on state routes and require approval by the Traffic Engineering staff of DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects. Using methods outlined in NCHRP 765, Bridget helped to develop design year volumes for the Jones Creek (Airline to Jefferson) MOVEBR project. She has developed Turn Lane tech memos for the MOVEBR Old Hammond Highway Segments 1A and two projects and for the MOVEBR Highland at Siegen project.
07/18 – 04/19	LA 1 Pedestrian Crosswalk Study and Traffic / Pedestrian Signal Design West Baton Rouge Parish, Addis, LA. Bridget assisted Brin with the crosswalk study by pulling and formatting the crash data. She also assisted Brin with the crash analysis and formatting the findings.

10/17 - 07/18	Travel Demand Model Update: Southeast Louisiana Travel Model, New Orleans, LA. Bridget developed base year traffic volumes to calibrate and test of the regional travel demand as part of updating the New Orleans Regional Planning Commission Travel Demand Model in TransCAD. Specifically, Bridget obtained and reviewed the over 4,000 traffic counts (cars / trucks) that were used in the validation of the SELATRAM model to check for consistency, reasonableness, and completeness. She tabulated her results in a spreadsheet that was included in a technical memorandum.
09/17 - 11/17	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study, St. Tammany Parish, LA. Bridget participated in the development of a Crosswalk Traffic Engineering Study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). Bridget processed raw traffic videos and developed AM and PM peak period turning movement vehicle count figures. She also assisted Brin with a PTV Vistro model for the AM and PM Peaks for the five intersections for capacity analyses as well as progression analyses. She also developed portions of the report.
02/17 - 10/17	Judge Tanner Boulevard at N. Causeway Roundabout Study, St. Tammany Parish, LA. Bridget participated in the development of a Stage 0 Feasibility Study for roundabouts at four intersections in St. Tammany Parish. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts for morning and evening peak periods including peak hour factor and heavy vehicle percentages. Growth rates for design year volumes were also developed based on information provided from the TransCAD model. She performed portions of the Sidra unsignalized, signalized and roundabout analyses for implementation and design years and report development.
06/16 - 09/17	H.004490 Stage 0 Roundabout Studies, Lafayette Parish, LA. Bridget assisted with developing a Stage 0 Feasibility Study for roundabouts at seven intersections in the Lafayette area. The scope was developed based on EDSMs VI.1.1.1 / VI.1.1.5 and DOTD Traffic Engineering Manual Section 20.2. Bridget developed traffic turning movement counts diagrams for peak periods including peak hour factor and heavy vehicle percentages. She developed the speed data analyses as well as assisted with performing Sidra unsignalized, signalized and roundabout analyses for implementation and design years. Bridget also developed several figures that were included in the report.


DESIGN AND CONSTRUCTION
SUPPORT SERVICES

9. Roadway Design and Hydraulic Engineering Services


(See Section 14)

 Firm AECOM Technical Services, Inc.	
David Wymore, PE (MPR 10) Associate Vice President, Houston Highway Manager	
Years of Relevant Experience with this Employer 11	
Years of Relevant Experience with Other Employer(s) 13	
Degree(s) / Years / Specialization	BS/2002/Civil Engineering
Active Registration Number / State / Expiration Date	PE.0043157/LA/3.31.25
Year Registered	2018
Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	MPR 10. Roadway Design and Hydraulic Engineering Specialist. David specializes in the management of transportation projects in rural and urban environments. He has performed the roles of GEC, Owner's representative, engineering manager, and project manager in the past 15 years, including design-build projects.
Experience Dates	Experience and qualifications relevant to the proposed contract.
12/18 – 05/19	I-10 to Loyola Dr. Interchange (Design-Build) (S.P. No. H.011670), Texas, Boh Bros, LADOTD, Jefferson Parish, LA. Roadway Design Manager. Design build proposal for the I-10 interchange and Loyola Drive to provide direct access connector ramps for traffic flowing to and from the new passenger terminal at Louis Armstrong International Airport. Led QC design team in review of proposal plans, proposal narrative, and ATC evaluations. Checked consistency with plan set. Contributed to development of design build teams proposal narrative.
01/19 – present	Broadway St. Design-Build for Reconstruction of City Street from Houston St. to IH 35, City of San Antonio, San Antonio, TX. Design Manager. Oversaw the design of 1 miles of city street reconstruction. The reconstruction consisted of a complete replacement of the city street. The project consisted of reconstructing existing 4-lane City of San Antonio street. The project included a complete street concept, side street parking, multiple utility crossings, sidewalks traffic signals, and drainage improvements. He also managed six subconsultants.
08/14 – 12/16	IH-10, PS&E, TxDOT, Sealy, TX. Project Manager. David oversaw the design of Segment 1 which is 3.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges. The project consisted of reconstructing existing 4-lane main lane concrete pavement divided facility to a proposed 6-lane concrete pavement undivided facility and reconstructing existing frontage roads on the side. David developed the horizontal and vertical alignments for the main lanes, two frontage roads, nine ramps, two cross streets, and four bridges. He designed 11 mechanically stabilized earth (MSE) retaining walls. David designed a traffic control plan which narrowed the road but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane and frontage roads were maintained throughout months of construction. Oversaw the removal, drainage, paving, pavement markings, CTMS, overhead sign bridges, storm water pollution prevention plans, bridge specifications and cost estimates. He also managed eight subconsultants.
12/10 – 04/12	US 79, PS&E for Reconstruction of Two-Lane Roadway to Four-Lane Roadway, TxDOT, Houston, TX. Project Manager. Prepared construction documents for widening an existing 2 lane undivided facility to four lanes with a continuous left turn lane for 1.4 miles and upgrading the existing 2 lane undivided facility to a four-lane divided facility for 2.9 miles. David used Geopak to develop the horizontal and vertical alignments. The project consisted of widening four existing culverts. He also developed a new drainage scheme to accommodate the additional impervious area. The project required the realignment of two County Roads.


08/06 – 06/10	<p>US 290 (Segment 4) PS&E, TxDOT, Houston, TX. Project Manager. Oversaw the design of Segment 4 which is 2.0 miles of main lane and frontage road reconstruction. The reconstruction consisted of a complete replacement of main lanes, frontage road, cross streets, and bridges and reconstructing an existing 8-lane main lane concrete pavement undivided facility to a proposed 10-lane concrete pavement undivided facility and reconstructing existing frontage roads on either side. David developed the horizontal and vertical alignments for the main lanes, two frontage roads, six ramps, four cross streets and eight bridges. He designed 10 mechanically stabilized earth (MSE) retaining walls, nine sound walls, and four pedestrian block walls. Designed a traffic control plan which narrowed lanes but maintained the existing number of lanes throughout construction including a reversible HOV lane. The existing ingress and egress points between the main lane, frontage road, and HOV were maintained the full 38 months of construction. The project required the design of three diamond intersections and 13 high mast lights to be installed. Extensive grading was required for constructing eight bridge header banks, five detention ponds totaling 10 acre-ft of storage and raising the existing frontage road by three feet. Oversaw the quantities to include removal, drainage, pavement markings, CTMS, overhead sign bridge and water pollution prevention plans, bridge specifications and cost estimates.</p>
06/11 – 02/12	<p>Gaines Road, Widen Intersection and Signal Improvements, Fort Bend County, Houston, TX. Project Manager. David prepared construction documents for widening existing intersection along Gaines Road and installing a signalized intersection. David redesigned the existing open ditch to accommodate storm sewer.</p>
02/11 – 06/12	<p>South Mayde Creek, New Construction of Neighborhood Road, Houston, TX. Project Manager. David performed construction oversight for approximately 9,600 LF of 10-foot wide trail for pedestrian and bicycle use along South Mayde Creek. The trail is located along the north and south banks of the existing Brazoria County Flood Control District (HCFCD) drainage channel (South Mayde Creek) between Key Hole Lane and Heathergold Drive. The trail consists of two south and north trail segments across South Mayde Creek at Heathergold Drive, and there is one reinforced concrete retaining wall and another bridge crossing at two tributary locations.</p>
12/08 – 02/11	<p>PS&E for Widening of Main Lane and Bridges from Four Lanes to Eight Lanes, Sam Houston Tollway, Houston, TX. Project Engineer. David prepared construction documents for widening existing 4 lane undivided facility for 2.8 miles. He used Geopak to develop the horizontal and vertical alignments for the widening. He designed five mechanically stabilized earth (MSE) retaining walls. The project consisted of widening two overpasses. One of the bridges was over Union Pacific Railroad which required rail road exhibits and coordination. He developed a drainage scheme to accommodate the additional impervious area.</p>
12/08 – 02/11	<p>CR 257, Reconstruction of Two-Lane Road Destroyed by a Hurricane, Brazoria County, Surf Side, TX. Project Engineer. David prepared construction documents for repairs and full roadway reconstruction from damage received by hurricane Ike for 9.7 miles. He used Geopak to develop horizontal and vertical alignments and cross sections.</p>


 Firm AECOM Technical Services, Inc.		Derek Chisholm, AICP, ENV SP, LEED GA (MPR 4) Associate Vice President, Transportation Planning		Years of Relevant Experience with this Employer	10
				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.147159/12.31.2024 Additional active license: Leadership in Energy and Environmental Design, Green Associate/#10148303; Envision Sustainable Professional; FHWA-NHI-142005 NEPA and Transportation Decision-Making			
Year Registered		Discipline American Institute of Certified Planners			
Contract Role(s) / Brief Description of Responsibilities		MPR Environmental and Permitting Services; Highway Design and Hydraulic Engineering Services; Other (Bike/Ped/Complete Streets). 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 other agencies.			
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 the context-sensitive solutions (CSS) approach. Derek originally served as the bridge between the public and stakeholders through the CSS process and the environmental team. He set up the comment management system, co-leads the NEPA Task, and managed the Section 106 consultation. He has been leading the break-out reevaluation for the first construction segment, and was a key component of the award-winning virtual reality open house. <i>2022 TransComm Award. DOTD received an Interactive Marketing Award for Lafayette Connector Virtual Reality Room.</i>				
11/17 – 04/20	LADOTD, SPN H.001779.2, Jimmie Davis Bridge Supplemental Environmental Assessment, Bossier and Caddo Parishes, LA. Senior Advisor. Derek provided quality control review and assisted with comment responses related to the proposed 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, Impact Statement, Concept Development, and Construction, OR. Consultant Environmental Team Manager. This project included a major bridge over a narrow waterway with multi-modal improvements between Portland, OR, and Vancouver, WA. Derek worked with the design teams and other agencies on environmental documentation, permit applications, and numerous impact analyses. Derek and his team managed various complex tasks, including reburial of tribal remains, tribal negotiations for park impacts, navigation and aviation vertical consistency, Biological Opinion and take, construction phasing, and mammal protection, and more. <i>National Environmental Excellence Award for Climate Change Evaluation and the Fish Hydro-ecology Impacts Study</i>				
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 incorporated 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.				


03/14 – 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. <i>(H number was not available during project duration)</i>
03/07 – 11/10	ODOT Highway 99 Bypass NEPA, IJR, 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 workers, and others.
03/19 – present	Gordie Howe International Bridge, Detroit, MI, to Windsor, Canada. Sustainable Design Lead. AECOM designed and is delivering the longest span bridge in North America. Derek assisted the project based on his extensive experience working on sustainable design and construction issues for similar projects. He helped in the pursuit of both LEED and GreenSource certification for the bridge and portals. <i>Numerous awards, including Best of Show for Innovative Technology Award, Detroit Bridge Authority, Bridging North America, and AECOM for the Gordie Howe International Bridge, Post-NEPA Environmental Management and Compliance Program</i>
11/07 – 03/10	WSDOT Alaska Way Viaduct Seattle Promenade and Park Walk, Seattle, WA. Environmental. Derek led the environmental justice analysis and authored respective sections of social discipline reports for Supplemental Draft EIS, and for the Final EIS. He led the development of an analytical model and compliance program to determine potential high and disproportionate impacts related to tolling of the facility. Following on his work on 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 Environmental Impact Statement (EIS), AZ. Environmental Justice Senior Advisor. This study involves conducting alternative 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 – 08/13	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, an income manufactured home park, and historic resources.
07/08 – 09/10	Portland-Milwaukie Light Rail Project, Clackamas River Transit Bridge, Clackamas, OR. Environmental. Derek supported the built environment analysis, assisted 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 the combination of this and other projects requiring the construction of a new facility for light rail vehicles. <i>National Honor Award, 2016 (ASCE), Best Highway/Bridge Project Award, 2016. Engineering News-Record Northwest. Project of the Year, 2016. American Society of Civil Engineers (ASCE) Bridge Institute (ASBI)</i>
07/10 – 04/13	WSDOT Mukilteo Multi-Use Project, Mukilteo, WA. Environmental. Derek wrote a 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. <i>Outstanding Achievement Award. Excellence in Environmental Document Preparation, EIS Category, FTA, 2013</i>
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.		
	Sreenivasulu (Sreeni) Bollu, PE, CFM, PMP		Years of Relevant Experience with this Employer	17
	Project Manager V		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization		MS/2003/Civil Engineering; BS/2000/Civil Engineering		
Active Registration Number / State / Expiration Date		34330/LA/03.31.2025 Additional active license: PE TX, FL, AR, GA, AZ; CFM; PMP		
Year Registered		2009 (LA)	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		9. Roadway Design and Hydraulic Engineering. <i>Sreeni has more than 20 years of experience in all phases of project development from conceptual design to construction management. He has provided professional consulting services to numerous public and private clients, serving as project manager or project engineer on numerous roadway improvements, drainage studies, hydraulic models and designs, drainage improvements, levees, flood control projects, site developments, commercial & residential subdivisions, and construction management.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
06/21 – present	New Orleans Department of Public Works, Broadmoor Groups D & E, New Orleans, LA. Project Manager. Responsible for the development of construction plan sets for reconstruction of multiple roadways in the Broadmoor neighborhood of New Orleans. The project will consist of full reconstruction of the roadways, replacement of all drainage and water lines, sidewalk replacement/repairs, and the installation of ADA ramps at all intersections. The project is currently in final design and will advance through Construction Administration.			
06/21 – present	New Orleans Department of Public Works, Milan Group A, New Orleans, LA. Project Manager. Responsible for the development of construction plan sets for reconstruction/restoration of multiple roadways in the Milan neighborhood of New Orleans, which is bounded by Napoleon Avenue, Claiborne Avenue, Louisiana Avenue and St. Charles Avenue. The project will consist of milling and overlaying with full depth patching of selected streets, incidental patching of other streets, sidewalk repairs, incidental repairs to drainage structures, and the installation of handicap ramps. The project is currently in final design and will advance through construction administration and resident inspection.			
06/21 – present	Jefferson Parish West Bank Program Management, Jefferson Parish, LA. Project Manager. Assisting with the implementation of the West Bank projects for Jefferson Parish's Road Bond Improvement Program, which includes 70 roadway and bridge projects throughout Jefferson Parish. He is responsible for the oversight of approximately 10-20 projects, including overseeing the design contractor's work, coordinating review with various Parish Departments, public and private utility companies, and other impacted agencies. Other responsibilities include review of plans and specifications submittal, scheduling, coordination for environmental clearances, ROW acquisition support, construction oversight, and project closeout.			
06/21 – present	Coastal Protection and Restoration Authority (CPRA), Mid-Barataria Diversion Design, . Project Engineer. Responsible for the planning, engineering, and design services for the creation of the Mid-Barataria sediment diversion basin to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. He assisted with detour roadway alignment creation/selection, TTC planning, and roadway plan preparation.			
02/20 – 05/21	Lake Vista Group C and Group E, New Orleans, LA. Project Engineer. Responsible for the design of concrete roadway re-design and replacement, subsurface drainage improvements, and water main improvements.			


02/20 – 05/21	East Bank Drainage Improvements, St. Charles Parish, LA. <i>Lead Hydraulic Engineer, Project Manager.</i> Responsible for creating H&H models to evaluate flooding within the existing neighborhood, provide alternate solutions to alleviate flooding and develop a report with recommended solutions with cost estimates for 25yr and 100yr rainfall events for Montz: 1,635 acres drainage basin, Norco: 800 acres drainage basin, New Sarpy: 690 acres drainage basin, Ormond: 1,420 acres drainage basin.
08/12 – 01/20	West Bank Hurricane Protection Levee System (WBHPL), St. Charles Parish, LA. <i>Project Manager.</i> Responsible for coordination, preparation of plans and specifications, construction administration and resident inspection. This project is approximately a nine mile levee where the alignment extends from the Sunset Levee District on the western flank to the Davis Pond Guide Levee to the east. This project consists of levees, drainage borrow canals, parallel access roads for levee maintenance, pump stations, tidal exchange structures, and concrete floodwalls (T-Walls) at multiple locations.
08/12 – 01/20	Upper Barataria Risk Reduction (UBRR), Lafourche Basin Levee District, LA. <i>Project Manager.</i> Responsible for coordination with the design team and regulatory agencies; design of the segment of the project (Segment 1, 2 4 & 5). The details of the project are: The Upper Barataria Risk Reduction project provides continuous hurricane and storm damage risk reduction from LA Hwy 308 in Lafourche Parish to the Davis Pond Freshwater Diversion West Guide Levee in St. Charles Parish, affording risk reduction benefits for the six parishes in the project area, including Ascension, Assumption, Lafourche, St. Charles, St. James, and St. John the Baptist. The UBRR project includes the construction and enlargement of approximately 33 miles of hurricane risk reduction between LA Hwy 308 on the western end and the Davis Pond Diversion West Guide Levee on the eastern end. The project includes earthen levees, a 270' steel barge swing gate floodgate in Bayou Des Allemonds, a steel roller gate across LA Hwy 306, tidal interchange structures, concrete T-wall floodwalls, and pump station frontal protection.
08/12 – 01/20	Breaux Ditch Improvements, Jefferson Parish, LA. <i>Project Manager.</i> Responsible for civil design and preparation of the drawings to replace the existing ditch with 8' wide x 4' deep reinforced concrete flume between East Ames Blvd. and Leo Kerner Pkwy. on the West bank of Jefferson Parish to provide improved maintenance and stability. The total project length is approximately 1500 feet.


		Firm AECOM Technical Services, Inc.	
Kelly Duggan, AICP Senior Urban Planner		Years of Relevant Experience with this Employer	<1
		Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization		MURP/2010/Historic Preservation	
Active Registration Number / State / Expiration Date		APA ID: 340795/AICP	
Year Registered		2017	Discipline Urban Planning
Contract Role(s) / Brief Description of Responsibilities		9. Roadway Design & Hydraulic Engineering Services; 13. Other Services. <i>Kelly brings experience in both the public and private sectors. She has worked in a diverse range of disciplines, including regulatory planning, parks and recreation design and construction, active transportation planning and implementation, and land use consulting. Her main areas of expertise include master planning, project management, zoning and land use policy, bike/ped planning and facility design, and public engagement. She also has experience in working with clients to assess needs, develop scopes of work, negotiate contracts, and monitor project progress.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
11/23 – present	DOTD, I-49 Connector project. Senior Urban Planner. Responsible for NEPA planning for, public engagement, crash data analysis and visualization, green infrastructure planning		
04/23 – 04/24	Webre Consulting. Senior Land Use Consultant. Served as project lead on all land use requests, resubdivision applications, Board of Zoning Adjustments petitions, Legal Non-Conforming Use applications and similar zoning administrative review requests.		
05/22 – 06/23	BREC. Assistant Director of Urban Trails Planning. Led a team of five landscape architects in the planning, design, construction and maintenance of BREC's Greenway System		
04/18 – 05/22	Kelly Duggan Design. Owner. General Planning Consulting and design services for municipalities and private organizations		
03/19 – 04/20	City of Maryville. Senior Planner. Served as planning staff liaison to TDOT for road projects within the City		
04/17 – 06/18	City of Oak Ridge. Senior Planner. Administered the City's Rails to Trails program and served as the point of contact with TDOT.		
07/08 – 09/13	City of New Orleans. Preservation Planner/Senior City Planner. Various municipal planning duties including plan review, code analysis, reports on land use decisions, presenting recommendations to commissions and City Council.		


		Firm AECOM Technical Services, Inc.	
Matthew Gunn, PE Transportation Engineer		Years of Relevant Experience with this Employer	11
		Years of Relevant Experience with Other Employer(s)	5
Degree(s) / Years / Specialization		BS/2007/Civil Engineering	
Active Registration Number / State / Expiration Date		115322/TX/09.30.2024 Other active license: WA	
Year Registered		2012	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		9. Roadway Design and Hydraulic Engineering Services. <i>Matthew specializes in complex roadway planning and design on projects totaling over \$7 Billion in construction value. He has more than 16 years of experience on a variety of projects involving roundabouts, complex interchanges, unique intersections, alternative analysis, and ADA retrofits. He also has experience managing every phase of design-bid-build projects, from scoping to final plans, specifications, and estimates, along with experience in Alternative delivery projects. Matthew has experience working with multiple jurisdictions and disciplines so understand the need for clear communication and coordination throughout the design life of projects. Project history includes work on toll/HOV/express lanes, new construction to concrete panel replacement/overlays, bike paths/shared use paths/sidewalks, safety retrofits and ADA improvement projects.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/23 – present	TxDOT, I-35 Northeast Expansion (NEX) South Design Build, San Antonio, TX. Deputy Design Manager. Overseeing all disciplines design and working with the client to ensure contract requirements are met. Project consist of design/construction of over 8+ miles of new elevated mainlines (1 HOV and 2 GP lane) over existing I-35 and Frontage Road. Constraints on the project are to minimize impacts to existing lanes which require coordination between all disciplines to ensure proposed bridge columns can avoid existing or replace as needed impacts to drainage/utility/traffic features along with ensuring adequate roadway protection is in place to ensure safety requirements are in place. Project also required additional coordination with two adjacent design-bid-build projects to the south and a design-build project on the north. Creating project general notes/specification and project standards packages		
12/21– 05/23	TxDOT, Southeast Connector (SEC) Design Build, Fort Worth, TX. Roadway Design. Lead the roadway design for a segment of the I-20/I-820/US-287 Interchange project. Lead a team of engineers in solving complex challenges associated with designing the main interchange of I-20/I-820/US287, including mainlanes/frontage roads/collector distributors/shared-use paths, three major cross streets, crossed over a railroad and creek. Challenges included working within limited right-of-way, environmentally sensitive areas, geometric constraints with multiple crossing roadways, ensuring all other disciplines could meet project requirements while keeping the project on schedule and below budget. Worked with Client and Project management team to request contract clarification request along with waivers at locations design criteria could not be met. Segment was located within multiple city jurisdictions and required intense coordination with stakeholders to come up with a design that met project goals. Project was designed using Bentley OpenRoads software which required additional coordination to ensure deliverable could be met the owner and client expectations.		
06/20 – 01/22	TxDOT, Oak Hill Parkway (OHP) Design-Build Final Design, Travis County, TX. Roadway Design. Lead the roadway design for a segment that included a complex freeway interchange at US290 and SH71 and multiple complex intersection design straddling bridges. The segment included design of elevated structures above proposed frontage roads, separated shared-use paths, a modified SPUI design at US290 and SH71, complex intersection grading required due to project constraints. Segment include working within limited right-of-way and environmentally sensitive areas including multiple creek crossings and existing rock walls. In addition, conducted Alternative analysis, including Roundabouts and Modified Diverging Diamonds at multiple locations.		


		Firm AECOM Technical Services, Inc.	
Anthony Holder, PE, CFM Civil Engineering Discipline Lead		Years of Relevant Experience with this Employer	21
		Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization	MSc/1996/Environmental Science; BA/1990/Physics		
Active Registration Number / State / Expiration Date	96751/TX/ 09.30.2024 Additional active license: Certified Floodplain Manager (TX)		
Year Registered	2005	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	9. Roadway Design and Hydraulic Engineering. <i>Anthony is a civil engineering discipline lead with experience in hydrologic and hydraulic analysis and drainage design for complex state, municipal, and private projects, including major transportation corridors and bridge structures, studies of FEMA-regulated streams, land development projects, and dam breach analysis. This includes both detailed design of drainage structures/systems as well as large-scale impact analysis for urban and riverine civil infrastructure improvements. He is experienced in many commonly used 1D and 2D hydrologic and hydraulic analysis software packages, including XP-SWMM, EPA SWMM, HY-8, HEC-HMS, and HEC-RAS, and commonly used related software, such as ArcGIS and MicroStation.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
10/22 – present	TxDOT, Base Level Engineering Model Enhancement, TX. Modeling. This joint project with TxDOT and Texas Water Development Board will develop software that extends on previous work by others extracting bridge hull information from LiDAR point clouds and National Bridge Inventory data. This project will develop software to take the bridge hull data and create 1D and 2D bridges within existing BLE models. AECOM is focusing on 1D, while Stantec is focusing on 2D in this joint software development and modeling project, which will result in the software being applied to add bridges within several pilot area 1D and 2D BLE models. Anthony's role is guiding the development of the 1D bridge incorporation software.		
12/19 – present	Louisiana Watershed Initiative, Statewide LA. Hydrologic/Hydraulic Engineer. Supporting statewide initiative as part of a program management team. Anthony's role includes reviewing and providing feedback on hydrologic and hydraulic processes and guidelines that will be used to develop 2D HEC-RAS models covering the entire state of Louisiana.		
07/22 – 08/23	Pre-Development of Old Hwy 146 Parcels, Port of Houston Authority, Seabrook, TX. Hydraulic Engineer. Performed and coordinated floodplain and floodway analyses for a land development project that involves adding 300 feet of culvert along an existing channel in a regulatory floodplain with a floodway (Pine Gully), along with downstream widening of the channel. Assisted the designers in creating a workable project, including floodway analyses, detention sizing, and outfall design, as well as coordinating with multiple stakeholder agencies.		
08/22 – present	River Reintroduction to Maurepas Swamp, Coastal Protection and Restoration Authority, St. John the Baptist Parish, LA. Hydraulic Engineer. Provided guidance for the 2D HEC-RAS modeling approach and subsequent model reviews for this project that will allow flows from the Mississippi River to safely pass through a levee-protected area adjacent to the river and reach the Maurepas Swamp, delivering fresh water and nutrients to restore the wetlands in that area, without causing internal drainage impacts to the levee-protected areas adjacent to the diversion channel.		
10/20 – present	Community Development and Revitalization Program – River Basin Flood Studies, General Land Office, TX. Hydraulic Engineer. This flood study coordinated with the US Army Corps of Engineers will provide regional HEC-RAS 2D flood models for 22 counties in south Texas along the western Gulf Coast, as part of a larger study that covers the counties affected by Hurricane Harvey. This \$25M project will be used to develop planning studies in support of local entities that are requesting grant funding for flood damage reduction projects of all types, and covers coastal, riverine, and transitional areas.		

06/22 – present	TxDOT, Quick Turn Support. Hydraulic Engineer. Providing hydraulics and hydrology support to the Design Division of TxDOT on an as-needed basis. Support provided to date includes reviewing designs, reports, and models, as well as developing a 2D HEC-RAS model for a proposed bridge replacement. Developed a memorandum providing guidance on the differences and similarities between 2D HEC-RAS and SRH-2D, including discussion of how to select an appropriate model for a given project.
01/19 – 10/21	MAAPNext – Greens Bayou Watershed, Harris County Flood Control District, Harris County, TX. SME. Served as subject matter expert for linked 1D/2D HEC-RAS hydrologic and hydraulic modeling analyses to be used for floodplain mapping for this 200 square mile watershed with over 150 linear miles of studied streams. Coordinated modeling efforts of six regional modelers that were combined into a single watershed-wide model. Developed a method for extracting stage hydrograph and peak stage results for calibration storms to speed up the calibration process.
10/19 – 11/21	MAAPNext – San Jacinto River Watershed, Harris County Flood Control District, Harris County, TX. SME. Serving as subject matter expert for linked 1D/2D HEC-RAS hydrologic and hydraulic modeling analyses to be used for floodplain mapping for the portion of this 4,000 square mile watershed within Harris County. Coordinated development of inflows from upstream portions of the watershed into the model extent based on existing models for those areas.
02/21 – 09/22	Brownsville Navigation District Patio 22 Drainage Improvements, Brownsville, TX. Hydraulic Engineer. Prepared drainage models and plans for two related projects within BND involving expansion of rail, including support for rubber-tired gantry for loading and unloading of cargo. Substantial drainage improvements were required to meet BND criteria, while keeping down the costs. As part of the first project, insufficiencies in existing drainage infrastructure were identified, and rectified with the second project, which provided an alternative outfall for a major ditch serving the port.
05/17 – present (not continuous)	Melrose Park Drainage Improvements, City of Houston, TX. Hydraulic Engineer. Prepared SWMM models for existing and proposed conditions for a local drainage improvement project for a neighborhood served by roadside ditches leading to an open channel that is being deepened by another agency. Coordinating between agencies to ensure a successful design and impact mitigation. Challenges included confirming that all the ditches would have capacity, appropriate depths and side slopes, and assessing when to transition to closed storm sewer as the ditch depths exceeded standards.
12/14 – 07/18	North Harris Highway Improvement Project, Texas Department of Transportation, Harris County, TX. SME. Serves as a subject matter expert and drainage technical lead for the sheet flow analysis portion of this project, which involves converting about 3 miles of freeway through downtown Houston to a depressed section and assessing and designing storm facilities to manage the overland flow approaching the project alignment from offsite. One primary challenge of this project is that the overland drainage patterns differ significantly from the installed storm drainage system flow paths, and the proposed project cuts across existing overland flow paths. To assess these overland issues, AECOM developed a 1D SWMM model that covers approximately 20 square miles of central Houston, including closed storm drainage, overland flow and storage, depressed pavement, pump stations, and siphons. This model is being used to design storm drainage systems that will mitigate increases of flood risk for upstream areas.


Firm AECOM Technical Services, Inc.	
 Joseph Ivanyo Associate Vice President - Director Rail Group	Years of Relevant Experience with this Employer 13
	Years of Relevant Experience with Other Employer(s) 16
Degree(s) / Years / Specialization	BS/1995/Electrical Engineering
Active Registration Number / State / Expiration Date	NA
Year Registered	NA Discipline Electrical Engineering
Contract Role(s) / Brief Description of Responsibilities	9. Roadway Design and Hydraulic Engineering. <i>Joseph has 29 years of experience in high-profile positions governing strategic railroad system operations. He provides expertise in signal operations/construction management, owner's representative, and project oversight services. Joseph is adept at forecasting, estimating, budgeting, and expense control. He is deadline-driven, quality-focused, and demonstrates proactive leadership techniques.</i>
Experience Dates	Experience and qualifications relevant to the proposed contract.
01/13 – 12/23	Positive Train Control Program Management, Metropolitan Rail Corporation (Metra), Chicago, IL. Program Manager. AECOM is responsible for Metra's program management for installing Positive Train Control (PTC) on their network in the Chicago metropolitan area. The program includes managing all activities related to the PTC installations on the wayside signal system, dispatch system back-office server, and on-board locomotives and coaches. This will include managing and integrating the work accomplished by Metra staff and the selected System Integrator.
04/13 – 06/15	Chicago to Quad Cities Corridor Expansion Program, Illinois Department of Transportation, Chicago to Moline, IL. Program Manager. AECOM was responsible for the program management related to introducing intercity passenger rail service between Chicago Union Station and the future Moline multimodal station in the Quad Cities, approximately 168 miles. The program included coordination with the Federal Railroad Administration, Illinois Department of Transportation, BNSF Railway, Iowa Interstate Railroad, and Amtrak. Joseph served as the Program Manager for \$221 million service development program which included planning, National Environmental Policy Act (NEPA) process, preliminary engineering, final design, construction and implementation for the new service.
06/22 – 06/24	FRA Amtrak Long Distance Service Study, Nationwide. Study Task Lead that led engineering analysis and capital cost estimating to confirm viability of the identified preferred routes. Developed capital cost methodology and estimating tool, engineering analysis methodology, and final report. As part of the Infrastructure Investment and Jobs Act (IIJA), Congress has directed the FRA to study the long-distance passenger rail network along with identifying potential new routes; conducting market analysis taking into consideration links to underserved communities; and evaluating infrastructure and equipment needs to support the service.
03/13 – 01/15	Miami Intermodal Center (MIC) Station, Miami, FL. Senior Signal Engineer for the signalization of the MIC station. Provided review of existing infrastructure conditions; developed recommendation that led to technical signal design specification documentation; signal design review; construction oversight; and technical signal expertise for the newly designed MIC station. Joe led the design and specification development effort for the addition of a new highway/rail grade crossing warning system that was added to the complex station control point. AECOM, as the lead consultant, provided preliminary and final engineering design and program management services for the Miami Intermodal Center Station. This included expanding the current facility to a multi-track station that serviced South Florida Regional Transportation Agency (SFRTA) as well as Amtrak.

 Firm AECOM Technical Services, Inc.	
Clint Jumper, PE, PTOE (MPR 3) VP, Director of Growth, Gulf Coast, US West	
Years of Relevant Experience with this Employer 11	
Years of Relevant Experience with Other Employer(s) 24	
Degree(s) / Years / Specialization	BS/1999/Civil Engineering
Active Registration Number / State / Expiration Date	40098/LA/3.32.2026 Additional active license: TX, AR
Year Registered	2015 (LA)
License Title	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	MPR 3. 9. Roadway Design and Hydraulic Engineering Services. <i>Clint has served as Principal for several complex urban transportation projects. He has provided oversight for resource allocation and contracting. He has coordinated with owner staff and GECs to resolve contract issues, get the project approved, and subconsultants to proceed. Clint also coordinated challenges with subcontracting and oversaw contract compliance. He also provided guidance for implementation and technical guidance where needed.</i>
Experience Dates	Experience and qualifications relevant to the proposed project
05/18 – 03/23	TxDOT San Antonio District, I-410 San Antonio S&E, San Antonio, TX. Principal/Project Manager. Complex urban highway design and preliminary engineering services for US 281. The challenge in this area includes constrained right-of-way, complex utility conflicts, and heavy congestion. The study area included 4-miles along I-410, 2.5-miles along US 281, and the redesign of 15 interchanges (depressed and elevated). I-410 ranks 52nd in TxDOT's list of Top 100 Most Congested Roadways. Detailed route studies with over 10 alternatives and improvements that are designed to relieve congestion while improving access, mobility, and safety. The expected modifications include connector adjustments, ramp relocations, collector distributor roads, intersection improvements, and auxiliary lanes. Interchanges are being reconfigured to improve operations, including some alternative intersection concepts. PI tasks included coordination with state and local stakeholders, neighborhood groups, utility companies, and developers. 3D visualization tools were developed to help the public understand the complex improvements. Schematic and environmental clearance were completed in October 2021.
08/17 – 09/20	City of Austin, East Martin Luther King, Jr. Boulevard, FM 969 Corridor, Austin, TX. Principal-in-Charge. Complex urban highway project for safety, mobility, and connectivity improvements along the Martin Luther King, Jr. Boulevard/FM 969 Corridor Project from US 183 to Decker. Secured funding for Austin's current Corridor Completion Program. This project consisted of the development of a schematic for approximately two miles of FM 969 (Martin Luther King Blvd). The existing roadway was widened from an urban four lane section to a six lane section with eight-foot shared use paths on both sides of the roadway. The project scope also included the development of a preliminary layout of interim corridor improvements that were funded as a first construction project from the schematic.
11/2014 – 03/18	ARDOT, CA0101/CA0103 Hwy 64 from Cross County Line to Hwy 147, Crittenden County, AR. Principal. Oversaw the design support services for the maintenance of traffic (MOT) plans for the widening of Hwy 64 to four-lanes from the Cross County Line to Hwy 147 in Crittenden County, Arkansas. Project MOT included a phased construction of the roadway widening construction, multiple cross drainage structures, including two bridge class culverts, and a detour plan for local access to Hwy 64 during construction.

		Firm AECOM Technical Services, Inc.	
Clay Loyless, PE Senior Project Engineer		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	28
Degree(s) / Years / Specialization		MS/1995/Civil Engineering; BS/1980/Civil Engineering	
Active Registration Number / State / Expiration Date		28552/LA/09.30.2025	
Year Registered		1999	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		9. Roadway Design and Hydraulic Engineering. <i>Clay has 44 years of civil engineering experience in design and construction management, with emphasis in earthwork and site development, erosion control, and stormwater drainage projects. He has designed many site development plans, including detailed design of all proposed infrastructure improvements. He has also designed multiple drainage collection networks and numerous stormwater pump stations.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
08/15 – present	Coastal Protection and Restoration Authority, River Reintroduction into Maurepas Swamp, St. John the Baptist Parish, LA. <i>Task Order Manager.</i> Responsible for the design of a gated diversion structure on the Mississippi River and a diversion channel into the wetlands surrounding Lake Maurepas. Work includes hydraulic analysis and Civil Engineering aspects of the intake structure integral with the Mississippi River levee, the 150-foot wide by 5-mile-long diversion channel, and the flow distribution system. The diversion channel design includes raising River Rd and installing culverts underneath Airline Hwy and the CN & KCS RRs. Maintenance of drainage throughout the project is a key design element.		
06/17-06/18	USACE New Orleans District, Permanent Canal Closures & Pump Stations, New Orleans, LA. <i>Civil Task Order Manager and Reviewer.</i> Member of the DQA team supporting USACE, providing oversight on the design of stormwater pump stations at 17th St, Orleans Ave, and London Ave canals. With a combined pumping capacity of nearly 10 million gpm, these are some of the largest drainage pumping stations in the world. Provided technical design input on all civil engineering aspects of the projects, ensuring compliance with all USACE guidelines, and conformance to the JV Contractor's contractual requirements.		
01/21 – present	Coastal Protection and Restoration Authority, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA. <i>Task Order Manager Civil Engineer.</i> Responsible for Revetment Study evaluating various types of erosion protection of the diversion levee system for the Basis of Design report. Worked on the design of riprap revetment for the diversion intake, conveyance channel, and outfall. Performed internal technical review of all civil engineering aspects of the project, including site development, erosion control, drainage collection and stormwater pumping.		
09/19 – 12/2019	USACE Galveston District, Sabine Pass to Galveston Bay, Coastal Storm Risk Management and Ecosystem Restoration, Freeport and Vicinity, Contracts FPV02, FPV03, & FPV04, Freeport, TX. <i>Task Order Lead Civil Reviewer.</i> Responsible for the technical review of all aspects of civil engineering design for three contracts: FPV02 – Dow Barge Canal Vertical Lift Gate, FPV03 – Floodwalls and Levees, Old River North, Old River South, and Tide Gate, and FPV04 - Floodwall, Levees and Fronting Protection South Storm Levee, Oyster Creek, East Storm Levee, and Brazos River. Provided technical design input on all civil engineering aspects of the projects, ensuring compliance with all USACE guidelines and Engineering Standards of Practice.		

		Firm AECOM Technical Services, Inc.	
John Perez, PE, CFM Senior Transportation Project Manager		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	37
Degree(s) / Years / Specialization		BS/1983/Civil Engineering	
Active Registration Number / State / Expiration Date		66425/TX/06.30.2024 Other active license: Certified Floodplain Manager, Association of State Floodplain Managers, 1514-09N; HEC-RAS Micro Computing; Hydraulic/Hydrologic Programs, Texas Department of Transportation; Erosion and Sediment Control; HEC-1 Micro Computing; HEC-2 Micro Computing	
Year Registered		1989	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		Project Management and Support; 9 years of Design and Hydraulic Engineering. John is an experienced project manager with over four decades of engineering experience leading engineering and design teams for the design and construction of major urban freeways, fully directional interchanges, and city street projects. John's extensive experience includes advancing roadway plans at all levels of project development, including conceptual design, advanced planning, environmental document preparation, preliminary engineering (schematic design), and PE preparation for design-build alternative delivery assignments. John is a subject matter expert in hydraulic and hydrologic design and regularly assigned complex H&H projects for design.	
Experience Dates	Experience and qualifications relevant to this contract.		
11/24 – 01/24	TxDOT - Dallas District, I-635 LBJ East Freeway Design-Build Project - Design Services During Construction, Dallas, TX. Drainage Task Lead. Reviewed design alterations, construction issues, field change requests, and resolution of non-conformance reports during the project construction phase to support the design and reconstruction of the I-635 LBJ East Freeway in Dallas on this design-build project. The project aimed to improve safety and reduce traffic congestion in this heavily congested Dallas-Fort Worth commuter corridor. The project spans 11 miles, including just east of I-75 in North Dallas to I-30 in Mesquite.		
11/23 – present	TxDOT - Corpus Christi District, Padre Island Causeway & Environmental Services, SA 2022-2027 - 2nd Causeway Project, Corpus Christi, TX. Task Leader. H&H studies and design for this Padre Island causeway evacuation route along the South-Texas coast. These services were delivered under a task order contract. Services include complex two dimensional hydraulic analysis, setting roadway profiles above hurricane surge elevations, and equalizer culvert design to balance flood elevations during major storm events.		
01/13 – 03/14	Kiewit Corporation, Commuter Rail Improvements, Dallas/Fort Worth, TX. Drainage Design Manager. Provided engineering design services under a design-build contract for commuter rail improvements along a 10-mile rail corridor connecting Ft. Worth to the DFW airport.		
05/14 – 07/15	Zachry Group, Loop 1604 Improvements, Wiseman Road to SH 16/Bandera Road, San Antonio, TX. Drainage Design Manager. Provided engineering design services under a design-build pursuit to improve a 9.5-mile corridor of Loop 1604 in northwest San Antonio. The project included adding new freeway lanes, innovative interchange designs at SH 151, and improved frontage roads along this important city corridor.		
06/15 – 10/16	Archer Western/Sundt Joint-Venture, Loop 375 Improvements (Border Highway West), El Paso, TX. Drainage Design Engineer. Assisted with drainage design and utility coordination to support arterial improvements along the new alignment for a 5.5-mile corridor of Loop 375 in El Paso, Texas. The project included adding new freeway lanes (primarily bridge structures) and innovative interchange designs along this important city corridor.		


07/18 – 09/19	<p>TxDOT, IH-35E Managed Lanes Design-Build, Dallas, TX. Design Review Manager. Led a team of design review engineers tasked with evaluating the efficiency and cost-effectiveness of the roadway and associated design, pavement, SWPPP, drainage, and QC Plans. The project included improvements to a 28-mile-long corridor of IH 35E between Dallas and Denton, TX. The project aimed to improve existing interstate lanes, provide continuous frontage roads, and construct new, reversible managed toll lanes to keep traffic moving at 50'MPH.</p>
07/16 – 03/18	<p>TxDOT - Dallas & Fort Worth Districts, SH 183/SH 114/LP 12 Design-Build Freeway Reconstruction Dallas and Tarrant Counties, Industrial Blvd to IH 35E, Dallas & Tarrant Counties, TX. Design Task Manager. Supervised 24 drainage engineers on the SH 183/SH114/LP 12 design-build project that involved 29 miles of urban freeway reconstruction, with oversight over 10,000 acres of dense urban development. The design was completed in 14 months and, at peak production, required over 180 design professionals working concurrently to complete the PS&E project in record time. The drainage design involved hydraulic analysis, evaluation, and PS&E design for the freeway reconstruction of three intersecting freeways along a highly developed urban corridor through Dallas, Irving, and DFW Airport. The drainage design addressed inlet spacing and storm sewer design for a freeway system with 10 to 12 mainlanes of traffic, two to four HOV lanes, and eight frontage road lanes (a total of 24 lanes of traffic in the most developed areas). Fourteen major culvert/bridge crossings were designed, including five crossings in FEMA designated floodplains (Zone AE) and multiple detention systems with complex rate-of-release structures. The design also addressed the development of major outfall systems into the Elm Fork of the Trinity River, extensive river channel evaluations using HEC-2, and extensive coordination with the Ft. Worth District Corp of Engineers related to bridge hydraulics and structures over the Trinity River Levee System. The successful delivery of that project saved TxDOT, the City of Irving, and the City of Dallas over \$15 million in drainage structure savings by implementing detention systems and by researching, coordinating, and partnering with the cities to implement planned drainage capital improvement projects years ahead of schedule, resulting in cost savings and time savings benefiting the surrounding communities.</p>
11/19 – 02/21	<p>TxDOT - Houston District, SH 249 Design-Build (Greenfield Project), Houston, TX. Drainage Design Task Lead. Worked closely with the Williams Brothers executive team on the assignment in the TxDOT Houston District. The project included approximately 24 miles of a new tolled facility consisting of two mainlanes (two in each direction) from FM 1174 in Pinehurst, Montgomery County, to FM 1774 in Todd Mission, Grimes County. The project also included two new toll lanes (one in each direction) with periodic passing lanes (Super 2 configuration) from FM 1774 to SH 249 in Navasota, Grimes County (Segment 2). The project crossed twelve major AE Floodplains/Floodways, included four regional detention ponds, and required setting roadway elevations above the 100-year flood for the entire corridor (Hurricane evacuation route). To win the project, the design had to be tightly controlled, requiring close coordination between the roadway and drainage engineers to streamline the highway design and develop economical designs to minimize earthwork volumes.</p>
02/02 – 04/03	<p>TxDOT - San Antonio District, I-37/SH 410/San Pedro Interchange, San Antonio, Texas. Task Manager. Drainage design and bridge layouts of three overpass structures at one of San Antonio's most visible and congested interchanges. The three overpass bridge structures were designed to replace a cloverleaf interchange. The cloverleaf ROW was replaced with detention ponds near this high-end commercial development. The design approach required special hydraulic studies to develop interconnected detention pond systems that improved problem runoff in the project area. The detention pond system incorporated hydraulic functionality with landscape enhancements designed to blend with and complement the high-end commercial development adjacent to the interchange. Design creativity implemented by the team saved the TxDOT millions of dollars. Due to years of urban development, a major storm sewer was insufficient to carry offsite runoff, causing the freeway mainlines to flood frequently. This same storm main was routed under the North Star Mall, making downstream improvements cost prohibitive. Design creativity and detention systems allowed for an economical solution that utilized an existing 36" RCP to drain over 50 acres of dense urban development.</p>


Firm AECOM Technical Services, Inc.	
 Greg Trahan, PE, RSP₁ Project Manager V	Years of Relevant Experience with this Employer 18
	Years of Relevant Experience with Other Employer(s) 1
Degree(s) / Years / Specialization	BS/2005/Civil Engineering
Active Registration Number / State / Expiration Date	36041/LA/03.31.25
Year Registered	2011
Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>5. Traffic Engineering and Design Services - Planning and Reports; 5. Traffic Engineering and Design Services - Planning Development; 9. Roadway Design and Hydraulic Engineering; 12. Construction Support Services. Greg is a civil engineer who has worked hard delivering credible and quality projects for AECOM since graduating college. During his time with AECOM he has had experience as a civil engineer and project manager for many transportation, planning, design, and construction projects.</p> <p><i>Trainings: Safety Management Course; 2015 ATSSA Certified-Traffic Control Technician/Supervisor/Flagger; 2016 ATSSA Certified-Highway Surface Treatment Inspection & Installation; LADOTD Traffic Process and Report Part 3 (2016); 2017 ATSSA Certified-Traffic Control Supervisor Refresher</i></p>
Experience Dates	Experience and qualifications relevant to this contract.
09/17 – present	<p>Coastal Protection and Restoration Authority, Project 23 over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA. Project Engineer. Assisted in the design Plans for the bridge and roadway structure over the new sediment diversion. The project consists of a new concrete precast girder bridge with a maximum length of 200 feet in length, and the connecting asphalt roadway. Design Plans include Plan and Profile sheets, Drainage Plans, and Profile sheets. There will be multiple construction activities being conducted at one time, therefore the presence of Construction Plans is a critical element of design in order to manage traffic and maintain roadway operations even if evacuation would be required.</p>
05/14 – present	<p>LADOTD, Earhart Expressway Extension to US 61, Jefferson Parish, LA. Project Engineer. Traffic study involving the new extension of the Earhart Expressway, a four-lane urban freeway, to Airline Drive, a four-lane highway, for a total of ten lanes. The study will include analyzing existing and proposed conditions along the US 61 (Airline Highway) and LA 3154 (Dickory Avenue). As part of this project Greg is analyzing design alternatives, traffic data collection (speed and vehicle classification) along the corridor, and crash data.</p>
05/13 – present	<p>LADOTD (State Contract No. H.001779.5) Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA. Project Engineer. 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. Task included geometrics study of highway and interchange ramps to produce three feasibility alternatives.</p>
02/16 – present	<p>Jefferson Parish Public Works, Mounes St. Drainage Improvements, Jefferson Parish, LA. Project Engineer. Responsible for traffic control plans for the construction of the drainage improvements along Mounes Street. Plans included the phasing of traffic to install inground box culverts within the limits of the travel lanes.</p>


07/15 – 06/17	<p>LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA. Project Engineer. Responsible for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of 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.</p>
03/14 – 09/14	<p>LADOTD, Krotz Springs Bridge and Business US 90 Bridge In-Depth Bridge Inspection, LA. Project Engineer. Assisted in the Maintenance of Traffic Plans for the inspection of the Krotz Springs Bridge and the Business US 90 Bridge. These plans included provisions to divert traffic from the closed portions of the bridge or other ramps.</p>
11/11 – 01/13	<p>LADOTD, LA 935 Feasibility Study, Safety Retainer Contract, Ascension Parish, LA. Project Engineer. Performed a Stage 0 on a segment of LA 935 from LA 22 to LA 22. Developed a conceptual alternative for the realignment of LA 935, including the typical section, design criteria, plan, and cost estimate. The road paralleling Business US 90 was realigned approximately 20' off the original alignment. This realignment allowed for the road to be widening to 12' to add shoulders to provide a recovery area for drivers. AECOM also performed a cost analysis to evaluate the feasibility of a bridge in good condition, minimize required Right-of-Way and/or acquisition of properties.</p>
05/10 – 09/12	<p>LADOTD (State Project No. H.005) Safety Study to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA. Project Engineer. Aided in identifying projects that would provide increased capacity or improved safety along the US 90 corridor. Some of the improvements may include conversions of US 90 to interstate standards.</p>
02/07 – 06/10	<p>Baton Rouge Dept. of Public Works, Siegen Lane Improvements, Highland Rd. to 650' south of Perkins Rd., Baton Rouge, LA. Project Engineer. Assisted in the design of a project to widen 1.18-mile segment of Siegen Lane to a 4-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 100 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 updated. A HEC-RAS model was conducted on an existing drainage ditch crossing Siegen Lane to ensure that proposed drainage would not raise the existing tail water elevation. The sizing and spacing of culverts and inlets was determined using the LADOTD HYDRWIN hydraulic program. Prepared quantities and cost estimates for the project.</p>
11/04 – 12/07	<p>LADOTD (State Project No. 00-92-0016) Florida Avenue Bridge Rehabilitation, New Orleans, LA. Project Engineer. Assisted in the geometric design of interchange ramps connecting to Florida Avenue and two relocated parking areas for two major public installations in the area. He assisted in the design of girder splice and steel main span alternative. He also assisted in the preparation of structural calculations and cost estimates for the steel main span alternative.</p>

Firm AECOM Technical Services, Inc.	
 Keith Villere Senior Landscape Architect	Years of Relevant Experience with this Employer
	Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization	BLA/1978/Landscape Design and Urban Planning
Active Registration Number / State / Expiration Date	24-0226/LA/1.31.2025
Year Registered	1978
	Discipline Landscape Design
Contract Role(s) / Brief Description of Responsibilities	9. Roadway Design and Hydraulic Engineering Services. <i>Keith has more than 40 years of landscape architecture design and construction experience, with specific expertise in green infrastructure, sustainability, and traditional town planning. He has worked with municipal and private clients that have involved not only landscape design, but and master planning of landscape improvements that encompassed green infrastructure and sustainable landscape design principles.</i>

Experience Dates	Experience and qualifications relevant to the proposed contract.
08/23 – present	College Dr. Enhancements, Baton Rouge, LA. <i>Landscape Architect.</i> Landscape design, street trees and shrubs, bioswale design, and specifications
10/21 – 08/22	Lake Charles DR-4559-LA IRC, Lake Charles, LA. <i>Landscape Architect.</i> Support and planning team for recommendations of affordable housing options.
08/18 – 02/22	Landscape Design of Central Pump Station. <i>Landscape Architect.</i> Responsible for landscape design of Low Impact Development (LID) including grass channels and bioswale of parking area.
11/18 – 07/19	Landscape Design, West Harris County Regional Water Authority. <i>Landscape Architect.</i> Responsible for landscape design of Low Impact Development of proposed main office. Measures include permeable paving, bioswales, grass channels, and rainwater harvesting.
02/17 – 09/17	Fargo Bike and Pedestrian Path Design, Fargo-Moorhead Metropolitan Area Flood Risk Management Project, Fargo, ND. <i>Landscape Design & Consultant.</i> Responsible for the horizontal and vertical alignment of a 31-mile bike path in Fargo, ND. Project included the design of trailhead parking and restroom facilities and access to the trail.
08/15 – present	LADOTD, I-49 Lafayette Connector Design Studies, Tree Preservation, Lafayette, LA. <i>Landscape Architect and Technical Assistance.</i> Responsible for the evaluation and recommendation to preserve an ancient live oak tree within the construction zone of the interstate planning zone.
08/14 – 01/16	USACE, Dwyer Road, Green Infrastructure Landscape Design, New Orleans, LA. <i>Project Manager.</i> Responsible for the design of a 5,000 ft. bike and walking path using native trees and green infrastructure to include a series of water recharge catchment areas with native grasses and wildflowers in New Orleans East.
07/14 – 10/15	USACE, Landscape Master Planning Urban Flood Control, Uptown New Orleans, LA. <i>Project Manager.</i> Responsible for developing landscape master plan alternatives for presentation to the public to re-vegetate several neutral grounds in uptown New Orleans in concert with one of the city's major urban flood control project. Project utilized native tree plantings and green infrastructure under the guidance of the City's Administration, Public Works and Parks & Parkway departments.
04/15 – 04/17	Louisiana Coastal Zone Mater Plan Update. <i>Landscape Architect.</i> Responsible for engaging with participating parish entities to identify non-structural flood programs including reducing the amount of fill in a floodzone and base flood elevations in excess of established requirements.

Firm		Gresham Smith		
	Brennon Hughes, PE Transportation Engineer		Years of Relevant Experience with this Employer	7
			Years of Relevant Experience with Other Employer(s)	6
Degree(s) / Years / Specialization		BS/2011/Civil Engineering		
Active Registration Number / State / Expiration Date		PE 39985 / LA / 03/31/26		
Year Registered		2015	Discipline	PE Civil
Contract Role(s) / Brief Description of Responsibilities		9. Roadway Design & Hydraulic Engineering. <i>As a roadway design engineer, Brennon will provide development of roadway plans..</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
04/20 – 12/22	City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design. Lead Roadway/Roundabout Design Engineer. Gresham Smith was tasked with the full roundabout design to be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Brennon led the design and preparation of preliminary plans and cost estimates. This project is currently undergoing scope adjustments for final design.			
03/21 – Ongoing	MSY Airport: Entrance Road Capacity Design. Lead Roadway Design. Brennon was responsible for planning and coordinating staffing, scheduling, and budgeting for this project. He also led the design and the preparation of preliminary and final plans and cost estimates. He worked closely with Airport officials along with the consultant for the adjacent design-build project to coordinate the widening of the entrance road to the MSY Airport.			
08/17 – 12/20	LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA. Lead Roadway Design Engineer. Brennon led the design and the preparation of preliminary and final plans and cost estimates. This project involved safety and operations improvements for the intersection realignment, curb and gutter drainage design, sidewalks, truck islands and turnouts.			
10/15 – 08/17	LADOTD, Multilane Roundabout LA 22 at LA 70 and LA 22 Geometric Improvements near I-10, Ascension Parish, LA. Lead Roadway Design. This was a widening and intersection improvement project located at the intersection of LA 22 and LA 70 in Ascension Parish to north of I-10. This project included widening of LA 22, a double lane roundabout at LA 22 and LA 70 with a slip lane, along with two J-Turns north of I-10 and two J-Turns south of I-10 along LA 22. Brennon's role was to lead the design and the preparation of preliminary and final plans and cost estimates. He developed these plans from initial survey request up to 60% final plans.			
09/11 – 07/17	LADOTD Roadway Group. Project Engineer. Prior to joining Gresham Smith, Brennon served with the LADOTD Roadway Group as a designer on various roadway projects including a new roundabout, widening projects, overlay projects, and intersection improvements.			



Firm		Gresham Smith		
	Ronnie Robinson, PE Senior Engineer		Years of Relevant Experience with this Employer	8
			Years of Relevant Experience with Other Employer(s)	33
Degree(s) / Years / Specialization		BS/1982/Civil Engineering		
Active Registration Number / State / Expiration Date		PE 24040 / LA / 03/31/26		
Year Registered		1988	Discipline	PE Civil
Contract Role(s) / Brief Description of Responsibilities		9. Roadway Design & Hydraulic Engineering. <i>As a roadway design engineer, Ronnie will assist with the road design tasks for the preliminary and final plan. Ronnie has 33 years of experience with the Louisiana Department of Transportation and Development. He worked 11 of his 16 years in construction as a project engineer, eight years as manager of the design and permit sections and nine years as administrator for the design, water resources, permit and materials testing sections.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
04/20 – 12/22	City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design. Senior Transportation Engineer. Gresham Smith was tasked with the full roundabout design to be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Ronnie provided quality control for the preliminary design phase, participated in the plan-in-hand meeting, and will provide design assistance for the development of the final design plans.			
02/17 – 12/20	LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA. Senior Transportation Engineer. Ronnie's responsibilities included assisting in the development of preliminary and final plans and construction cost estimates. His efforts included coordination of the contaminated waste investigation, drainage layout and quality control for the preliminary design.			
07/17 – 06/19	LADOTD, SRTS/LRSP Task Order 7: McMillan at Blanchard Intersection Improvements Design, West Monroe, LA. Senior Engineer. Ronnie's responsibilities included conducting field traffic observations and collecting field data for the study portion. For the design portion, his responsibilities included developing conceptual designs, preliminary and final plans and construction cost estimates.			
03/16 – 10/17	LADOTD, Farmerville State and Local Road Traffic Study, Farmerville, LA. Senior Engineer. Gresham Smith was selected to perform a formal traffic study of all the intersections (57) within and around the City of Farmerville on both state and local routes. The project included data collection, safety/crash review, developing alternatives, analysis of existing and proposed conditions and benefit/cost analysis. Ronnie assisted with the development of alternatives and was responsible for developing construction cost estimates for various alternatives.			

		Firm Gresham Smith	
Richard Savoie, PE Senior Transportation Engineer		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	40
Degree(s) / Years / Specialization	BS/1978/Civil Engineering		
Active Registration Number / State / Expiration Date	PE 20936 / LA / 9/30/2024		
Year Registered	1983 PE	Discipline	PE Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 10.9. Roadway Design & Hydraulic Engineering. Richard will perform QA/QC of Design Plans, Specifications and Construction Estimates. Richard's 40+-year career includes 34 years with LADOTD in increasing roles culminating as the LADOTD Chief Engineer. As Chief Engineer, Richard was responsible for establishing engineering directives and standards, policies, budgets, expenditures, programs and procedures that guided project and program delivery, construction, and preservation of all transportation-related projects and systems.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
04/20 – Ongoing	City of Central (LA), Hooper Road (LA 408) at Sullivan Road (LA 3034) Roundabout Design. Senior Engineer. Gresham Smith is tasked with the full roundabout design which will be in accordance with LADOTD's Roadway Design Manual geometric requirements and LADOTD's Complete Streets Policy to accommodate both pedestrians and bicycles through this intersection. Richard is responsible for overall Quality Control on the project. He is mentoring the engineering staff on the field evaluation requirements, reviewing all potential improvements, and will perform QC reviews on the preliminary and final design plan submissions.		
09/18 – 12/20	LADOTD, SRTS/LRSP Task Order 6 and 21: Endom Bridge Preliminary and Final Design, West Monroe, LA. Senior Engineer. The project consisted of roadway realignment at the bridge approach to improve roadway geometry and safety. Right-of-way is being acquired at one quadrant of the intersection and Richard is assisting with the coordination between the right-of-way plans and the roadway requirements. Richard performed Quality Control reviews on the final preliminary design submission and was responsible for Quality Control on the final design process.		
09/18 – 12/19	LADOTD, SRTS/LRSP Task Order 14: Farmerville Design, Union Parish, Farmerville, LA. Senior Engineer. Richard provided quality control review for the Final Plan submission for this Safe Routes to Public Places Project. The review was to ensure that the plans were developed in accordance with standard LADOTD policy and procedure. Plans included installation of sidewalks along various local roadways, driveway adjustments to ensure ADA compliance and utility relocation avoidance.		
02/1990 – 3/14	LADOTD, Project and Program Delivery. Richard was the Project Manager for the I-49 North project in Caddo Parish, from I-220 to the Arkansas State Line. The project started with the Corridor Selection Study and progressed to the Environmental Impact Study. Once the alignment was selected plan development began and thence project delivery for this \$670 million project. As the Deputy Chief and Chief Engineer, he met with program managers in the Engineering Division and approved and recommended changes to their budget partitions and project schedules.		


DESIGN AND CONSTRUCTION
SUPPORT SERVICES

10. Bridge Design Services


(See Section 14)

 Firm AECOM Technical Services, Inc.		
 Ken Butler, PE (MPR 11) Senior Vice President, Civil	Years of Relevant Experience with this Employer	28
	Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization	BS/1984/Civil and Environmental	
Active Registration Number / State / Expiration Date	31476/LA/3.31.25 Additional active license: PE VA, FL, MD, PA, SC, NC, CA, DC, DE, NY, NJ	
Year Registered	1981	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	10. Bridge Design Services. Ken brings 37 years of experience and national recognition for his leadership on high profile bridge projects. He has been involved with the management, design, and construction of simple and complex bridges worth more than \$1 billion in construction cost. He has played significant roles on eight alternate delivery projects including the \$3 million Harry W. Nice/Thomas "Mac" Middleton Bridge in Maryland; \$449 million Frederick Douglass Memorial Bridge Project in Washington D.C.; \$227 million historic Armistice Memorial Bridge design build project in Washington D.C.; the \$1.3 billion PPP I595/I95/I75/FLTP Corridor Improvement in Fort Lauderdale, Florida; the \$250 million design build Carolina Bays Parkway in Myrtle Beach, South Carolina; the \$1.5 billion Tren Urbano mass transit project in San Juan, Puerto Rico; the \$150 million design build Man River bridge replacement in Rehoboth Beach, Delaware; and the \$1.3 billion PPP Edmonton (atlatina extradosed cable stayed bridge) in Edmonton, Alberta, Canada. He has provided design, management, construction support and construction engineering inspection services to 14 state agencies and several toll authorities.	
Experience Dates	Experience and qualifications relevant to the project	
06/14 – 06/18 (Bridge Lead)	LADOTD (H.004273) I-49 Connector, Lafayette, LA. Principal Structure Lead. Ken serves as Principal Structure Lead for the 3.5-mile long elevated precast segmental and cast-in-place concrete urban viaduct; four flyover connector ramps; three multi-level interchanges; two elevated SPUI's (sign over bridges – arches and viaducts); eleven overpass structures; three railroad bridges; and 27,000-feet of retaining wall.	
06/18 – present (QA Lead)		
10/19 – present	MDTA Harry W. Nice/Thomas "Mac" Middleton Bridge Replacement, Washington D.C. Design Manager. Ken serves as the design manager for this 1.9-mile long bridge over the Potomac River. Project includes major design over a navigable channel; environmental permitting; 200-ft deep foundation roadway design; staged construction; and reconstruction of the existing bridge over the Potomac River. As design manager, Ken is responsible for managing 60+ designers for designs, special provisions, shop drawings, and working plans for all design disciplines; implementing and overseeing the QA/QC program; coordinating with contractor, designers and owner in project office; budget and schedule compliance; and constructability and VE reviews. Ken has full professional liability for all engineering decisions and the final work product. The design took 1-year and he continues to provide construction support to the Design Builder.	


08/17 – present	<p>DDOT Frederick Douglass Memorial Bridge Project, Washington, DC. Design Manager. Ken serves as the design manager for this signature bridge project over the Anacostia River. Creation of a signature bridge and overall project aesthetics were key drivers behind the project to satisfy the Commission of Fine Arts and the National Capital Planning Commission. The 1,445-ft long bridge is comprised of three springing cable stayed arch spans at 452.5'-540'-452.5' supported by cable stays. The project includes traffic ovals; major Interstate reconstruction; complex MOT; utilities; new river bridge being built parallel to existing bridge; roadway transitions; H&HA scour; drainage and erosion and sediment control; environmental permitting; roadway lighting; bike/pedestrian facilities; landscape; etc. Duties include managing 130 designers for designs, plans, special provisions, shop drawings, and working plans for all design disciplines; implementing and overseeing the QA/QC program; integrating with contractor, designers and owner in project office; budget and schedule compliance; and constructability and VE reviews. He has full professional liability for all engineering decisions and the final work product. Load rating as well as an Owner & Inspector Manual were also part of the design scope. Ken began this project in 2016 during the pre-bid phase and was committed full time for two years through the design and construction. Design took 1.5 years and he continues to provide construction support to the Construction Builder.</p>
10/18 – 12/21	<p>NPS/FHWA-EFLHD Arlington Memorial Bridge, Washington, DC. Designer of Record. Ken served as the Designer of Record for this historic arch bridge rehabilitation project over the Potomac River. Primary components of the project included complete re-decking of the 2,162-foot-long bridge with precast concrete deck panels using steel reinforcing; complete replacement of interior arch supports; and total replacement of the masonry truss span with 2,162-foot long fixed steel girder spans. Ken's roles on Arlington Memorial Bridge and the Frederick Douglass Memorial Bridge Project were Designer of Record, and Ken had full professional liability for engineering decisions and final work product.</p>
01/14 – 12/20	<p>City of Edmonton Tawatina Bridge on Valley Road, Edmonton, Alberta, Canada. Technical Advisor. Ken was a technical advisor responsible for reviewing the extradosed cable stay design & performance specifications; supporting the owner during technical proposal reviews and bid selection; and providing technical input during construction to the owner. The concrete segmental extradosed cable stayed bridge is 1,248-ft long crossing the Saskatchewan River and includes 290-ft of cable stay spans</p>
03/11 – 08/14	<p>TxDOT, IH-35 Bridges over Brazos River, Waco, Texas. Technical Director. Ken served as the technical director for these twin extradosed cablestayed bridges that serve as the gateway entrance for Interstate 35 Waco, Texas. He was responsible for the technical development of the bridge design. His services included design and oversight of design methods & criteria, stay configuration, superstructure details, erection schemes, and analysis procedures. The bridge is a 3-span bridge with 185'-250'-185' (steel trapezoidal box superstructure). As Technical Director he was also responsible for assigning the design team as well as the quality control team.</p>
01/11 – 08/14	<p>LADOTD (State Project No. 700-15-05) Florida Avenue Bridge, New Orleans, LA. Bridge Lead. Bridge lead for the design efforts for the \$100 million 1,500-foot long span main unit crossing the Inner Harbor Navigational Canal. Directed the preliminary and final design phases for the section of the bridge, which includes a 470-foot main span crossing the canal with 156-foot vertical and 300-foot horizontal navigational clearances. Design alternatives were developed during the final design phase for the main unit including steel plate girders and cast-in-place variable depth concrete box girders. The overall project consisted of approximately two miles of elevated structure including high level approaches comprised of prestressed concrete bulb-T girders and curved steel girder interchange ramps.</p>

		Firm AECOM Technical Services, Inc.	
Gary Maji (MPR 11) Associate Vice President, Senior Project Manager		Years of Relevant Experience with this Employer	25
		Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization	BS/1988/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0043044/LA/3.31.25 Additional active license: PE CO, UT		
Year Registered	2018 (LA)	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>1. 10. Bridge Design Services. Gary has been in responsible charge of the project/program management, rehabilitation, and reconstruction of urban streets, highway bridges and railroad bridges and box culverts in accordance with AASHTO and AREMA specifications. He has led multi-disciplinary teams throughout the development of the conceptual, preliminary and final design phases and on-call engineering contracts for federal, state and local agencies. His experience includes design of two-way/surveying, environmental, and utility coordination throughout the development. His experience includes the design and preparation of steel and concrete girder bridge plans, special provisions and cost estimates formatted in accordance with capital project guidelines.</p>		
Experience Dates	Experience and qualifications relevant to the proposed work		
03/21 – present	<p>LADOTD, I-49 Connector, Lafayette, LA. Structural Engineer. Conceptual and preliminary design of this 7-mile reconstruction of I-49 through downtown Lafayette, LA. This project has a budget projected over \$1 billion and includes approximately 20 bridges and numerous retaining walls. Bridges span over several canals, Vermilion River, short line railroads and a roadway grid network through the Lafayette Central Business District. Structures include the evaluation of a 2-mile viaduct structure and a signature span structure considering cast-in-place segmental and composite girders, arched-rib and cable-stayed structure types that integrated context sensitive solutions into the bridge structure design. Recently submitted two conceptual design submittal packages for highway grade separations across BNSF and RR track.</p>		
05/20 – present	<p>South Academy Blvd over BNSF RR Grade Separation, El Paso County, CO. Structure Lead. Bridge rehabilitation design for an 800-ft, 6-span, steel plate girder bridge over RR tracks in Colorado Springs. As part of the bridge preservation efforts, Gary's team conducted nondestructive testing to evaluate existing deck condition, performed condition assessment and load rating analysis to develop retrofits for fatigue prone deck, identified expansion joint and bearing stiffeners and replacement details to extend the bridge design life. Design efforts include railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.</p>		
05/09 – present	<p>City of Fort Morgan, I-76 Corridor Design, Fort Morgan, CO. Project Manager, Structures Task Manager. Preliminary and final design of more than 27 structures along I-76 within a 16-mile corridor. This design work required safety improvements at four interchanges and complete reconfiguration at three other interchanges. Bridges crossed over canals, county roads, waterways, and the BNSF railroad. As part of the design of the I-76 Bridges over BNSF and Beaver Creek, Gary managed the development and submittal process for the conceptual, preliminary and final design requirements performed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.</p>		


03/13 – 05/21	<p>Lemay Avenue over BNSF/Vine Improvements, City of Fort Collins, CO. Structure Manager. Planning and design development for a new bridge crossing over Vine Street and the BNSF Railway tracks in northeast Fort Collins. Using a CM/GC project delivery, Gary's structure team led the design of a single-span bridge, (13) rockery retaining walls, and a pedestrian underpass structure that improves safety and provides multimodal connectivity to this area of the city. Design efforts included railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.</p>
04/16 – 11/20	<p>CDOT, C-470 Express Lanes D/B, Denver, CO. QA/QC Manager. As part of CDOT's \$215 million C-470 Express Lanes Design Build Project, AECOM designed and constructed 16 bridges and 18 overhead sign structures for this 12.5-mile corridor in Denver, Colorado. Bridge designs included widenings, rehabilitations and new construction in accommodate the interstate roadway re-configuration. Signs were designed in accordance with AASHTO'S Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and CDOT's Bridge Design Manual. As QA/QC Manager, Gary created project specific plans, design protocols, and developed a project specific quality</p>
09/18 – 05/19	<p>LADOTD, I-10 at Loyola Avenue Interchange Design-Build Tender Offer, Denver, CO. Proposal Project Manager and Structural Design Manager. Interchange improvement at the I-10 at Loyola Drive to provide direct access ramps to handle traffic to and from the new passenger terminal at Louis Armstrong International Airport. Duties included coordination with the contractor and all design tasks to prepare the proposal along with the selection and evaluation of multiple design technical concepts. Led plan development and quantity calculations for contractor bid.</p>
05/13 – 07/15	<p>LADOTD Jimmie Davis Bridge, Shreveport, LA. Bridge Engineer. Responsible for the conceptual design and report for bridge replacement and rehabilitation alternatives for Jimmie Davis Bridge over the Red River. Design efforts evaluated spliced-concrete U-girder, cast-in- place concrete segmental and other alternatives.</p>
02/12 – 05/15	<p>Fossil Creek Trail Underpass at BNSF, City of Fort Collins, CO. Project Manager and Structural Task Leader. Responsible for the conceptual and preliminary design of a trail structure through an existing 25-ft railroad embankment. Developed design details, structural reports and cost estimates for bridge and tunneled structure types for approval by BNSF Railway. Designs incorporated E-80 live load conditions developed in coordination with AREMA criteria. Also led efforts for the development and received approval for the PUC underpass agreement.</p>
03/08 – 10/11	<p>US 50 over BNSF Railway, Prowers County, CO. Quality Manager. Provided quality oversight for the multi-disciplinary preliminary and final design engineering, and construction support services for the reconstruction of a new bridge and roadway alignment across BNSF Railway tracks for the CDOT Lamar Residency. The project included a roadway alignment study to confirm the preferred alignment for the reconstruction of a new US 50 overpass. Extensive railroad coordination was required to facilitate the NEPA process and maintain schedule. The design team also used the UPRR/BNSF RR Grade Separation Guidelines to initiate and facilitate the railroad submittal and approval process.</p>

	Firm AECOM Technical Services, Inc.
Ken Butler, PE (MPR 11) Senior Vice President, Civil	Years of Relevant Experience with this Employer 28
	Years of Relevant Experience with Other Employer(s) 12
Degree(s) / Years / Specialization	BS/1984/Civil and Environmental
Active Registration Number / State / Expiration Date	31476/LA/3.31.25 Additional active license: PE VA, FL, MD, PA, SC, NC, CA, DC, DE, NY, NJ
Year Registered	1991 Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>1. 10. Bridge Design Services. Ken brings 37 years of experience and national recognition for his expertise on high profile bridge projects. He has been involved with the management, design, and construction of simple and complex bridges worth more than \$1 billion in construction cost. He has played significant roles on several alternate delivery projects including the \$3 million Harry W. Nice/Thomas "Mac" Middleton Bridge in Annapolis, MD; \$449 million Frederick Douglass Memorial Bridge Project in Washington D.C.; \$227 million historic Annapolis Memorial Bridge design build project in Washington D.C.; the \$1.3 billion PPP I595/I95/I75/FLTP Corridor Improvement in Fort Lauderdale, FL; the \$250 million design build Carolina Bays Parkway in Myrtle Beach, South Carolina; the \$1.5 billion Tren Urbano mass transit project in San Juan, Puerto Rico; the \$150 million design build Indian River Lagoon stayed bridge replacement in Rehoboth Beach, Delaware; and the \$1.3 billion PPP Edmonton (5-panel extradosed cable stayed bridge) in Edmonton, Alberta, Canada. He has provided design, management, construction support and construction engineering inspection services to 14 state agencies and several toll authorities.</p>
Experience Dates	Experience and qualifications relevant to the project
06/14 – 06/18 (Bridge Lead) 06/18 – present (QA Lead)	LADOTD (H.004273) I-49 Connector, Lafayette, LA. Principal Structure Lead. Ken serves as Principal Structure Lead for the 3.5-mile long elevated precast segmental and cast-in-place concrete over urban viaduct; four flyover connector ramps; three multi-level interchanges; two elevated SPUI's (signaling bridges – arches and stayed); eleven overpass structures; three railroad bridges; and 27,000-feet of retaining wall.
10/19 – present	MDTA Harry W. Nice/Thomas "Mac" Middleton Bridge Replacement, Annapolis, MD. Design Manager. Ken serves as the design manager for this 1.9-mile long bridge over the Potomac River. Project includes major design over a navigable channel; environmental permitting; 200-ft deep foundation roadway design; staged construction, and rehabilitation of the existing bridge over the Potomac River. As design manager, Ken is responsible for managing 60+ designers for design, special provisions, shop drawings, and working plans for all design disciplines; implementing and overseeing the QA/QC program; coordinating with contractor, designers and owner in project office; budget and schedule compliance; and constructability and VE review. Ken has full professional liability for all engineering decisions and the final work product. The design took 1-year and he continues to provide construction support to the Design Builder.


08/17 – present	<p>DDOT Frederick Douglass Memorial Bridge Project, Washington, DC. Design Manager. Ken serves as the design manager for this signature bridge project over the Anacostia River. Creation of a signature bridge and overall project aesthetics were key drivers behind the project to satisfy the Commission of Fine Arts and the National Capital Planning Commission. The 1,445-ft long bridge is comprised of three springing cable stayed arch spans at 452.5'-540'-452.5' supported by cable stays. The project includes traffic ovals; major Interstate reconstruction; complex MOT; utilities; new river bridge being built parallel to existing bridge; roadway transitions; H&HA scour; drainage and erosion and sediment control; environmental permitting; roadway lighting; bike/pedestrian facilities; landscape; etc. Duties include managing 130 designers for designs, plans, special provisions, shop drawings, and working plans for all design disciplines; implementing and overseeing the QA/QC program; integrating with contractor, designers and owner in project office; budget and schedule compliance; and constructability and VE reviews. He has full professional liability for all engineering decisions and the final work product. Load rating as well as an Owner & Inspector Manual were also part of the design scope. Ken began this project in 2016 during the pre-bid phase and was committed full time for two years through the design and construction. Design took 1.5 years and he continues to provide construction support to the Builder.</p>
10/18 – 12/21	<p>NPS/FHWA-EFLHD Arlington Memorial Bridge, Washington, DC. Designer of Record. Ken served as the Designer of Record for this historic arch bridge rehabilitation over the Potomac River. Primary elements of the project included complete re-decking of the 2,162-foot-long bridge with precast concrete deck panels using steel reinforcing; complete replacement of interior arch supports; and total replacement of the tubercule span with 200-foot long fixed steel girder spans. Ken's roles on Arlington Memorial Bridge and the Frederick Douglass Memorial Bridge Project were significant, and Ken had full professional liability for engineering decisions and final work product.</p>
01/14 – 12/20	<p>City of Edmonton Tawatina Bridge on Valley Road, Edmonton, Alberta, Canada. Technical Advisor. Ken was a technical advisor responsible for reviewing the extradosed cable stay design & performance specifications; supporting the owner during technical proposal reviews and bid selection; and providing technical input during construction to the owner. The concrete segmental extradosed cable stayed bridge is 1,248-ft long crossing the Saskatchewan River and includes 290-ft of cable stay spans</p>
03/11 – 08/14	<p>TxDOT, IH-35 Bridges over Brazos River, Waco, Texas. Technical Director. Ken served as the technical director for these twin extradosed cablestayed bridges that serve as the gateway entrance for the city of Waco, Texas. He was responsible for the technical development of the bridge design. His services included design and oversight of design methods & criteria, stay configuration, superstructure details, erection schemes, and analysis procedures. The bridge is a 3-span structure 185'-250'-185' (steel trapezoidal box superstructure). As Technical Director he was also responsible for assigning the design team as well as the quality control team.</p>
01/11 – 08/14	<p>LADOTD (State Project No. 70000000) Florida Avenue Bridge, New Orleans, LA. Bridge Lead. Bridge lead for the design efforts for the \$100 million 1,500-foot main span unit crossing the Inner Harbor Navigational Canal. Directed the preliminary and final design phases for the second bridge, which includes a 470-foot main span over the canal with 156-foot vertical and 300-foot horizontal navigational clearances. Alternates were developed during the final design for the main unit including steel plate girders and cast-in-place variable depth concrete box girders. The overall project consisted of approximately two miles of elevated structure including high level approaches comprised of prestressed concrete bulb-T girders and curved steel girder interchange ramps.</p>

		Firm AECOM Technical Services, Inc.	
Gary Maji (MPR 11) Associate Vice President, Senior Project Manager		Years of Relevant Experience with this Employer	25
		Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization	BS/1988/Civil Engineering		
Active Registration Number / State / Expiration Date	PE.0043044/LA/3.31.25 Additional active license: PE CO, UT		
Year Registered	2018 (LA)	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>1. 10. Bridge Design Services. Gary has been in responsible charge of the project/program management, rehabilitation, and reconstruction of urban streets, highway bridges and railroad bridges and box culverts in accordance with AASHTO and AREMA specifications. He has led multi-disciplinary teams throughout the development of the conceptual, preliminary and final design phases and on-call engineering contracts for federal, state and local agencies. His experience includes design of two-way/surveying, environmental, and utility coordination throughout the development. His experience includes the design and preparation of steel and concrete girder bridge plans, special provisions and cost estimates formatted in accordance with capital project guidelines.</p>		
Experience Dates	Experience and qualifications relevant to the position and contract		
03/21 – present	<p>LADOTD, I-49 Connector, Lafayette, LA. Structural Engineer. Conceptual and preliminary design of this 7-mile reconstruction of I-49 through downtown Lafayette, LA. This project has a budget projected over \$1 billion and includes approximately 20 bridges and numerous retaining walls. Bridges span over several canals, Vermilion River, short line railroads and a roadway grid network through the Lafayette Central Business District. Structures include the evaluation of a 2-mile viaduct structure and a signature span structure considering cast-in-place segmental and composite girders, arched-rib and cable-stayed structure types that integrated context sensitive solutions into the bridge structure design. Recently submitted two conceptual design submittal packages for highway grade separations across BNSF and RR track.</p>		
05/20 – present	<p>South Academy Blvd over BNSF RR Grade Separation, El Paso County, Structure Lead. Bridge rehabilitation design for an 800-ft, 6-span, steel plate girder bridge over railroad tracks in Colorado Springs. As part of the bridge preservation efforts, Gary's team conducted nondestructive testing to evaluate existing deck condition, performed load assessment and load rating analysis to develop retrofits for fatigue prone deck, identified expansion joint and bearing stiffeners and replacement details to extend the bridge design life. Design efforts include railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.</p>		
05/09 – present	<p>City of Fort Morgan, I-76 Corridor Design, Fort Morgan, CO. Project Manager, Structures Task Manager. Preliminary and final design of more than 27 structures along I-76 within a 16-mile corridor. This design work required safety improvements at four interchanges and complete reconfiguration at three other interchanges. Bridges crossed over canals, county roads, waterways, and the BNSF railroad. As part of the design of the I-76 Bridges over BNSF and Beaver Creek, Gary managed the development and submittal process for the conceptual, preliminary and final design requirements performed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.</p>		


03/13 – 05/21	Lemay Avenue over BNSF/Vine Improvements, City of Fort Collins, CO. Structure Manager. Planning and design development for a new bridge crossing over Vine Street and the BNSF Railway tracks in northeast Fort Collins. Using a CM/GC project delivery, Gary's structure team led the design of a single-span bridge, (13) rockery retaining walls, and a pedestrian underpass structure that improves safety and provides multimodal connectivity to this area of the city. Design efforts included railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.
04/16 – 11/20	CDOT, C-470 Express Lanes D/B, Denver, CO. QA/QC Manager. As part of CDOT's \$215 million C-470 Express Lanes Design Build Project, AECOM designed and constructed 16 bridges and 18 overhead sign structures for this 12.5-mile corridor in Denver, Colorado. Bridge designs included widenings, rehabilitations and new construction in accommodate the interstate roadway re-configuration. Signs were designed in accordance with AASHTO'S Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and CDOT's Bridge Design Manual. As QA/QC Manager, Gary created project specific plans, design protocols, and developed a project specific quality
09/18 – 05/19	LADOTD, I-10 at Loyola Avenue Interchange Design-Build Tender Offer, Los Angeles, CA. Proposal Project Manager and Structural Design Manager. Interchange improvement of the I-10 at Loyola Drive to provide direct access ramps to handle traffic to and from the new passenger terminal at Los Angeles International Airport. Duties included coordination with the contractor and all design tasks to prepare the proposal along with the development and evaluation of multiple design and technical concepts. Led plan development and quantity calculations for contractor bid.
05/13 – 07/15	LADOTD Jimmie Davis Bridge, Shreveport, LA. Bridge Engineer. Responsible for the conceptual design and report for bridge replacement and rehabilitation alternatives for Jimmie Davis Bridge over the Red River. Design efforts evaluated spliced-concrete U-girder, cast-in- place concrete segmental arch and steel girder alternatives.
02/12 – 05/15	Fossil Creek Trail Underpass at BNSF, City of Fort Collins, CO. Project Manager and Structural Task Leader. Responsible for the conceptual and preliminary design of a trail structure through an existing 25-ft railroad embankment. Developed design details, structural reports and cost estimates for bridge and tunneled structure types for approval by BNSF Railway. Designs incorporated E-80 live load conditions developed in accordance with AREMA criteria. Also led efforts for the development and received approval for the PUC underpass agreement.
03/08 – 10/11	US 50 over BNSF Railway, Prowers County, CO. Quality Manager. Provided quality oversight for the multi-disciplinary preliminary and final design engineering, and construction support services for the construction of a new bridge and roadway alignment across BNSF Railway tracks for the CDOT Lamar Residency. The project included a roadway alignment study to confirm the preferred alignment for the reconstruction of a new US 50 overpass. Extensive stakeholder coordination was required to facilitate the NEPA process and maintain schedule. The design team also used the UPRR/BNSF RR Grade Separation Guidelines to initiate and facilitate the railroad submittal and approval process.

Firm AECOM Technical Services, Inc.	
 Daniel Boyd, PE, CBI Structural Engineer VI	Years of Relevant Experience with this Employer 5
	Years of Relevant Experience with Other Employer(s) 13
Degree(s) / Years / Specialization	BS/2006/Civil Engineering
Active Registration Number / State / Expiration Date	36728/LA/03.31.26 Additional active license: MS, TX
Year Registered	2011 Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>Quality Control Reviews and Peer Reviews, 10. Bridge Design Services. Daniel has more than 17 years of professional 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 sign structures 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 structural bridge design, precast concrete girder design, structural steel design, structural concrete design, deep and shallow foundation design. He has a thorough working knowledge of AASHTO and Louisiana Design Standards, as well as the IBC, ASCE, and ASCE. He has experience in both new construction and design projects, including retrofits and expansion projects requiring modifications to existing structures, bridges, and foundations. He is familiar with current engineering codes and industry best practices. Daniel is also a certified bridge inspector.</p>
Experience Dates	Experience and qualifications relevant to the project.
01/20 – present	<p>TxDOT, LBJ East Design Build Project, Dallas, TX. Structural Task Lead and Engineer of Record. Completed detailed Independent Design Checks (IDC) for two prestressed bridge packages for the project. IDC analyses were performed for entirety of each bridge structure, from geometry, superstructure, substructure, 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, as well as ITS and Tolling equipment structures. The structure inventory included a combination of ground mounted and bridge mounted applications. Design included analysis of the steel trusses for the OSB and COSS structures, and design of custom aesthetic concrete support columns for the truss structures, and deep foundations for each structure. Served as structural task leader during Design Services During Construction (DSDC) phase to answer RFI's, resolve field issues, review shop drawings, plan and schedule drawing and calculation revisions, etc.</p>
03/21 – present	<p>TxDOT, Oak Hill Parkway, Austin, TX. Design Engineer. Design engineer for one design 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. Provided engineering support during Design Services During Construction (DSDC) phase to answer RFI's, resolve field issues, review shop drawings, etc.</p>
10/20 – 02/21	<p>TxDOT, IH 820 SE Connector Design-Build Project, Fort Worth, TX. Structural Design and QA/QC. 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 performed QA/QC on numerous bridge calculations, and detailed plan reviews on bridge plan drawings.</p>


03/21 – 09/21	LADOTD (SPN H.004273.5), I-49, Connector, Lafayette, LA. Structural Review. 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.
04/20 – 11/20	Port of Gulfport, Port of Gulfport Connector, Gulfport, MS. Structures Discipline Leader. 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 Ave. spanning Hwy. 90 providing direct trucking access into the Port of Gulfport.
10/19 – 12/20	Coastal Protection and Restoration Authority, LA 23 Bridge over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA. Structural Engineer. 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. Provided calculation and plans for the bridge and roadway. Reviewed shop drawings and QA/QC.
10/06 – 08/11	LADOTD, US 71/165 Ford Road Bridge/KCS Railroad Overpass, Alexandria, LA. Structural Design Engineer. Designed main river spans consisting of two 3-span (one each direction) with 300'-400'-300' steel plate girder spans, and multiple steel simple spans greater than 200' crossing river. Designed all aspects and components of the steel plate girder bridge units, including diaphragms, bolted splices, bearing, stiffeners, etc. Performed analysis and design of prestressed concrete girders, concrete bridge deck and columns, pile bents and piles, and provided peer review on other components of the project. Collaborated with steel fabricator to review/approve shop drawings and RFI's.
01/07 – 12/07	City-Parish of East Baton Rouge, Highway 42 (LA 42) Interchanges (Perkins to Airline), Baton Rouge, LA. Civil/Structural Design Engineer. Performed structural analysis on multiple aspects of the project. Design included concrete bridge deck, guard rails, analysis and design of prestressed quad beam concrete girder, bridge deck design, and prestressed concrete piles and concrete bents. Also performed calculation reviews on multiple aspects of the project.

Firm AECOM Technical Services, Inc.			
 Brett Canimore, PE, CBI Vice President, Business Development	Years of Relevant Experience with this Employer 25		
	Years of Relevant Experience with Other Employer(s) 7		
Degree(s) / Years / Specialization	MS/2009/Engineering Management; BS/1994/Civil Engineering Technology		
Active Registration Number / State / Expiration Date	053513E/PA/09.30.25 Additional active license: MI, MD, GA, DE, MT, NJ, NY		
Year Registered	1999	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	10. Bridge Design Services. Brett has more than 30 years of experience in bridge inspection, load rating analysis, rehabilitation, and design. He has been a Certified Bridge Safety Inspector since 1995. Brett has served as project manager, project engineer and lead structural engineer on a variety of projects and has been involved in more than 12,000 routine and in-depth NBIS inspections and bridge load ratings. Training: Bridge Safety Inspector Training Course; 1995, PA; Bridge Safety Inspection Training Refresher Courses; 1997 through 2022, PA; NHI Course No. 130078 - Fracture Critical Insp. Techniques for Steel Bridges, 2002 & 2018.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
02/23 – present	LADOTD (Contract No. 44-21593 State Project No. H.009859) IDIQ Contract for Bridge Load Rating Services, Statewide, LA. Project Manager. Load rating analysis of 140 bridges (superstructure and substructure) using AASHTOWare BrR software and other approved LADOTD software applications.		
12/12 – 06/18	LADOTD (Contract No. 44-2687 State Project No. H.009730.5) In-Depth Inspection of Complex Structures, Statewide, LA. Project Manager. Four-year retainer contract to perform in-depth bridge inspections of assigned complex structures. Assigned bridges include the Gramercy Bridge (2013), US 190 EB and WB Structures over the Atchafalaya River (2014), I-210 Lake Charles Bridge (2014), Louisa Bridge (2015), Vicksburg Bridge (2015), Mississippi River Gulf Outlet Bridge (2015), Miller's Bluff Bridge (2016) Greater New Orleans Bridge (2016). LA 182 Morgan City Bridge (2017) and LA 315 Dularge Bridge (2017). Assigned work also included the design to reset the rocker nest truss bearings of the US 190 WB Structure over the Atchafalaya River and the deck condition survey of the 18-mile long I-10 Bridge.		
01/18 – present	Montana Department of Transportation (MDT), Load Rating Bridges Term Contract (2018-2021 and 2021-2024). Project Manager. Responsible for load rating services for this statewide contract. The goal of this project is to provide load rating services on an as-needed basis for all of the state's legal loads. The work includes the analysis and rating of over 800 bridges to date throughout the state. The bridges include steel truss-floorbeam-stringer systems with gusset plate analysis, glue laminated timber, solid-sawn timber, reinforced concrete, prestressed concrete, multi-girder steel, corrugated metal pipe, and steel girder-floorbeam-stringer systems. AECOM used AASHTOWare Bridge Rating (BrR) software to analyze all structures that the program is capable of modeling.		
05/19 – present	PennDOT BOMO, Agreement E04533, Local NBIS Bridge Inspections, Statewide, PA. Project Manager. NBIS bridge inspections (550 bridges) and bridge load ratings (150 bridges) of locally owned bridges for DCNR, PennDOT District 4-0, District 5-0 and District 8-0. Each work order included various types and sizes of bridges such as reinforced concrete, P/S concrete, steel beam, steel truss and timber bridges. Many of the bridges are load-restricted or closed, and some bridges required a new load rating analysis due to deterioration. Both assignments included the development of Plan of Actions to address priority maintenance deficiencies and/or load capacity restrictions.		

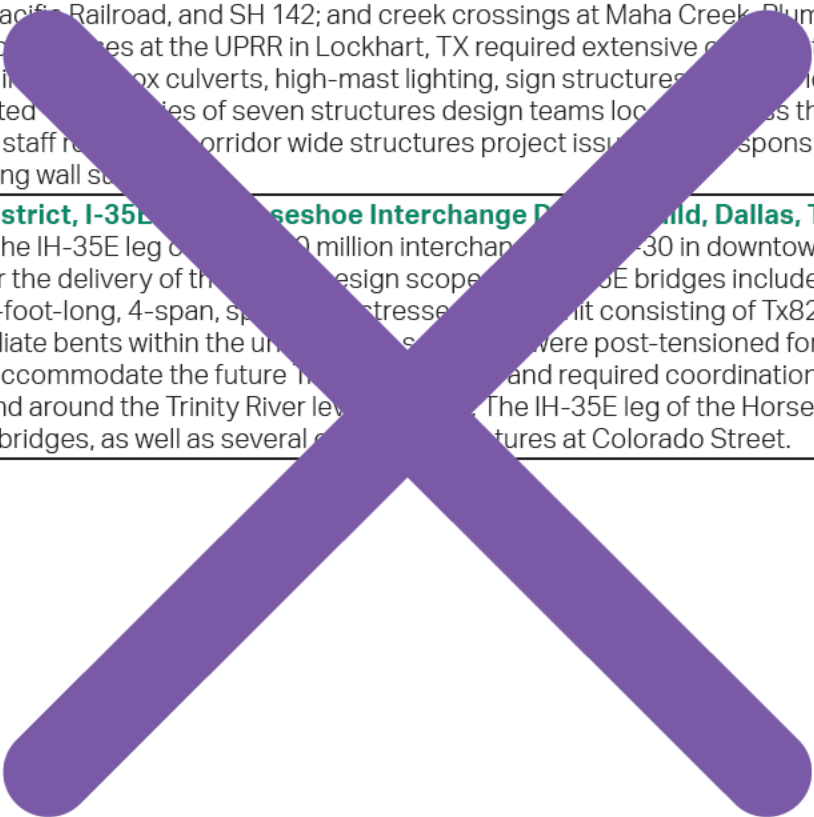
02/18 – 03/22	<p>Montana Department of Transportation (MDT), Agricultural Loads on Montana Bridges. Project Manager. Provided a review and analysis of data from existing weigh-in-motion (WIM) stations throughout the state to determine the presence of agricultural vehicles that are utilizing overload provisions after harvesting operations. The vehicles found to be utilizing overload provisions are analyzed for a variety of bridge spans and compared to existing design and rating vehicles in the state. Notional agricultural loads are created to model the effects of these overloaded vehicles, and procedures are recommended for statewide load rating and posting practice to include a consideration of these overloaded agricultural vehicles using calibrated live load factors.</p>
10/18 – 12/19	<p>Dominion Energy Questar Pipeline, Historic Cameron Bridge In-Depth Inspection, Cameron, AZ. Project Manager. Fracture critical inspection and overall condition assessment of the historic Cameron Suspension Bridge over the Little Colorado River in Cameron, AZ. The purpose of the inspection was to determine the overall condition of the bridge components, perform a “hands-on” inspection of the fracture critical members and fatigue sensitive details and to identify any structural deficiencies. AECOM inspectors utilized industrial rope access to gain access for the 100% hands-on inspection effort. This project also included a complete a load rating analysis in accordance with the AASHTO Manual for Bridge Evaluation (MBE). The load rating analysis will consider three scenarios for the bridge’s capacity. A baseline analysis of the as-built capacity, an as-inspected analysis which considers the identified deficiencies and an as-repaired analysis to consider the capacity of the bridge with assumed, minimal repairs to restore any ineffective member(s) to their original capacity. Since construction plans are not available for the structure, field measurements and a site survey were conducted to capture the overall dimensions of the structure, including the heights of the towers, the lengths of the span and the profiles of the bridge deck and the suspension cables. Light detection and ranging (LIDAR) scanning will be used since it is the most efficient way to gather this information. A 3-D point cloud will be generated that will capture a representation of the structure.</p>
05/14 – 02/18	<p>Montana Department of Transportation (MDT), Load Rating Bridges Term Contract (2014-2017). Project Manager. Provided load rating services for this statewide contract. The goal of this project is to provide load rating services on an as-needed basis for all of the state’s legal loads. The work included the analysis and rating of 150 bridges throughout the state. The bridges include glue laminated timber, reinforced concrete, prestressed concrete, multi-girder steel, steel girder-floorbeam-stringer and steel trusses. AECOM used AASHTOWare Bridge Rating (BrR) software to analyze all structures that the program is capable of modeling.</p>
07/12 – 07/18	<p>PennDOT District 5-0, Agreement E02417, NBIS Inspection of 543 State Owned Bridges, Carbon, Monroe, and Schuylkill Counties, PA. Project Manager. NBIS three-cycle contract focusing on structures within the designated counties and along high ADT interstate corridors. AECOM performed more than 350 load rating analyses on state-owned structures in these counties, using BAR7, PS3, BOX5, and ARCHv1.1 software. Project included routine NBIS inspections, interim inspections, emergency on-call services, load ratings analyses, CoRe element inventory and element level inspections. The structure types included rolled steel I-beam, prestressed box girder, concrete encased I-beam, girder-floorbeam-stringer, reinforced concrete slab, steel truss, pre-post tensioned concrete I-beam, reinforced concrete T-beam, reinforced concrete arch, and built-up and welded steel plate girder bridges. Field-noted deterioration was incorporated in calculations based on detailed field inspection.</p>


Firm AECOM Technical Services, Inc.			
 Rollin Ewart, PE, PTOE Project Engineer III	Years of Relevant Experience with this Employer 21		
	Years of Relevant Experience with Other Employer(s) 0		
Degree(s) / Years / Specialization	ME/2003/Civil Engineering; BS/2001/Civil Engineering		
Active Registration Number / State / Expiration Date	99287/TX/3.31.2025 Additional active license: PTOE		
Year Registered	2007	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	10. Bridge Design Services. Rollin has wide-ranging experience in the traffic/transportation engineering field, and has served as traffic engineering lead on several large projects. His illumination designs include both safety and continuous lighting for multiple TxDOT and local municipal roadways adhering to Highway Illumination Manual, AASHTO, and NEC criteria. These designs include the use of standard cobraheads with LED fixtures, high mast lighting, and decorative solutions for trails and bicycle paths.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/18 – 11/18	TxDOT - Odessa District, SL 250 at CR 1150 & CR 60. Illumination/Traffic Signal Design Lead. Illumination designer for the Loop 250 extension project at two interchanges in Midland. Provided roadway illumination schematic showing proposed photometric contours using Visual lighting software. Developed PS&E to provide safety lighting at ramp terminals and underpass lighting using 50' conventional luminaires with LED fixtures.		
10/17 – 07/18	TxDOT – San Angelo District, US 67 Extension. Illumination Design Lead. Illumination designer for the US 67 extension project between Loop 306 and US 277 in San Angelo. Provided roadway illumination schematic showing proposed photometric contours using Visual lighting software. Developed PS&E to provide safety lighting at ramp terminals and underpass lighting using 40' conventional luminaires with LED fixtures.		
07/15 – 05/18	Lane-Abrams Joint Venture/Texas Department of Transportation / NTTA, SH 360 Design-Build. Traffic Engineering Lead. Traffic engineering discipline leader for the 9.25-mile project consisting of toll lane construction on SH 360 in Grand Prairie and Mansfield, and a new interchange with US 287. New toll lanes were designed between the existing SH 360 frontage roads between Sublett Road/Camp Wisdom Road and US 287. Oversaw a team responsible for designing the signing and pavement markings, traffic signals, illumination, ITS, and traffic studies, all of which were completed under an accelerated schedule. Led weekly design meetings with the client, TxDOT, North Texas Tollway Authority, the general engineering consultant, the cities of Grand Prairie and Mansfield, and other stakeholders. Responded to contractor requests for information and performed shop drawing reviews.		
01/10 – 03/17	City of Arlington, Center Street Bridge over I-20. Illumination Designer. AECOM prepared the environmental documentation, schematic and PS&E for the extension of Center Street over IH 20. The 0.7 mile project included a hike/bike trail along the east side and a continuous sidewalk along the west side. Designed the illumination layout to meet all TxDOT Highway Illumination Manual, City of Arlington, ADA, and TDLR standards and criteria. Visual lighting software was used to verify the spacing and place illumination poles along the roadway segment and on the bridge structure. The proposed illumination layout met the photometric requirements for avg, avg/min, and max/min illumination values established by the City. The photometric contours layout was submitted to city staff for final approval prior to proceeding with design. The illumination design was completed by using City of Arlington Design Criteria Manual, Streetlight Design section for a Major Collector. The design uses 40 foot tall illumination poles with 250W equivalent LED luminaires. A staggered lighting configuration was used on the bridge structure while poles with twin arms were located in the median on the bridge approaches. The voltage drop calculations were checked against the City standard #2 Aluminum conductors. Electrical service locations were coordinated with Oncor.		

07/17 – 11/18	City of Arlington, New York Avenue/Eden Road Roundabout. <i>Traffic Analyst and Illumination Designer.</i> AECOM developed PS&E for Eden Road between Chambers Creek Road and SH 360 to realign New York Avenue to intersect Eden Road at a new roundabout. The project includes a ten foot wide hike and bike trail. Completed a traffic study to determine the feasibility of a roundabout at the proposed Eden and New York intersection. Using existing traffic counts and 2040 forecasts from TxDOT, three scenarios were analyzed using 2010 Highway Capacity Software: traditional intersections with all-way stop control or a traffic signal, and a roundabout. A Roundabout was determined to provide acceptable operations, while minimizing 95th queue lengths to the upstream SH 360 SBFR intersection located a mere 500 ft. upstream. Continuous lighting was provided using 40 ft. luminaires with LED lamps, along with conduits to accommodate the City's growing fiber-optic network.
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		Firm AECOM Technical Services, Inc.	
Patrick Hays, PE Associate Vice President, Structures		Years of Relevant Experience with this Employer	14
		Years of Relevant Experience with Other Employer(s)	25
Degree(s) / Years / Specialization	BS/1982/Civil Engineering		
Active Registration Number / State / Expiration Date	88034/TX/06.11.24		
Year Registered	2001	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	1. Alternative Delivery Technical Services; 10. Bridge Design Services. Patrick is a deputy regional bridge practice leader responsible for coordination of the highway structures design practice in Louisiana, Texas, Wisconsin and Minnesota. He has 39 years of experience in the design, rehabilitation, and widening of highway and railway bridges in Texas, Florida, Oklahoma, Kansas, and Missouri. He has managed projects involving a variety of transportation structures.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
09/20 – present	TxDOT, Austin District, Oltorf Parkway Design-Build, Austin, TX. Retaining Wall Discipline Leader. Design-Build project that will completely reconstruct US290 east of Southview Rd/Circle Drive east of Old Fredricksburg Road, plus a widening segment to the west end of the Industrial Oaks Express. In addition, the project includes reconstruction of SH71 from the US290 "Y" Interchange to Silvermine Drive. The project includes two major interchanges at US290/SH71 and at US290/Wm Cannon Drive. Total project length is 6.1 miles along US290 and 1.2 miles along SH71. Supervised segment teams for the delivery of approximately 80 retaining walls and 3 sound walls. The project also included bridge design scope, consisting of underpasses, overpasses and direct connectors. Responsibilities also include coordination with the contractor team, owner, other discipline leads, and the design manager.		
08/09 – 10/12	North Texas Tollway Authority, SH 161 (Georgetown Turnpike - Western Extension) Phase 4 - Design-Build, Grand Prairie, TX. Structures Discipline Leader. Extension of the facility from IH-20 to IH-30 including major multi-level interchanges at I-20 and I-30. Supervised eight design teams in management of the delivery of the bridge and wall engineering scope. The project included 44 bridges, including underpass bridges at Robinson Street, Union Pacific Railroad, Main Street, Dalworth Street, and Tarrant Road, constructed using a top-down approach. The project also included overpass bridges at Robinson Road, Forum Drive, Mayfield Road, Warrior Trail, Arkansas Lane, Pioneer Way, Marshall Drive, and Road/SW 14th Street, and January Lane. In addition, the project included creek crossings at Fitch Kirby Creek, South Fork Cottonwood Creek, and Cottonwood Creek. All retaining walls were designed and constructed including expansive clays and easterly slope. The project included the incorporation of aesthetic OSB, COSS, and toll gantry structures compliant with the NTTA aesthetic standards and standards. Responsible for the preparation of formal responses and resolutions to comments received from the NTTA & TxDOT.		
08/19 – present	TxDOT, Dallas District, 635East Design-Build, Dallas, TX. Structures Discipline Manager. Design-Build project that will completely reconstruct I-635 freeway from US75 Central Expressway thru the I-30 interchange in East Dallas. Responsible for leading the structures discipline in the delivery of bridge design for this 11-mile long facility. Supervised 13 bridge teams for the delivery of over \$20 million of bridge design scope. The project involves the design of 61 bridges, including a complex interchange at I-30 as well as a 300 ft long tied arch structure carrying Skillman Avenue over I-635. The project also included the design of cut (soil nail) retaining walls at a 635East underpasses at DART Blue Line and the DART pedestrian crossing that required extensive coordination. Responsibilities also include coordination with the contractor team, owner, other discipline leads, and the design manager.		

07/17 – 05/18	<p>95Express/Virginia Department of Transportation, 395 Express Lane Design-Build, Springfield, VA. On temporary assignment (August 2017 to April 2018), served as a Deputy Design Manager. This project is a 7.7 mile extension of the existing 95 Express Lanes in Fairfax County, VA. The project involves the conversion of two existing HOV lanes in this corridor to three High Occupancy Toll (HOT) lanes, fully integrated into the existing 95 Express Lane system (tolled). Assisted the Design Manager with leading and documenting eight weekly meetings (Design-Build Coordination, Technical Workgroup Meeting, Discipline Lead Coordination and five Segment Design Coordination meetings). Also assisted with the collection of schedule updates from design leads for the preparation of weekly schedule updates and narrative reports to the Design-Build Contractor (LANE), 95Express, and VDOT.</p>
10/07 – 10/12	<p>TxDOT, SH 130 Toll Facility Design, Segments 5 and 6, Travis and Caldwell Counties, TX. Structures Discipline Leader. This is a 26-mile extension of SH 130 from Mustang Ridge (SH 45 SE interchange) to the San Marcos River. The project included 51 bridges, including multi-level interchanges at SH 45 SE and US 183, underpass bridges at CR 222, Plum Creek turnaround, CR 108, CR 217, CR 109, SH 80, CR 218 turnaround, and CR 218. Also included were overpass bridges at Maha Loop, Laws Road, CR 176, SH 21, CR 179, FM 1185, FM 2001, Union Pacific Railroad, and SH 142; and creek crossings at Maha Creek, Plum Creek, Clear Fork Creek, and Dickerson Creek. A featured set of 4 culverts at the UPRR in Lockhart, TX required extensive coordination. Led all aspects of the structure design services for bridges, retaining walls, box culverts, high-mast lighting, sign structures, utility structures, and other miscellaneous structures. Organized, led, and coordinated the design of seven structures design teams located across the country. Coordinated directly with CTxHC design and construction staff regarding corridor wide structures project issues. Responsible for the resolution of all comments received on bridge and retaining wall submittals.</p>
09/12 – 06/17	<p>TxDOT, Dallas District, I-35E and Horseshoe Interchange Design-Build, Dallas, TX. Design Delivery Lead. Led the design delivery of 21 bridges on the IH-35E leg of the \$1.2 billion interchange at I-30 in downtown Dallas. Supervised five bridge teams and one specialty team for the delivery of the design scope. The IH-35E bridges included 4 major structures over the Trinity River, each featuring a 1,000-foot-long, 4-span, spliced prestressed girder unit consisting of Tx82 girders and 130-inch-deep haunched sections over the intermediate bents within the unit. The girders were post-tensioned for continuity. The spliced prestressed girder unit was proportioned to accommodate the future I-35E widening and required coordination with the US Army Corps of Engineers regarding construction in and around the Trinity River levee. The IH-35E leg of the Horseshoe Interchange also included multiple ramp and direct connector bridges, as well as several culverts and structures at Colorado Street.</p>





		Firm AECOM Technical Services, Inc.	
Gary Maji (MPR 11) Associate Vice President, Senior Project Manager		Years of Relevant Experience with this Employer	25
		Years of Relevant Experience with Other Employer(s)	11
Degree(s) / Years / Specialization		BS/1988/Civil Engineering	
Active Registration Number / State / Expiration Date		PE.0043044/LA/3.31.25 Additional active license: PE CO, UT	
Year Registered		2018 (LA)	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		MPR 11. 10. Bridge Design Services. Gary has been in responsible charge of the project/program management, design, rehabilitation, and reconstruction of urban streets, highway bridges and railroad bridges and box culverts in accordance with AASHTO and AREMA specifications. He has led multi-disciplinary teams throughout the development of the conceptual, preliminary and final design phases and on-call engineering contracts for federal, state and local agencies. His experience includes the design of right-of-way/surveying, environmental, and utility coordination throughout project development. His experience includes the design and preparation of steel and concrete girder bridge project special provisions and project cost estimates formatted in accordance with capital project guidelines.	
Experience Dates	Experience and qualifications relevant to proposed project		
03/21 – present	LADOTD, I-49 Connector, Lafayette, LA. Project Manager. Conceptual and preliminary design of this 7-mile reconstruction of I-49 through downtown Lafayette, LA. The project budget projected over \$1 billion and includes approximately 20 bridges and numerous retaining walls. Bridges span over interchanges, Vermilion River, short line railroads and a roadway grid network through the Lafayette Central Business District. Structures included the evaluation of a 2-mile viaduct structure and a signature span structure considering cast-in-place segmental concrete tub girders, arched-rib and cable-stayed structure types that integrated context sensitive solutions into the bridge structure design. Gary recently submitted two conceptual design submittal packages for highway grade separations across BNSF and LDRR tracks.		
05/20 – present	South Academy Blvd over BNSF RR Grade Separation, El Paso, CO. Structure Lead. Bridge rehabilitation design for an 800-ft, 6-span, steel plate girder bridge over BNSF tracks in Colorado. As part of the bridge preservation efforts, Gary's team conducted nondestructive testing to evaluate the existing deck condition, performed a fatigue assessment and load rating analysis to develop retrofits for fatigue protection and identified expansion joint and deck repair and replacement details to extend the bridge design life. Design efforts included coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.		
05/09 – present	City of Fort Morgan I-76 Corridor Design, Fort Morgan, CO. Project Manager, Structures Task Manager. Preliminary and final design of more than 27 structures along I-76 within a 16-mile corridor. This design work required safety improvements at four interchanges and complete reconfiguration at three other interchanges. Bridges crossed over canals, county roads, waterways, and the BNSF railroad. As part of the design of the I-76 Bridges over BNSF and Beaver Creek, Gary managed the development and submittal process for the conceptual, preliminary and final design requirements performed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.		

03/13 – 05/21	Lemay Avenue over BNSF/Vine Improvements, City of Fort Collins, CO. Structure Manager. Planning and design development for a new bridge crossing over Vine Street and the BNSF Railway tracks in northeast Fort Collins. Using a CM/GC project delivery, Gary's structure team led the design of a single-span bridge, (13) rockery retaining walls, and a pedestrian underpass structure that improves safety and provides multimodal connectivity to this area of the city. Design efforts included railroad coordination and design submittals developed in accordance with the UPRR/BNSF RR Grade Separation Guidelines.
04/16 – 11/20	CDOT, C-470 Express Lanes D/B, Denver, CO. QA/QC Manager. As part of CDOT's \$215 million C-470 Express Lanes Design Build Project, AECOM designed and constructed 16 bridges and 18 overhead sign structures for this 12.5-mile corridor in Denver, Colorado. Bridge designs included widenings, rehabilitations and new construction in accommodate the interstate roadway re-configuration. Signs were designed in accordance with AASHTO'S Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals and CDOT's Bridge Design Manual. As QA/QC Manager, Gary created project work plans, design protocols, and developed a project specific quality manual.
09/18 – 05/19	LADOTD, I-10 at Loyola Drive Interchange Design-Build Tender Office, New Orleans, LA. Proposal Project Manager and Structural Design Manager. Interchange improvements at the I-10 at Loyola Drive to provide direct access ramps to handle traffic to and from the new passenger terminal at Armstrong International Airport. Design included coordination with the contractor and all design tasks to prepare the proposal along with review and evaluation of multiple alternative technical concepts. Led plan development and quantity calculations for contractor bid.
05/13 – 07/15	LADOTD Jimmie Davis Bridge, New Orleans, LA. Bridge Engineer. Responsible for the conceptual design and report for bridge replacement and rehabilitation alternatives for the Jimmie Davis Bridge over the Red River. Design efforts evaluated spliced-concrete U-girder, cast-in- place concrete segmental steel girder alternatives.
02/12 – 05/15	Fossil Creek Trail Underpass at BNSF, Fort Collins, CO. Project Manager and Structural Task Leader. Responsible for the conceptual and preliminary design of an underpass structure through an existing 25-ft railroad embankment. Developed design details, structural reports and cost estimates for both bridge and tunneled structure types for approval by BNSF Railway. Designs incorporated E-80 live load conditions developed in accordance with AREMA criteria. Also led efforts for the development and received approval for the PUC underpass agreement.
03/08 – 10/11	US 50 over BNSF Railway, Prowers, CO. Quality Manager. Gary provided quality oversight for the multi-disciplinary preliminary and final design engineering, and construction support services for the construction of a new bridge and roadway alignment across BNSF Railway tracks for the CDOT's 2 Lamar Residency. Project included a roadway alignment study to confirm the preferred alignment for the reconstruction of the new US 50 overpass. Extensive stakeholder coordination was required to facilitate the NEPA process and maintain schedule. The design team also used the UPRR/BNSF RR Grade Separation Guidelines to initiate and facilitate the railroad submittal and approval process.


Firm AECOM Technical Services, Inc.			
	Stephen McCullough, PE Associate Vice President, Civil Engineer VI	Years of Relevant Experience with this Employer	14
		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization	MS/2010/Civil Engineering; BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date	108751/TX/ 03.31.2025		
Year Registered	2011	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	<p>10. Bridge Design Services. Stephen has served as lead and co-lead designer on several major bridge projects including multi-level complex bridge design/direct connector design, complex underpass, and braided ramp design. He also has experience with staging and widening bridge design, as well varied retaining wall systems. In addition to conventional bridge structures, He has experience in post-tensioned straddle bent design, drop-in spliced girder layout/detailing, multilevel bent (ladder bent) layout/design, culvert design, and heavy highway construction inspection. He also has experience in schematic roadway design and preliminary drainage design, with the ability to draw upon his experience in roadway and drainage design to augment his ability to successfully complete bridge projects, and aide in the interdisciplinary coordination required on large projects.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
01/21 - 04/24	<p>TxDOT, Southeast Connector Design Build Project Fort Worth, TX. Structures Lead. This project is part of the Texas Clear Lanes project and is located in the southeast corner of Tarrant County. The total length is 16.6 miles comprised of three roadways I-20, I-820, & US-287. The project includes 3 major interchanges and numerous underpass and overpass structures. The project also includes 4 major UPRR (Union Pacific Railroad) overpasses and 2 major UPRR underpass structures. The project limits were bound on I-20 from Forest Hill Drive to Park Springs Boulevard, I-820 from I-20 to Brentwood Stair Rd, and US-297 from Bishop St. to Sublett Rd. The total number for bridges on the project, included deferred work components includes 71. Stephen led the structural coordination for plan and calculation development for the bridges on the project.</p>		
03/18 - 06/20	<p>TxDOT, LBJ East Design Build Project Dallas, TX. Structures Lead. Stephen led the structural proposal design effort for the I-30/I-635 interchange and adjacent underpass/overpass bridges. Tasks included preliminary bridge design, quantity calculations and preparation, and proposal plan preparation for the interchange. Creating weekly presentations for contractor review of each bridge was one of his key functions. He developed optimization and alternative technical concepts (ATC's) for the contractor throughout the proposal. Bridges, under his charge, included eight direct connectors, five underpass bridges, and two overpass bridges. The two underpass bridges were designed for future expansion of the I-20 mainlanes. During delivery Stephen served as Deputy Structural Discipline Leader supporting 18 teams spread across the U.S., and Europe to deliver construction plans to the contractor for 61 bridges in 61 weeks. His primary role as Deputy Structural Discipline Leader was to guide all 18 teams, technically, through the project delivery process. This included spearheading technical procedures for all aspects of bridge design and lead technical meeting for all team throughout the design phase.</p>		
01/17 - 12/17	<p>MDOT, SR 57, Mississippi Red Creek Bridge Replacement Perkinston, MS. Bridge Designer. Served as a structural design engineer for the substructure and foundation design for a 472.25' long spliced drop-in girder bridge. SR 57 bridge replacement is a rural bridge located on the Red creek at the intersection of SR57 near the town of Perkinston, MS. Stephen designed the substructure system which included cast-in-place bridge abutment caps and cast-in-place bent caps that supported a 472.25' long spliced drop-in 3 span bridge. He designed the foundation system which included straight and battered H-Pile abutment systems as well as cast-in-placed bored piles for the interior bents. Red Creek soil conditions provided a unique opportunity to overcome several foundation challenges. The Red Creek soil and creek scour conditions required 6' diameter, 135' long bored piles.</p>		


04/18 - 06/15	<p>City of Dallas, West Dallas Gateway, Phase II, Dallas, TX. Bridge Designer. Served as staff engineer for this rail reconstruction project. The project included approximately 2 miles of the UPRR lines in west Dallas. The primary goal of the project was to provide neighborhood connectivity in an area that was previously bisected by the rail line. The project included construction three, new, single span, underpass rail bridges and the associated track work, retaining wall work, and drainage work. The bridges were designed to be constructed in phases with rail sidings. Two of the three bridges are steel superstructures, and the other is a pre-stressed concrete superstructure bridge. Key components of the bridge were the full height drilled shaft retaining wall abutments. These abutments required extensive soil exploration, soil analysis, and structural analysis to ensure that serviceability was achieved due to the extremely poor soil conditions in the area.</p>
03/14 - 08/16	<p>CTRMA – Central Texas Regional Mobility Authority, US183 Bergstrom Expressway, Austin, TX. Structural Lead. The Bergstrom Expressway project is approximately 8 miles in length, stretching between US 290 and SH 71 in Austin, TX. Bergstrom Expressway is one of Austin’s most important arterials. The Bergstrom Expressway project includes three new tolled lanes and three improved non-tolled general purpose lanes in each direction. The facility also includes new bicycle lanes, sidewalks, and shared use paths for pedestrians and cyclists. The Bergstrom Expressway corridor contains 60+ bridges, and Stephen played a pivotal role in assessing ATC concepts and formulating quantity savings for the successful award of the project to AECOM and the Joint Venture partners. During the design phase of the project he was the engineer of record for several unique bridge structures that incorporated the use of inverted portal V-type bent shapes for several underpass bridges. Stephen also was the engineer of record for all aesthetic OSB (Overhead Sign Bridge) structures, which incorporated the use of TxDOT pre-stressed concrete box beams for the horizontal supports; a type of structural element rarely used in the construction of OSBs.</p>
07/12 - 09/14	<p>TxDOT, The Horseshoe Project, Dallas, TX. Office Structural Lead. The Horseshoe included 44 bridges for the IH30 and IH35E Dallas interchange area, including 6 new bridges spanning across the Trinity River, four of which Stephen was directly responsible for their layouts and one of which he was directly responsible for the plan development. The Horseshoe was split geographically between two areas, Area 1 (IH30) and Area 2 (IH35E). During The Horseshoe procurement phase he was responsible for engineering quantities and cost saving mechanisms, project wide, to allow the joint venture partners to successfully procure the project. During the design phase Stephen was directly responsible for eight of the 21 bridges on the Area 2 side of the project, one of which included a 1,020-ft. spliced girder drop-in unit viaduct bridge spanning the Trinity River. He served as the Dallas office lead structural engineer for the first phase of the project and then Area 2 Structural Task Leader for the second phase of the project and for construction phase services. During the second phase of the project he led a team of 20 AECOM structural engineers and AECOM CAD staff, and a sub consultant, located in various AECOM offices in the U.S. and Canada. He led these teams to the successful plan development of eight minor and major/complex bridges during the second phase of the project. Stephen was responsible for interacting with both the engineering client, construction client, and the owner on a daily basis. Such interactions included participating in and occasionally leading the weekly project wide coordination meeting, weekly technical workgroup meetings, and plan review meeting for all Area 2 bridges – all as the AECOM representative.</p>
10/09 - 04/11	<p>TxDOT, North Tarrant Expressway, Segment West, Fort Worth, TX. Staff Bridge Engineer. Co-lead and lead designer on several major and minor bridge facilities and railroad culverts. These bridge facilities included two multi-level direct connectors, multiple underpass bridges and several creek crossings. Designed and was responsible for all components of several of the bridges’ designs including: superstructure, substructure, and foundations. Designed and took responsibility for a 6 span, elevated, dual intersection bridge. This bridge featured both conventional Tx-Girders and a series of concrete slab span that tied into the side of the bridge. This bridge, in particular served to connect the managed lanes directly to the underpass structure.</p>

Firm AECOM Technical Services, Inc.	
 Craig Parent, PE, SE Associate Vice President, Project Manager VI	Years of Relevant Experience with this Employer 28
	Years of Relevant Experience with Other Employer(s) 0
Degree(s) / Years / Specialization	BSCE/1995/Civil Engineering; MSCE/1997/Civil Engineering
Active Registration Number / State / Expiration Date	36117/CO/10.31.25 Additional active license: UT (Structural), AZ, CA
Year Registered	2002
	Discipline Civil/Structural Engineer
Contract Role(s) / Brief Description of Responsibilities	10. Bridge Design Services. <i>Craig has extensive experience managing on-call contracts, individual task orders, and project specific contracts including small bridge rehabilitation and replacements; complex structural repair and retrofit; emergency repair and replacement; and large multidisciplinary projects such as grade-separated interchanges. His rehabilitation and repair experience includes non-destructive load testing, bridge deck scanning (GPR and IR), finite-element modelling, bridge jacking, substructure replacement, foundation augmentation, concrete deck repair, fatigue retrofit, and bearing and expansion joint replacement.</i>
Experience Dates	Experience and qualifications relevant to the proposed contract.
07/20 – 09/21	Repair Assessment of Bridge No. 93.1, I-20 EB to I-55 NB, Jackson, MS. <i>Independent Technical Reviewer.</i> Responsible for the load rating and repair recommendations. This bridge exhibits diagonal cracking of the concrete girders and spalling at the dapped girder ends which weakened the structural integrity of the bridge and warranted a load posting. The load rating was completed using a 3D finite model using CSiBridge software. Craig provided subject matter expertise for rehabilitation measures such as bearing repair/replacements, bridge seal using high molecular weight methacrylate (HMWM), concrete patching, expansion joint replacement, and dapped girder rehabilitation.
03/20 – 01/21	The City of Colorado Springs, Colorado Avenue Bridge Rehabilitation, Colorado Springs, CO. <i>Bridge Engineer.</i> Responsible for load rating and quality checking the design and rehabilitation plans for two 95'-0" wide, 6-span precast concrete I-girder bridges over Sierra Madre Street and UPRR, and Monument Creek. The bridge decks were evaluated using ground penetrating radar survey to determine deck deterioration and depth of cover to reinforcing, as well as infrared thermographic survey to locate deck and overlay delamination. These bridges further underwent a life cycle cost analysis comparing two deck repair and overlay material alternatives, followed by recommendations for repair of displaced bearing devices; replacement of aging expansion joints; and repair of localized deck deterioration.
01/19 – 12/19	ODOT, Bridge Load Ratings, Various Locations, OH. <i>Task Leader and Quality Checker.</i> Responsible for 60 bridges in Ohio using AASHTOWare BrR software. The structures typically included rolled steel beams and welded steel plate girders rated in accordance with Ohio DOT policies and AASHTO specifications. The rating team evaluated multiple complex structures to determine innovative methods to rate in BrR rather than using more costly methods using finite element analysis software.
06/16 – 06/18	CDOT, Bridge Load Ratings, Various Locations, CO. <i>Task Leader and Quality Checker.</i> Responsible for over 60 structures using AASHTOWare BrR software in accordance with the CDOT Bridge Load Rating Manual and AASHTO specifications. Structure types include concrete slab and girder, continuous concrete slab and girder, continuous steel girder bridges, and reinforced concrete t-beam structures. The project included working directly with the CDOT to deliver rating packages under tight schedule and budget constraints.


Firm AECOM Technical Services, Inc.	
 Greg Reilly, PE Electrical Senior Manager	Years of Relevant Experience with this Employer 2
	Years of Relevant Experience with Other Employer(s) 18
Degree(s) / Years / Specialization	BS/2004/Electrical Engineer
Active Registration Number / State / Expiration Date	0047409/LA/ 03.31.2025 Other active license: IL, IN, NE, KS, FL, GA, MO, TX. OH
Year Registered	2022 (LA) Discipline Electrical Engineer
Contract Role(s) / Brief Description of Responsibilities	10. Bridge Design Services; 13. Other Services (Roadway and Aesthetic Lighting Design). <i>Greg specializes in electrical design, roadway lighting, parking lot lighting, bridge lighting/electrical, pedestrian lighting, aesthetic bridge lighting, decorative lighting, Smart lighting systems, aviation lighting/electrical, NAVAIDS, toll plazas, intermodal yards, train platforms, generators/emergency power systems, solar power systems, EV chargers/ infrastructure, ITS, and traffic signal design services. He is well-versed in roadway lighting design, including conventional, high-mast, tunnel, roundabout, DDI, and SPUI. He is also proficient in AGi32 lighting software. His project experience includes successful ventures with high-profile clients including the Illinois Department of Transportation for the completion of large-scale electrical engineering projects, as well as significant electrical design contributions to Illinois Tollway and Chicago Department of Transportation projects. He has also provided significant electrical designs for various DOT's, airports, railroads, and other agencies across the country.</i>
Experience Dates	Experience and qualifications relevant to the proposed contract.
10/22 – present	I-80 from I-55 to Briggs Street Reconstruction (DCM and Design), Illinois Department of Transportation, Joliet, IL. QA/QC. DCM lighting QA/QC lead responsible for specifications, details, and designs for conventional roadway, ramps, and underpass lighting systems. DCM role also included coordination with other corridor designers to ensure consistency in roadway lighting designs. Design role included final lighting design from Houbolt Road to west of Center Street. Developed specifications, details, and design plans for all electrical work, including coordination with involved disciplines through construction.
10/22 – present	I-190 Reconstruction (DCM and WB Design) – Lighting and Toll Plaza, Illinois Department of Transportation, Chicago, IL. Electrical & Lighting Design Lead. DCM electrical and lighting lead responsible for specifications, details, and designs for roadway lighting systems and toll plaza electrical/communications systems. DCM role also included coordination with other corridor designers to ensure consistency in roadway lighting designs. Developed specifications, details, and design plans for all lighting and toll plaza electrical/communication work, including coordination with involved disciplines through construction.
02/23 – 09/23	Dynamic Wireless Power Transfer Pilot Project – Electric Infrastructure Design, Indiana Department of Transportation, West Lafayette, IN. Electrical Design Lead. Electrical lead responsible for the electrical infrastructure design required for the wireless in-pavement electric vehicle charging pilot project. Design included coordination with INDOT and pilot project team to develop plans, details, and specifications for construction. Coordinated electrical details for DC & AC power distribution system and communications.
12/22 – 12/23	Toronto Pearson International Airport – Parking Garage EV Charging Infrastructure Concept Design, GTAA, Toronto, ON. Electrical Design Lead. Electrical lead responsible for concept design drawings for Level 1, Level 2, and Level 3 EV chargers and electrical infrastructure. Design role included coordination with EV charger manufacturers and the client. Developed plans and details for how EV chargers could be installed in parking garages at this busy airport.

01/23 – 08/23	<p>Acadia Gateway Intermodal and Welcome Center – Parking Lot EV Chargers Design, Maine Department of Transportation, Acadia, MN. <i>Electrical Design.</i> Provided electrical design support for Level 2 and Level 3 EV charger specifications and electrical infrastructure. Design role included coordination with EV charger manufacturers and writing specifications for the EV chargers. Coordinated electrical infrastructure details for how these EV chargers would be powered in the parking lot at this state park facility.</p>
03/20 – 09/22	<p>General Engineering Consultant (GEC), Illinois Tollway, Lisle, IL. <i>TSMO Manager.</i> TSMO manager responsible for ITS, roadway lighting, fiber optics, and business systems-related work. Responsible for managing a team of individuals that perform many tasks related to those disciplines such as create and maintain design standards, design reviews, training, ITS and business systems inspections, reporting, asset management, systemwide planning, budgeting, construction walkthroughs, fiber assignments, warranty surety inspection, and special projects. Also responsible for cutting edge initiatives for LED lighting replacements, utility rebate applications for LED replacements, wireless lighting management systems, wrong-way driver detection/prevention and connected & automated vehicle strategic planning, electric vehicle (EV) chargers at fleet maintenance yards and rest areas, along with researching available EV charging infrastructure rebate opportunities.</p>
10/12 – 02/20	<p>I-74 over the Mississippi River Design, Iowa Department of Transportation, Bettendorf, IA / Moline, IL. <i>QA/QC and design.</i> Provided Lighting and ITS QA/QC for the design team, as well as lighting design for preparation of contract plans, estimates, and specifications. He also provided QC for the ITS and fiber optic design packages for the corridor. The project scope included designing roadway and aesthetic lighting and coordination with the ITS, traffic signal, and structural designs for the roadway reconstruction of I-74 from Bettendorf, Iowa to Moline, Illinois. The proposed lighting, ITS, and traffic signals were part of a complete roadway and bridge reconstruction over the Mississippi River in this area. The ITS design included lane control/utilization structures, dynamic message signs, CCTV cameras, and traffic detectors. The existing suspension bridge will be replaced with a tied-arch bridge, which includes color-changing LED aesthetic lighting. The design of the lighting system includes 45' and 50' roadway poles with specially designed 14' davit arms with 10' radii and LED luminaires. Decorative "C" shaped light poles with LED luminaires were also included in the design for the arch bridge and multi-use path. Swivel mount LED navigation lighting was also designed per U.S. Coast Guard standards.</p>
08/17 – 03/19	<p>Fargo University Drive - 18th Avenue to I-94, North Dakota Department of Transportation, Fargo, ND. <i>Project Manager.</i> Project manager responsible for managing the lighting and traffic signal design, as well as preparation of contract plans, estimates, and specifications. This project included the design of roadway and pedestrian tunnel lighting, ITS, and traffic signals for the reconstruction of University Drive in Fargo, North Dakota. The proposed lighting is part of the roadway reconstruction and creation of a multi-use path pedestrian tunnel in this area. The roadway lighting design provides significantly improved lighting for the roadway and intersections. LED luminaires on 40' galvanized steel light poles were specified to replace the existing HPS lighting and reduce energy consumption. The lighting layout was designed to minimize the number of poles. Pedestrian tunnel lighting was designed to provide excellent light levels and uniformity for the safety of pedestrians. Permanent and temporary traffic signals were also designed for three intersections.</p>
10/12 – 03/16	<p>I-90 Jane Addams, Design & Corridor Management, Illinois Tollway, Cook/Kane County, IL. <i>Lighting Design Lead.</i> Lighting design lead who led the design of continuous freeway lighting for nearly 6.9 miles. The design included four interchanges which are completely lit with 50-foot aluminum poles and LED luminaires, and five underpasses also with LED luminaires. Greg also designed the temporary wood pole lighting units. The design of this project included seven miles of widening and reconstruction of the I-90 Tollway. Work tasks included mainline and interchange design, toll plazas, lighting, ITS, utility re-locations, and bridge replacements.</p>
02/16 – 03/17	<p>IL 89 over the Illinois River, Illinois Department of Transportation, Spring Valley, IL. <i>Project Manager.</i> Project manager responsible for managing the lighting design team, as well as preparation of contract plans, estimates, and specifications. Originally built in 1934, the 19-span, 1,775-foot IL 89 bridge over the Illinois River is a bent steel truss structure in need of removal and replacement. The proposed new bridge includes increased width, bicycle/pedestrian accommodations, and street lighting along the parapet. Other elements of the project include traffic control, review of crash data, and coordination with the Army Corps of Engineers to design the structure to prevent future pavement flooding. The proposed bridge includes increased width, bicycle/ pedestrian accommodations, and LED street lighting along the parapet. Other elements of the project include LED bridge navigation lighting to assist in river traffic navigation.</p>


Firm AECOM Technical Services, Inc.				
	Bradley Touchstone, FAIA		Years of Relevant Experience with this Employer	5
	Vice President, Bridge Architect - Complex Bridges		Years of Relevant Experience with Other Employer(s)	24
Degree(s) / Years / Specialization		BA/1993/Architecture		
Active Registration Number / State / Expiration Date		Registered Architect #6057/Louisiana /12.31.2024 Additional active license: FL, AL, DE, MA, MI, NY		
Year Registered		2004	Discipline	Architect
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design Services. <i>Bradley will use his years of design and facilitation work to help facilitate agreement on bridge and urban design issues. He has over 29 years of experience as a bridge architect and in using design features to mitigate impacts associated with visual change, Section 4(f) and S106.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
03/16 – 08/19	Gordie Howe International Crossing, Detroit, MI. Bridge Architect and Aesthetics Lead. Responsible for the development of the aesthetic design requirements for the main bridge and lead author for the aesthetic design guidelines for the entire \$2.7 billion project. He served as lead aesthetic consultant to the owner (Windsor-Detroit Bridge Authority) during the two year procurement P3 procurement process.			
02/08 – 12/11	LADOTD (SP No. 052-02-0024), John James Audubon Bridge, Point Coupee and West Feliciana Parishes, LA. Bridge Architect. Responsible for the aesthetics associated with the new Audubon Bridge over the Mississippi River in St. Francisville, LA			
11/15 – 05/17	LADOTD (SP No H.003495), I-49N Segment K – Phase I (I-220 to MLK Dr.), Shreveport, LA. Bridge Architect. Responsible for aesthetics, public involvement and coordination of the art in public places installation on the new bridge.			
06/11 – 12/12	Hastings Bridge, Hastings, MN. Bridge Architect and Visual Quality Manager. Replacement of the existing bridge over the Mississippi River. Bradley led the architectural design and public involvement process for the river bridge.			
01/14 – 04/16	Red Wing Bridge, Red Wing, MN. Bridge Architect. Stakeholder involvement and preliminary design for the new Mississippi River crossing in historic downtown Red Wing, MN. This work included to development of the Aesthetic Design Guidelines that directed the development of the final bridge design.			
03/07 – 02/09	kciCON, Kansas City, MO. Bridge Architect. Design Build team constructing the kciCON Bridge. Bradley C. Touchstone, AIA led a community involvement and aesthetic design process for the design build team of Paseo Corridor Constructors resulting in a design which was awarded 95% of the potential points for aesthetics, secured the contract and opened the door to an entirely new level of public input for major bridge projects.			
05/07 – 05/10	First Street Bridge Restoration and Expansion, Los Angeles, CA. Bridge Architect. Restoration and expansion of this 1920's spandrel arch bridge in Los Angeles, CA. The bridge is listed on the National Historic Register and required HABS/ HAER Recordation for the State Historic Preservation Office and the National Parks Service. Bradley led the historic mitigation and design process for the significant urban bridge.			

		Firm AECOM Technical Services, Inc.	
Joseph Tse, PE, PEng. Vice President, Complex Bridge Practice Leader		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	40
Degree(s) / Years / Specialization		BS/1977/Civil Engineering	
Active Registration Number / State / Expiration Date		075662/NY/12.31.24 Additional active license: PE NJ, MN, MD, FL, VA, DE, OR, KY, TN, GA, BC, ON	
Year Registered		1998	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design Services. <i>Joseph has been involved with the design and construction of complex structures in both concrete and steel. He is competent in the theory of structures and behavior of materials, and also in the planning, concept development and management of bridge design, construction, rehabilitation and maintenance. He has been construction engineer and contractor's advisor on numerous bridge projects, many of which are iconic and record setting. As design manager, he has led the development of engineering solutions, often using custom built gantries and equipment, to construct, rehabilitate or replace complex structures.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
12/18 – present	Gordie Howe International Bridge, Detroit MI – Windsor Ontario. Senior Engineer. Providing technical support for the delivery of this record-breaking cable-stayed bridge; responsibilities include the development of a redundancy report, construction specifications, design checking and review of submittal packages for contract compliance. The superstructure is a composite design comprised of steel edge girders, steel floor beams, both composite with a concrete deck slab. With a main span of 853-meters, the superstructure will set a world record for cable-stayed composite spans upon completion. The main supports are two inverted Y shaped concrete towers with no intermediate struts. A tie beam below-grade is used to connect the footings at each of the towers. The bridge is designed for a 125 year service life.		
06/18 – present	LADOTD, I-49 Connector Project, Lafayette, LA. Lead Bridge Engineer. Responsible for the preliminary engineering of the development of the signature spans. Concepts evaluated included arches and extradosed bridge types. He also supported the development of the segmental alternative for the viaduct. AECOM's role involves re-evaluating bridge alternatives that were based on a previously prepared ROD. The goal is to determine the best-value bridge and structure alternatives for the project involving 2.7 miles of elevated viaduct.		
07/18 – 02/19	ALDOT, I-10 Mobile River Bridge (Bayway), Mobile, AL. Lead Structural Engineer. Managed the pre-bid design of the 7-mile long Bayway segment of the project. Schedule is one of the challenging aspects of the project as MOT is a primary consideration. Several schemes were developed to simplify staging requirements at the East Interchange to meet traffic requirements and facilitate early completion of the project. With access to the site being constrained by the shallow water, and dredging is prohibited due to environmental concerns, consideration of top-down construction are key aspects in the type selection for this project. The structure is designed for a 100-year service life. Storm surge, waves, vessel impact and scour are additional factors that drive design decisions.		
06/18 – 12/18	South Capitol Street Corridor Project, Washington D.C. Senior Bridge Engineer. Provided project support in reviewing the final plans of the Arch Spans comprised of a three-span structure totaling 1445 feet in length with a main span of 540 feet. The arch ribs are a hexagonal box section that tapers in depth from the base to the crown. The ribs are supported by V-Piers constructed of post-tensioned, cast-in-place concrete.		


01/18 – 05/18	LaGuardia AirTrain Project, Queens, NY. Lead Structural Manager. Preliminary design of elevated guideway structures comprised of steel and concrete box girders with concrete columns up to 85 feet tall. He then led the selection of superstructure cross-sections and substructure types, laid out spans for several alignment options and led the checking of critical structural units that are susceptible to vibration issues. He also developed the design criteria and specifications for a design-build procurement program. Existing and future utilities, stage construction requirements, maintenance of traffic and restricted access to construction sites are all factors that affected the placement and type selection of foundation elements.
01/18-12/18	Gulch Bridge, Nashville, TN. Principal Structural Engineer. A network-tied arch and a cable-stayed deck option were considered. The cable-stayed superstructure was on an S-shape reverse curve alignment with a single inclined pylon. The 340-foot main span over the CSX railroad is to be supported by a non-composite steel grillage comprised of edge girders, floor beams, and K-bracing. The reverse curvature in the cable-stayed superstructure resulted in a significant variation of loading in the grillage system. Planters and seating are to be placed on the bridge deck to create a linear park setting for the users. The north end of the pedestrian bridge descends to a plaza at street level next to the Cummins Station. Beneath the plaza are four stories of underground parking. Part of the project involves developing staged construction to maintain the stability of the railroad tracks during the excavation of the underground parking garage. Other design considerations are the accommodation of existing and planned utilities affected by the new structures at both the north and south ends of the bridge.
01/17-12/17	St. Croix River Crossing Bridge, Oak Park Heights, MN. Senior Supervising Engineer. Responsible for various phases of this extradosed bridge project from initial scoping to preliminary design and post-construction baseline inspection. The bridge is consisted of a west approach ramps leading to a 6-span 3365' long extradosed unit with a maximum span of 600'. The superstructure is comprised of parallel precast box girder. Transverse post-tensioning is located at deck level, where cable-stays anchor and transfer loads from the interior box girder webs to the cable-stays.
01/17-12/17	Cable-Supported Pedestrian Bridge at the University of Memphis, Memphis, TN. Lead Bridge Engineer and Structural Design Manager. Design of a cable-stayed pedestrian bridge. This bridge features four back stay cables attached to ground anchors. The tower is canted over the single cable-supported span, supported by five pairs of stay cables. The deck is a composite steel design, utilizing partial depth precast panels and a CIP secondary pour.
01/17-12/17	I35W over Lake Street, Minneapolis, MN. Task Leader. Responsible for the PS&E for the superstructure on a 3-span continuous post-tensioned box girder bridge. The unusual aspects of this structure include the fact that it supports the loading of a transit (bus) station on the bridge barriers, including dead load of the roof system and wind effects, while requiring large access opening in the top deck for stairs and elevator. Continual coordination with the station designer to accommodate conduits, connection details for the roof supports, etc. were some of the main design challenges. Live loading is significantly greater than the AASHTO requirements when considering closely spaced buses parked / standing at the loading platform while additional buses pass through on remaining lanes.
01/16-12/16	Cleveland Lakefront Connector Pedestrian Bridge, Cleveland, OH. Principal Structural Engineer. Responsible for type selection and supporting the development of design-build procurement documents for a signature bridge that brings pedestrians from the downtown Malls to the lakefront. Three options were assessed included a suspension bridge, a cable-stayed bridge and a series of arch supported spans. Working closely with the project architect and a team of construction estimator, schedules and estimated costs were developed for each of the three options, which facilitated consensus building in a well-informed process. Given the complexity of constructing the superstructure over railroad and major roads, overhead construction was studied in detail including an unprecedented concept to incrementally launching a superstructure with a reversed curvature for the arch supported spans. The cable-stayed option with a single curvature was ultimately selected.

		Firm AECOM Technical Services, Inc.	
Landon Whitton, PE, CBI Associate Vice President		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		BS/2009/Mechanical Engineering	
Active Registration Number / State / Expiration Date		41523 / LA / 09.30.25 Additional active license: MS, AR	
Year Registered		2017	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design Services. Landon has technical and management experience in many facets of engineering projects. Landon's technical experience is in Bridge Load Ratings, design, and inspection. He routinely manages bridge and hydraulic projects.	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
04/20 – present	North Dakota Department of Transportation, North Dakota County Bridge Inspections. Project Manager, Inspection Team Leader. North Dakota Department of Transportation hired AECOM to perform inspections and load ratings (using AASHTOware BrR) on over 700 county bridges across the northwestern part of the state. The substructures were a mix of timber pile bents, reinforced concrete configurations, steel H-pile bents and masonry abutments. The superstructure types inspected/evaluated during this project included: steel I-beams, prestressed girders, trusses, RC channel beams, RC culverts, RC slabs, and steel pipe culverts.		
07/20 – present	MDOT, SR 3 Phase B Post-Tensioned Haunched I-girder Bridge Design (July 2020) and Phase C (ongoing). Project Manager. MDOT contracted AECOM to perform bridge engineering services for the Phase B Bridge Design for SR 3 Bridge No. 183.8 and Bridge No. 184.2 in Tate County. Per the Phase B contract, AECOM created construction plans for both structures. Per Phase C contract, AECOM provided Post tensioning inspection services for the haunched post-tensioned I-girder superstructure on Bridge 183.8 with a main span length of 250ft. Landon was the project manager for the projects.		
09/20 – present	MDOT SR 63 Bearings Inspection/Phase A (2020-2021) and Phase B (2022-2023). Project Manager. MDOT hired AECOM to provide in-depth inspection and conceptual design recommendations on the repairs or replacements for the bearings on SR 63 over Escatawpa River. The bridge consisted of steel fixed, steel movable, and neoprene bearings. After Phase A, AECOM was contracted to provide construction drawings for the rehabilitation and replacements of the bearings. Landon was project manager for both contracts.		
06/22 – present	MDOT, MS-178 over Byhalia Creek and Barrow Creek Phase-A Hydraulic Recommendations. Project Manager. MDOT retained consulting firms to perform Phase A bridge hydraulic recommendations. Landon is the Project Manager and assisted in the bridge layouts.		
08/17 – 08/23	Mississippi Office of State Aid, State Aid Complex Inspections. Project Manager, Inspection Team Leader. Mississippi Office of State Aid have hired AECOM to perform inspections and load ratings on over 300 county and urban bridges across the Northern part of the state. Landon manages the project as well as performing bridge inspection on the project. The substructures were a mix of timber piling, steel H-pile, and reinforced concrete piles. The superstructure types inspected/evaluated during this project included; steel I-beams, prestressed girders, trusses, RC channel beams, RC culverts, RC slabs, girders made from steel railroad cars, and steel military bridges.		
04/23 – 06/23	WisDOT, Michigan Street over Sturgeon Bay Routine/NSTM (Fracture Critical)/In-Depth Inspections, Inspector. Inspector. WisDOT hired AECOM to perform a Fracture Critical and Routine Element Inspection of the moveable truss bridge on Michigan Street over Sturgeon Bay. AECOM also performed an In-Depth inspection on the gusset plates. Landon served as a Bridge Inspector on the project and participated in rope access inspection of the bridge.		


07/23 – 08/23	KYTC William H. Natcher Bridge (US-231 over Ohio River) Fracture Critical, NBI, and Element Level Inspections. <i>Bridge Team Leader.</i> KYTC hired AECOM to perform Fracture Critical, NBI, and Element Level Inspections of the cable stayed bridge on US-231 over the Ohio River. Landon served as a bridge team leader on the project and inspected the fracture critical members on the bridge.
07/22 – 12/22	MDOT, I-110 over Biloxi Back Bay Movable Bridge In-Depth Inspection. <i>Project Manager and Inspection Team Leader.</i> MDOT hired AECOM to perform the in-depth inspection of I-110 over Biloxi Back Bay. This bridge includes a twin double leaf bascule main span. Landon was the project manager and an inspection team leader on the project and assisted with preparation of the report.
06/20 – 01/22	MDOT, I-20EB/I55NB Box Girder Rehabilitation Conceptual Design. <i>Project Manager.</i> MDOT hired AECOM to provide Phase A bridge conceptual plans for rehabilitation and replacement options for I-20 EB to I-55 NB. The bridge is a dapped end box girder bridge, and the rehabilitation options maintained one lane of travel during construction. Landon served as project manager on the contract.
06/20 – 01/22	MDOT I-20EB to I-55NB Box Girder Inspection and Analysis. <i>Project Manager and Inspector.</i> MDOT hired AECOM to perform a field inspection and load rating, including accessing the interior of the box girders and providing an in-depth inspection of the dapped end girder details, on this 17-Span, multi-celled box girder bridge. The load rating utilized CSIBridge and post processing hand calculations. Landon served as project manager and participated in the inspection of the girders.
01/16 – 07/22	MDOT, Scour Evaluations, Bridge Engineer. <i>Inspector.</i> MDOT hired AECOM to perform Scour Evaluations of I-59 over Tangipahoa River, and I-55 over Black Creek and Little Black Creek. Landon was responsible for the inspection of the substructure, as well as assisting in determining substructure penetration depths for future scour events. <ul style="list-style-type: none"> - I-55 over Tangipahoa River in Pike River County, MS - I-59 over Black Creek and Little Black Creek Lamar, MS - I-10 over Pascagoula River, Escatawpa River, and Black Creek
12/18 – 07/20	MDOT Seismic Guide. <i>Project Manager.</i> MDOT contracted AECOM to create a Seismic Design guide that provides step-by-step procedures for seismic design of a substructure. The guide is an interactive excel spreadsheet that interacts with CSIBridge to create a model of the bridge to perform a seismic analysis.
04/18 – 12/18	MDOT, Post-Tensioned Load Ratings. <i>Project Manager and Load Ratings Engineer.</i> MDOT hired AECOM to perform load ratings on 13 Post-tensioned bridges using CSIBridge software. The superstructure types were Box-Girder w/ post tensioning over the piers, I-girders w/ post tensioning, and haunched I-girders with post-tensioning. Landon served as Project Manager and as well as Load Ratings Engineer.


Firm		AECOM Technical Services, Inc.		
	Ed Zhou, PhD, PE		Years of Relevant Experience with this Employer	30
	Associate Vice President, Bridge Instrumentation and Evaluation Lead		Years of Relevant Experience with Other Employer(s)	9
Degree(s) / Years / Specialization		BS/1982/Civil Engineering; MS/1990/Civil Engineering; PhD/1994/Structural Engineering		
Active Registration Number / State / Expiration Date		21330/MD/09.02.24 Additional active license: DE, VA		
Year Registered		1995	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		<p>10. Bridge Design Services. <i>Ed has comprehensive knowledge and experience in multiple aspects throughout the bridge life cycle including structural analysis through finite element modeling, design, inspection, load rating, problem diagnosis, non-destructive evaluation (NDE), structural health monitoring, preservation, as well as repair, retrofit, rehabilitation, and replacement design of many types of bridge structures. He is an expert in fatigue and fracture of steel bridges and served as a past Chairman of ASCE Fatigue & Fracture Committee. Ed specializes in evaluation of existing bridges using a variety of instrumentation/testing/monitoring technologies and application of digital imaging and unmanned aircraft system (UAS) technologies for condition and deterioration assessment. He also has current experience in development of effective asset management tools to support bridge owners for data-driven decisions. Ed is an active member of TRB Committee AKB40 'Testing and Evaluation of Transportation Structures' and has played a key role in development of multiple national guidelines and standards: coauthor of TRB Circular E-C257 'Primer for Bridge Load Testing'; expert panel member of NCHRP Project 20-05 'Load Rating of Bridges and Culverts with Missing or Incomplete As-Built Information'; and co-PI of NCHRP Project 12-81 'Evaluation of Fatigue on the Serviceability of Highway Bridges.</i></p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
12/19 – 02/20	<p>CDOT, Live Load Test for Investigating Concrete Cracking of Pier 5 Straddle Beam of WB-WB Ramp Bridge over C-470 Express Lanes, Douglas County, CO. Technical Leader. Responsible for live load testing of reinforced concrete straddle beam (6'-6" wide by 9'-0" deep by 81'-0" long) of Pier 5 of the 9-span prestressed concrete girder structure with a total length of 1,156 ft. The testing was for investigating concrete cracking in the straddle beam discovered during construction before the bridge opened to regular traffic.</p>			
04/14 – present	<p>CTDOT, Two-Year Structural Monitoring of Extradosed/Cable-Stayed Pearl Harbor Memorial Bridge (I-95 over Quinnipiac River) of Post-Tensioned Segmental Concrete Box Girders, CT. Technical Leader. Responsible for the development and implementation of a two-year structural monitoring program for the extradosed/cable-stayed 3-span dual structures consisting of posttensioned segmental concrete box girders. Work scope includes: design of a comprehensive structural monitoring system (SMS) consisting of 252 sensors; development of a procurement package including instrumentation plans, performance specifications and qualification requirements; inspection and oversight during system installation by contractor; acceptance testing and commissioning of SMS; specification and oversight of live load and cable plucking tests at beginning, middle, and end of monitoring period; data collection, processing, management, analysis, interpretation and reporting throughout monitoring period; assessment of actual bridge behavior in comparison with analytical predictions by design models; establishment of normal behavior envelopes and anomalous behavior thresholds for sensor measurements; and recommendations to provide guidance for bridge maintenance, inspection, and load rating. Also included in this project is photogrammetric mapping of existing concrete cracks on interior of box girders and exterior of tower legs in 12 areas surrounding crackmeters at beginning, middle and end of two-year monitoring period.</p>			

11/20 – present	<p>VDOT, Route 360 Corridor Evaluation of 22 Structures, Fredericksburg District. <i>NDT Task Lead.</i> Responsible for development and quality assurance review on our program for assessment of the existing structure condition, including Infrared scanning for delamination detection, 3-dimensional ground penetrating radar for deck condition assessment, and digital image mapping for crack detection. Structures range in length up to 500 feet and include both concrete and steel superstructures. The analysis results supported our data-driven process for rehabilitation recommendations and budget prioritization.</p>
05/18 – 06/19	<p>CDOT, I-76 over Clear Creek Fatigue Study, Adams County (CDOT NPS Contract), CO. <i>Lead Instrumentation Engineer.</i> These bridges are highly skewed, multi-span, steel plate girder bridges that collectively have over 60 known distortion induced fatigue cracks due to a gap between the cross-frame stiffener and the bottom flange. The project included detailed inspections; instrumentation with strain gages and displacement transducers; full scale load testing; data collection and analysis; three-dimensional finite element analysis (FEA); and developing conceptual fatigue retrofit details. Field testing was used to calibrate the FEA to have an accurate tool to evaluate fatigue retrofit strategies. Adjustments to the model such as member properties and boundary conditions, allow the model to be refined to replicate the load test responses.</p>
07/18 – 09/20	<p>VDOT, Vibration Testing and Evaluation of External P-T Tendons in Segmental Concrete Box Girders of Cable-Stayed Varina-Enon Bridge (I-295 over James River). <i>Technical Leader.</i> Responsible for applying the taut cable vibration measurement (TCVM) method for condition evaluation of external post-tensioning (P-T) tendons inside segmental concrete box girders of the 28-span dual structures built in 1990 with concerns on steel strand corrosion inside the grouted PVC duct.</p>

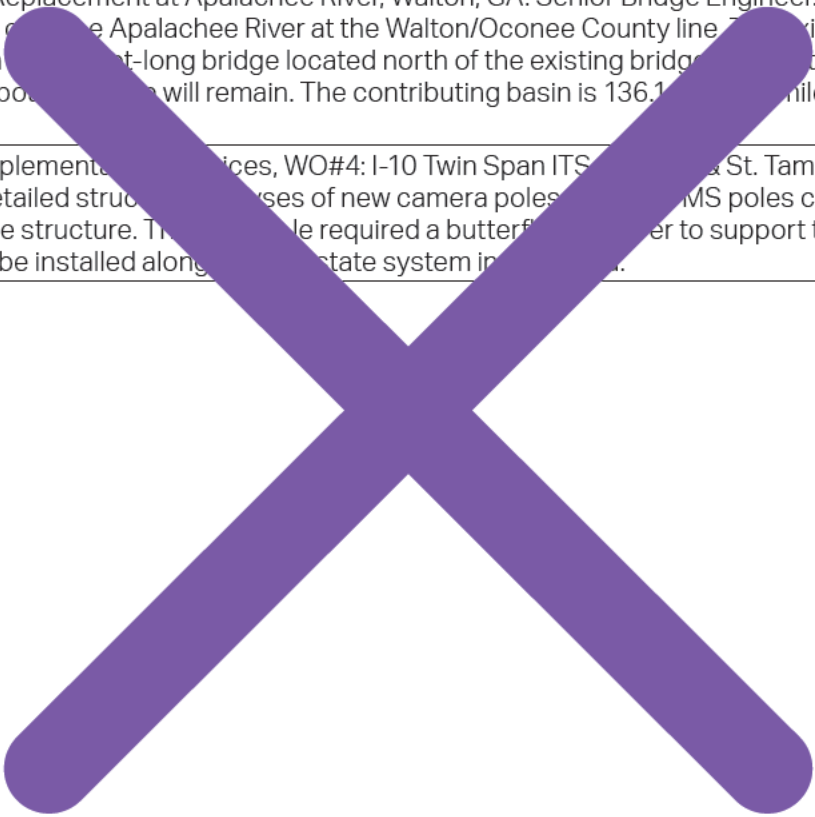
Firm		AECOM Technical Services, Inc.		
	Jason Zimpfer, PE Load Rating Technical Lead		Years of Relevant Experience with this Employer	14
			Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization		MS/2007/Structural Engineering; BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date		45922/LA/03.31.26 Additional active license: PE UT, PA, DE, TX, PR, NJ, CO, FL, MT		
Year Registered		2013 (LA)	Discipline	Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		<p>10. Bridge Design Services. Jason has 14 years of extensive and varied analysis, design, research, and bridge inspection experience. He has performed load rating analyses of more than 1,600 bridges and culverts in more than 15 states and is a certified bridge safety inspector. He has a decade of extensive experience with the AASHTOWare BrR software for a wide range of structure types. His analysis experience also includes coordinating load ratings of deficient structures, movable bridges, truss gusset plate analysis, complex structure analysis, and finite element modeling. He has been involved with long-span truss inspection, analysis, and rehabilitation, and has performed structural research at a graduate level. Training: ASCE Load Rating of Highway Bridges; Bridge Safety Inspector Training Course (NHI 130055) 2009; Bridge Safety Inspection Training Refresher Courses, 2011 through 2022, PA.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
02/23 – present	<p>LADOTD (Contract No. 44-21593, State Project No. H009859) IDIQ Contract for Bridge Load Rating Services, Task Order No.1. Task Manager. Subconsultant responsible for bridge superstructure and substructure load ratings using AASHTOWare BrR software and other approved LADOTD software applications. Task manager responsible for all AECOM deliverables. One bridge analysis has been submitted under this agreement, which includes 140 bridges throughout Louisiana.</p>			
01/18 – present	<p>Montana Department of Transportation (MDT), Load Rating Bridges Term Contracts 2018-2021 & 2021-2024. Task Leader. Responsible for quality, schedule, budget, technical aspects, and communication for load rating services for this statewide contract. The goal of this project is to provide load rating services on an as-needed basis for all of the state's legal loads. The work includes the analysis and rating of more than 800 bridges to date throughout the state. The bridges include steel truss-floorbeamstringer systems with gusset plate analysis, glue laminated timber, solid-sawn timber, reinforced concrete, prestressed concrete, multi-girder steel, corrugated metal pipe, and steel girder-floorbeam-stringer systems. AECOM used AASHTOWare Bridge Rating (BrR) software to analyze all structures that the program is capable of modeling, and Midas Civil for 3D FEM analysis, when required.</p>			
08/14 – 09/17	<p>LADOTD (Contract No. 44-2687 State Project No. H.009730.5) US-190 Krotz Springs Atchafalaya Bridge Bearing Repair, LA. Structural Engineer. Responsible for preliminary and final design of superstructure jacking and repair of the nested rocker bearings supporting the free end of a three-span, 1500 ft long cantilever through truss.</p>			
04/20 – 12/22	<p>NDDOT, Local Public Agency Bridge Inspection and Load Rating, Northwest Region. Technical Advisor. Load rating of 619 local agency bridges in northwest North Dakota. Bridge types include trusses, steel girder, prestressed concrete girder, R/C slabs, T-Beams, and timber. AASHTOWare BrR was used for the majority of the ratings. Substructures and truss bridge pins were rated, as needed, using in-house developed manual calculation and spreadsheet tools.</p>			


07/17 – 08/22	Mississippi Office of State Aid Road Construction, Bridge Load Rating, MS. <i>Structural Engineer and Technical Advisor.</i> Responsible for coordination, calculation checking, and quality control of load rating efforts for this assignment of more than 300 bridges over multiple contracts, using the AASHTOWare Bridge Rating (BrR) software, including steel, reinforced concrete, prestressed concrete, and timber superstructures, as well as timber pile substructures and timber decks. Field-noted deterioration is included in calculations and load rating models.
06/19 – 08/19	NASA/Kennedy Space Center: Indian River Bridge Derating Assessment Study, Kennedy Space Center, FL. <i>Task Leader.</i> Load rating analysis of twin double-leaf bascule span bridges carrying the NASA Causeway at Kennedy Space Center over the Indian River. Main bascule spans and steel girder approach spans were analyzed using the AASHTOWare Bridge Rating (BrR) software for NASA special transport vehicles and Florida legal vehicles. The analysis considered counterweight loads behind the trunnion, as well as modeling the effect of the live load anchor and center span lock.
05/12 – 12/18	Pennsylvania Department of Transportation - District 5-0, Load Rating Analysis, Carbon, Monroe, and Schuylkill Counties, PA. <i>Lead Structural Engineer.</i> Responsible for coordinating all load ratings performed on the contract (approximately 150). Load ratings are performed on deteriorated structures based on the NBIS inspections provided by AECOM. Responsible for regular client communication, reporting results to PennDOT, and posting and repair recommendations based on analysis results.
05/14 – 02/18	Montana Department of Transportation (MDT), Statewide Load Rating Term Contract, MT. <i>Lead Structural Engineer.</i> Responsible for coordination, calculation checking, and quality control of load rating efforts for this four-year assignment with approximately 150 bridges, using the AASHTOWare Bridge Rating (BrR) software, including steel, reinforced concrete, prestressed concrete, and timber superstructures. Task includes rating of steel trusses with gusset plate analysis, curved girder, and arch analyses.
11/15 – 05/17	Minnesota Department of Transportation (MnDOT), Bridge 62090 (High Bridge) Re-Deck Project, MN. <i>Structural Engineer.</i> Responsible for coordinating load rating efforts for 8 approach spans of this curved and splayed steel plate girder bridge using AASHTOWare Bridge Rating (BrR) software. Performed QC review of calculations and program inputs, coordinated repair recommendations associated with the redecking and strengthening of this steel tied-arch structure with curved plate girder approach spans.
01/15 – 08/15	Utah Department of Transportation, Load Rating Analysis, UT. <i>Structural Engineer.</i> Responsible for checking load rating calculations for more than 20 prestressed and reinforced concrete bridges and culverts using the AASHTOWare Bridge Rating (BrR) software. Assisted in the creation of Utah state load rating policy for bridges without available plans and responsible for implementing this policy in the several dozen bridge and culvert analyses.

Firm		Gresham Smith	
	Courtney Rome, PE		Years of Relevant Experience with this Employer
	Bridge Engineer		Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization	BS/2009/Civil Engineering		
Active Registration Number / State / Expiration Date	PE 43355/LA/09.30.2025		
Year Registered	2019	Discipline	PE Civil
Contract Role(s) / Brief Description of Responsibilities	10. Bridge Design Services (Inspection). As a bridge engineer, Courtney will support the bridge inspection, load rating, and repair plan tasks.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
06/19 – Ongoing	LADOTD, Complex Bridge Inspections, Statewide, LA. Engineer. As an NHI Certified Bridge Inspector, Courtney is performing bridge inspections for various complex bridge structures throughout Louisiana, including steel trusses, concrete structures and moveable bridges.		
07/19 – Ongoing	TDOT, Complex and Standard Bridge Load Ratings, Statewide, TN. Project Engineer. Courtney provided bridge load rating for approximately 141 complex structures and 137 standard structures across the state of Tennessee. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam – stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam-stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for center span bridges. The standard structures were analyzed using the AASHTOWare BrR software.		
06/21 – 08/21	FLDOT, Florida DEP, Florida Keys Overseas Heritage Trail Historic Bridge Evaluation, Marathon, FL. QA/QC. Florida DEP selected Gresham Smith to inspect and evaluate two historic bridges, the Seven Mile Bridge and the Bahia-Honda Historic Truss. Both structures are closed to traffic.		
11/17 – 01/18	TDOT, Off-System Underwater Bridge Inspections, Statewide, TN. QC Reviewer. Courtney provided quality control reviews for the inspection reports and graphics. The project included over 50 bridges throughout Tennessee		
11/17 – Ongoing	MDOT, SR 178 Benton County Bridge Replacements, MS. Engineer. Gresham Smith provided final design (Phase B) services for the replacement of two water crossings on parallel alignment. Both bridges include utilization of prestressed Florida I-Beams (FIB) to maximize span lengths while minimizing structure depths. Courtney performed the deck design and beam design services for a one-span (135-foot) and three-span (80- x 100- x 80-foot) structure and also completed the design of pipe piles for the pier bents.		
07/18 – Ongoing	MDOT, SR 149 Simpson County Bridge Replacements, MS. Engineer. Gresham Smith is partnering with MDOT for Phase B (Final Design) for the reconstruction of S.R. 149 near D'Lo, Simpson County, Mississippi. Courtney served as Engineer-of-Record for the two longer structures (Bridge 128.2 and Bridge 128.6). This is the first instance of partial depth deck panels utilized for MDOT as a pilot to verify the ease of construction and as an accelerated (ABC) time condition.		


Firm Gresham Smith		
 Tom Tran, PE (MPR 11) Senior Bridge Engineer	Years of Relevant Experience with this Employer	9
	Years of Relevant Experience with Other Employer(s)	22
Degree(s) / Years / Specialization	BS/1991/Civil Engineering	
Active Registration Number / State / Expiration Date	PE 32072/LA/03.31.2026	
Year Registered	2005	Discipline PE Civil
Contract Role(s) / Brief Description of Responsibilities	MPR 11. 10. Bridge Design Services (Inspection). As a senior bridge engineer, Tom will lead bridge-related QA/QC efforts.	
Experience Dates	Experience and qualifications relevant to the proposed contract.	
6/19 – 03/20	LADOTD, Complex Bridge Inspections, Statewide, LA. QA/QC. Task Order 3 - Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the LA1 Truss over Atchafalaya River at Simmesport, LA8 Segon Bridge over Red River at Bayou La Batre, and the US165 Vertical Lift Bridge over Red River. Gresham Smith was able to complete the inspection of Bridge 005860, in Jeanerette, a steel swing truss and Bridge 009130, in Charenton, a steel swing truss – within the original budget for the three bridges.	
04/20 – 9/20	LADOTD, Complex Bridge Inspections, Statewide, LA. Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA. QA/QC. In April 2020, a train derailment damaged the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to perform the bridge repairs to open the bridge. With the selected contractor, helical piles were designed to support the new column foundations and crash wall.	
07/20 - present	LADOTD, Complex Bridge Inspections, Statewide, LA. QA/QC. Task Order 3 - Retainer project for various bridge inspections. Completed hands-on inspection of fracture critical elements on several structures and coordinated the efforts of mechanical and electrical staff and served as EOR for projects including Bridge 006210 Vertical Lift Bridge at Loreauville, LA, Bridge 054360 Gross Tete Steel Swing Bridge and Bridge 009130 Indian Village Steel Swing Bridge in Iberville Parish. Due to cost savings on the initial 3 bridges in Task Order 2, we were able to complete the inspection of Bridge 009130, Bayside Bridge in Jeanerette, a steel swing bridge – within the original budget.	
6/14 – 03/17 With another firm	LADOTD, Complex Bridge Inspections, Statewide, LA. QA/QC. Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the Louisa Bascule Bridge in St. Mary's Parish. John served as EOR for inspection teams for the I-20 Mississippi River Bridge in Vicksburg and the LA 47 Bridge over the Mississippi River Crossing. The study was to determine the structural adequacy of the bridge with the addition of a center median.	
06/21 – 08/21	FLDOT, Florida Department of Transportation Keys Overseas Heritage Trail Historic Bridge Evaluation, Marathon, FL. QA/QC. Florida DEP selected Gresham Smith to inspect and evaluate two historic bridges, the Seven Mile Bridge and the Bahia-Honda Historic Truss. Both structures are closed to traffic.	
07/19 – present	TDOT, Complex Bridge Load Ratings, Statewide, TN. Senior Bridge Engineer. Complex structures were analyzed utilizing finite element methods and CSi Bridge software. The structures load rated consisted of curved steel tub girders, steel arches with steel cables supporting steel floor beam – stringer systems, deck trusses, bascule arched steel truss, steel girder-floor beam-stringer system bridges, steel rigid K-frame bridges, and reinforced concrete rigid k-frames with spliced prestressed girders for center span bridges. The standard structures were analyzed using the AASHTOWare BrR software. Tom provided quality control review for the complex arch structures.	

08/20 – present	GDOT, State Wide Engineering On-Call for Bridge Repair, Statewide, GA. Project Manager. This contract includes, Inspection, load rating and repair of problematic bridges thru out the state of Georgia. Typical scope includes inspection of bridge, verification of repair needed, development of repair plans, development of special provision, advertisement of project, review of shop drawings and post construction services as needed.
11/14 – 10/17	MDOT, MS-309 Bridge Replacements, Marshall County MS. Lead Bridge Engineer. Tom served as the EOR for this project. The design included replacing full timber structures with AASHTO beam structures supported by either concrete piles or pipe piles. Span lengths ranged from 41' to 140'. Structure arrangements varied from 3-span to 6-span structures. Work included Services During Construction, scheduled for completion Fall 2021.
11/13 – 10/14	MDOT, Roadway WA #4: US 82 Underpass Bridge Removal at Leland, Leland, MS. Lead Bridge Engineer. Gresham Smith was tasked with the US 82 Underpass Bridge Removal projects to provide a feasibility study and engineering design services as required to prepare Phase A (preliminary design) plans for removal of an abandoned railroad under-pass bridge and reconstruction of approximately 1,000 linear feet of US 82 near the Old Hwy. intersection in Leland.
08/07 – 01/12	GDOT, SR 10/US 78 Bridge Replacement at Apalachee River, Walton, GA. Senior Bridge Engineer. This project consists of replacing the existing SR 10/US 78 bridge on the Apalachee River at the Walton/Oconee County line. The existing 418-foot-long historic westbound bridge is to be replaced with a 397-foot-long bridge located north of the existing bridge. The historic bridge will remain in place. The existing 397-foot-long east bound bridge will remain. The contributing basin is 136.1 square miles. The existing bridge has a studied flood plain and floodway.
01/13 – 06/14	LADOTD, ITS Design and Implementation Services, WO#4: I-10 Twin Span ITS Enclosure at St. Tammany Parishes, Statewide, LA. Structures Design Lead. Tom led the detailed structural analyses of new camera poles. The MS poles could be installed on the existing foundations within the bridge structure. This pole required a butterfly member to support the new front access LED DMS enclosure. This was the first of each to be installed along the state system in Louisiana.




Firm Gresham Smith		 John Weres, PE (MPR 11) Senior Bridge Engineer		Years of Relevant Experience with this Employer	6
				Years of Relevant Experience with Other Employer(s)	37
Degree(s) / Years / Specialization		BS/1980/Civil Engineering			
Active Registration Number / State / Expiration Date		PE 36429/LA/03.31.2025			
Year Registered		2011 (LA) / 1985 (PA)	Discipline	PE Civil	
Contract Role(s) / Brief Description of Responsibilities		MPR 11. 10. Bridge Design Services (Inspection). As a bridge engineer, John will oversee design of bridge structures. His 40+-year career includes diverse structure related activities including inspection, alternatives analysis, final design and construction management and program management. Experience includes multi-level interchanges, complex geometry, truss rehabilitations and suspension bridge rehabilitations, phased construction, deep foundations, complex pier geometries and movable bridge inspection and design. John served as Team Leader on several LA DOTD contracts for bridge inspections and as Project Manager for underwater bridge inspections for TDOT. NHI Certified 1st Class Team Leader, 130078 (Fracture Critical Steel), and 135048 (Performance Measure Design). Also, FAA Part 107 (drone) licensed pilot.			
Experience Dates	Experience and qualifications relevant to the proposed contract				
04/12 – 11/12	PennDOT District 12-0, Keystone Lake Bridge Emergency Replacement, Westmoreland County, PA. Project Manager. John served as project manager for the \$1.2 million emergency replacement utilizing design/build concepts for an 80' concrete box structure. Following an emergency closing of the bridge, PennDOT selected John's firm to perform the emergency design based on a history of quick resolutions. The design was coordinated with the contractor hired to perform the emergency replacement, therefore, design-build principals were utilized and the design was based on readily available precast concrete beams. The design was coordinated with the state park personnel to reduce impacts on the park. Environmental concerns included the relocation of mussels at the bridge site and the construction equipment utilized mineral oil and diesel fuel for the pile driving equipment to avoid overspray into Keystone Lake. Form liners and stained concrete were used to meet text sensitive design requirements.				
01/09 – 12/11	PennDOT District 1-0, Cooperstown Bridge Replacement, Project Manager. \$2.2 million offline replacement of a 2-span, 135' concrete box structure founded on steel pile foundations. John served as project manager for the preliminary and final design phases. An extensive public communications process was coordinated with the contractor during analysis to determine the preferred location of the new structure and to maintain traffic on the existing structure during construction. Coordination with the PA Fish & Boat Commission was conducted to install a new parking lot for the bridge within the footprint of the existing bridge approach roadway.				
06/11 - 12/13	PennDOT District 10-0, School Bridge. Project Manager. John served as project manager for this \$3 million project that included design of a 220' structure replacement project using phased construction. The bridge carried US 22 on four lanes of heavily traveled roadway. The structure was replaced in phases to maintain traffic flow.				
01/12 – 01/14	North Carolina Division 9 Group J Bridge Replacements. Lead Structure Engineer. John served as lead structure engineer for the replacement of six stream crossing structures using NCDOT Low Impact Bridge Replacement guidelines for Sub-Regional Tier structures. Plan development for final design includes one, two, and three-span structures utilizing standard cored-slab design plans. Span arrangement development required coordination with hydrology evaluation and environmental agency oversight. Foundation details include both drilled shafts and driven steel piles.				


6/19 – 03/20	LADOTD, Complex Bridge Inspections, Statewide, LA. Project Manager. Task Order 1 - Retainer project for various bridge inspections of major river crossings. Completed hands-on inspection of fracture critical elements on several structures including the LA1 Truss over Atchafalaya River at Simmesport, LA8 Segmental Bridge over Red River at Boyce and the US165 Vertical Lift Bridge over Red River. Gresham Smith was able to complete the inspection of Bridge 005860, in Jeanerette, a steel swing truss and Bridge 009130, in Charenton, a steel swing truss – within the original budget for the initial three bridges.
04/20 – 9/20	LADOTD, Complex Bridge Inspections, Statewide, LA. Task Order 2 - Emergency Bridge Repairs, US 71 in Downtown Shreveport, LA Project Manager. In April 2020, a train derailment damaged Bent 3 of the Spring Street Bridge forcing the roadway closure. Gresham Smith was selected to perform the bridge repairs to open the bridge. Working with the selected contractor, helical piles were designed to support the new column foundations and crash wall. John served as the design coordinator and facilitated the repairs.
07/20 - Ongoing	LADOTD, Complex Bridge Inspections, Statewide, LA. Project Manager. Task Order 3 - Retainer project for various movable bridge inspections. Completed hands-on inspection of fracture critical elements on several structures and coordinated the efforts of mechanical and electrical engineers and served as EOR for the reports including the Bridge 00000 Vertical Lift Bridge at Loreauville, LA, Bridge 054360 Gross Tete Steel Arch Bridge and Bridge 054472 Indian Village Steel Arch Bridge in Iberville Parish. Due to cost savings on the initial 3 bridges in Task Order 3, we were able to complete the inspection of Bridge 06306, Bayside Bridge in Jeanerette, a steel swing bridge – within the original budget.
03/21 – Ongoing	MDOT, SR 149 Simpson Bridge Replacements, MS. Lead Structure Engineer. Gresham Smith is partnering with MDOT for Phase B (Final Design) for the reconstruction of S.R. 149 near D'Leone in Madison County, Mississippi. Gresham Smith is designing the two longer structures (Bridge 128.2 and Bridge 128.6). This is the first use of partial depth deck panels utilized for MDOT as a pilot to verify the ease of construction and as an accelerated (ABC) time reduction.
11/17 – 12/20	MDOT, MS-178 Benton County Bridge Replacement, Benton County, MS. Lead Structure Engineer. John served as the Lead Design Engineer for the final design of a 2-cell box culvert and two precast concrete girder structures in northern Mississippi. These water crossings improved the hydraulic conditions at the crossings and incorporated low-maintenance details such as jointless bridges.
07/19 – Ongoing	TDOT, Complex Bridge Load Ratings, Statewide, LA. Senior Structural. Gresham Smith load rated 23 continuous and curved steel tub girders and two steel arch bridges with a floor beam support system suspended from the arches by steel cables supporting a floor beam-stringer deck support system for WO#5. Based on the performance of WO #5, we were entrusted with a second work order, WO11-System Bridges and WO12-Off System Bridges, to load rate a total of 41 steel tub bridges within a 2-3-month time frame to help the State meet a critical FHWA Deadline.

Firm Marrero, Couvillon & Associates, LLC			
	Christian Schade, PE Senior Electrical Engineer	Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	24
Degree(s) / Years / Specialization		BS / 1993 / Electrical Engineering	
Active Registration Number / State / Expiration Date		PE.32483 / LA / 9/30/2024	
Year Registered		2006	Discipline Electrical Engineering
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design Services (Electrical). <i>Christian's expertise include electrical engineering, power distribution, power generation, lighting, specification writing and contract administration. His experience includes Power system analysis, consisting of load flow, fault, arc flash and coordination studies using SKM Power Tools for Windows and ETAP. Proficient with incident energy level method of Arc Flash calculations per NFPA 70E, 2015 version</i>	

Experience Dates	Experience and qualifications relevant to the proposed contract.
07/17 – 11/20	I-10 and 73 – Design Build – Electrical Engineer - Provide electrical engineering and design for lighting on the I-10 Widening from Highland to LA 30 design-build project.
04/18 – 02/20	Port of New Orleans - France Road – North, Roadway and Drainage Improvements – Electrical Engineer - MCA provided the electrical and mechanical engineering services for the roadway, lighting, and drainage improvements.
11/16 – 6/17	Louis Armstrong New Orleans Airport International Airport Pavement Remediation at Eastern Side of Runway 11-29, Kenner, Louisiana – Electrical Engineer - Electrical design services for Pavement Remediation of sag in existing runway pavement on the eastern side of Runway 11-29 near Taxiway Alpha at the airport.
04/18 – 02/19	City of New Orleans - Howard Avenue Extension (Loyola Avenue to LaSalle Street) New Orleans, LA – Sr. Electrical Engineer - Marrero, Couvillon & Associates is responsible for the Electrical Services for the Howard Avenue Extension. Work includes revising roadway lighting from high pressure sodium lights to LED lights per new City of New Orleans Standards. Revisions include changing light fixtures, downsizing electrical conductors and revising drawings including bill of materials. Performing lighting calculations and following illumination guidelines per the latest IES roadway lighting recommended practices issued in 2014.
01/20-06/20	Bluebonnet Blvd. (Picardy to Highland) Roadway Lighting, Baton Rouge, Louisiana- The scope of work includes additional lane capacity in each direction. Bluebonnet Blvd is two lanes in each direction currently. Pedestrian facilities are interspersed throughout the corridor and there is commercial development abutting the corridor. The project is to add an additional travel lane in each direction and provide for connected pedestrian facilities throughout the corridor. MCA is responsible for all activities necessary to complete a lighting plan and a photometric analysis report that contains illumination analysis of all roadways and/or interchanges within the project limits and conform to illumination criteria specified in the design guidelines are included in this scope.
09/23-On-going	DOTD – I-20 Widening, Wells to LA34 – Electrical and Lighting Design: The scope of work is to provide additional traffic capacity in each direction. This was accomplished primarily by increasing the entrance/exit ramps. MCA provided design services to analyze the existing conditions of the roadway lighting, which consisted of high pressure sodium fixtures on low mast poles, and provide modifications to the existing lighting systems as necessary to accommodate the changes in roadway geometry. This includes upgrading the existing fixtures to LED, re-position select poles, and upgrading the secondary controllers to current standards.
9/2023-Ongoing	DOTD – I-10 and Pecue Lane - Lighting design along Pecue Lane from the control of access points north and south of the roadway. Currently, there is no access to I-10 from Pecue Lane and the existing Pecue Lane consists of 2 traffic lanes. The existing overpass will be removed and replaced with two overpass structures, with 3 lanes in each direction. Cost: \$36M

Firm		Marrero, Couvillon & Associates, LLC		
	M. Kimball Schlafly, PE Senior Electrical Engineer		Years of Relevant Experience with this Employer	5
			Years of Relevant Experience with Other Employer(s)	36
Degree(s) / Years / Specialization		BS / 1988 / Electrical Engineering		
Active Registration Number / State / Expiration Date		PE.27699 / LA / 9/30/2024		
Year Registered		2006	Discipline	Electrical Engineering
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design Services (Electrical). Kimball has over 31 years of engineering experience in electrical engineering, project engineering and project management. He has been responsible for various projects requiring design of lighting, low and medium voltage power distribution, standby and emergency power systems, telecommunications, fire alarm, access control, video surveillance, and theatrical audio/visual and lighting systems.		

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


Firm		Vectura Consulting Services, LLC		
	Ronald St. Angelo		Years of Relevant Experience with this Employer	1
	Senior Technician		Years of Relevant Experience with Other Employer(s)	48
Degree(s) / Years / Specialization		High School Diploma / 1975		
Active Registration Number / State / Expiration Date		NA		
Year Registered		NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design (Electrical Road Lighting); 12. Construction Support Services; 13. Other Services (ITS). <i>Ronald is a Senior-level Construction Specialist for traffic signals, lighting, and ITS.</i>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
02/03 – 04/23	Jack B Harper Electrical, LLC, Walker, LA. Ronnie specialized in programming traffic signal controls / ITS equipment and troubleshooting construction issues in the field such as utility conflicts and traffic signal issues. He was a project manager for numerous traffic signal related projects and oversaw a team of field technicians for signal related construction projects. He was an estimator for bidding traffic signal / ITS equipment projects. Ronnie worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal / ITS projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, Ronnie worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Ronnie read and interpreted construction plans to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. He also assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.			
07/75 – 01/03	East Baton Rouge Traffic Engineering Division. Ronnie was a certified IMSA Level 1 & 2 Technician while employed at the City of Baton Rouge. Ronnie performed numerous construction tasks in relation to traffic signals within East Baton Rouge Parish. Construction included traffic signal poles, signal heads, signal wiring, vehicle detection, traffic signal controller / cabinet power service. In the earlier part of his career, the traffic signal controllers consisted of mechanical parts. As time progressed, the controller evolved to steady-state technology. In addition, Ronnie performed traffic signal tasks related to maintenance after damage from collisions or extreme weather. While employed in the city, Ronnie was tasked with maintaining over 300 signals that included DOTD intersections. Ronnie started his career at the City of Baton Rouge as a Technician, then Traffic Signal Technician, then Foreman and finally a supervisor. Ronnie was also responsible for programming traffic signal controllers while at the City.			

Firm	Vectura Consulting Services, LLC		
David Watkins Inspector	Years of Relevant Experience with this Employer		1
	Years of Relevant Experience with Other Employer(s)		35
Degree(s) / Years / Specialization	High School Diploma / 1978		
Active Registration Number / State / Expiration Date	NA		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	12. Construction Support Services. <i>David is a Senior-level Construction Specialist for traffic signals, lighting, and ITS.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
06/23 - Current	H.011507.1 Monroe Phase 3 SEA David visited the project site to document the controller type and detection needs at each signalized intersection within the right-of-way.
11/06 – 02/23	Jack B Harper Electrical, LLC, Walker, LA. David worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, David worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Read and interpreted blueprints to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. He also assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.
03/01 – 10/06	Dave's Electric, Denham Springs, LA. David conducted electrical work on numerous residential and commercial job assignments. He was responsible for installing all wiring and electrical components as directed by site blueprints; installed all circuits and electrical items during multi-phasal construction projects (i.e rough-in; trim-out); conducted final walk-through inspection; completed punch list items as required. David was also assigned as site lead during most job assignments.
01/96 – 04/01	Diamond Electric Company, Inc., Baton Rouge, LA. David performed duties as a Traffic Signal Technician Level I that included technical work in the construction, installation, maintenance, and repair of traffic signal systems. David also developed the ability to read and interpret blueprints during this time. Maintained electrical experience while working on roadways requiring traffic control. David also performed technical tasks to maintain and install all traffic signals, signal systems, signs, and associated traffic equipment. He delivered and set-up barricades for work zones, detours, and other areas in need of barricades; assisted with traffic control as needed. David performed related technical tasks; worked with contractors on the installation and relocation of traffic signals and components.

11. Plan Development and Letting Support Services

(See Section 14)

Firm AECOM Technical Services, Inc.	
 Kent Dussom, PE, DBIA Alternative Procurement Manager	Years of Relevant Experience with this Employer 30
	Years of Relevant Experience with Other Employer(s) 9
Degree(s) / Years / Specialization	BS/1985/Civil Engineering; MS/1988/Civil Engineering
Active Registration Number / State / Expiration Date	23633/LA03.31.26 Other active licent: AR, MS, TX, MD
Year Registered	1990
Discipline	Civil Engineer
Contract Role(s) / Brief Description / Responsibilities	1. Alternative Delivery Technical Services; 11. Planning, Development and Letting Support Services. Kent brings a broad view of the planning, design, and construction process. His work includes familiarity with roads, bridges, railways, transit, airports and ports. His procurement experience includes project planning and studies, environmental evaluations (including field work), as well as preparation of NEPA documents, topographic surveys, engineering design, title work and property surveys, development of right-of-way maps, utility coordination, acquisition services, relocation services, and construction management.
Experience Dates	Experience and qualifications relevant to the proposed contract
05/10 – 05/15	LADOTD (SP No. 700-99-049) for Contract for Design-Build. Technical Advisor. AECOM was selected to provide as needed design-build procurement services for LADOTD. Under #1 (SP# 701-65-1478, 2010) AECOM was granted the first task order to assist the LADOTD with the evaluation and recommendations for improvement to the design-build procurement documents. Kent led a task force composed of contractors, LADOTD, FHWA and public representatives to discuss the current design-build procurement documents and process and make recommendations for improvements. Recommendations have been made and accepted by the LADOTD Executive Committee. AECOM prepared a review package for the executive committee to present to the Legislature. Task Order #2 (SP# H.00) was awarded to AECOM. Kent provided technical advisory services for a DB Procurement of LA 318 at US 90 Interchange, a \$60 million improvement project. The project was successfully bid in May 2015.
12/11 – 06/12	MDOT Airport Parkway Technical Advisor for Procurement of Public-Private Partnership Solicitation, Jackson, MS. Administrative Project Manager. MDOT approved and moved forward with alternative funding for this high priority project. The Airport Parkway represents the latest "first" that MDOT is testing using a solicited Public-Private Partnership to design, build, finance, operate and maintain this 12-mile controlled access roadway from downtown Jackson to a new interchange located west of downtown. Kent was the Administrative Project Manager for the Traffic and Revenue Consulting Services which was provided for this project and was Deputy Project Manager for the Engineering Technical Advisory Services which was being provided on a separate contract. In both projects, Kent coordinated the delivery of project deliverables to the entire project team that included a financial consultant and a legal consultant. This project had an estimated value of \$350 million.
07/13 – present	LaGuardia Redevelopment Program, Port Authority of New York and New Jersey P3. Technical Advisor. Kent provides technical advisory services for the public-private procurement of the reconstruction of the Central Terminal Building and other facilities as part of the LaGuardia Redevelopment Program. Kent led the development the technical requirements (performance specifications) for the P3 procurement documents, including construction, operations, and maintenance, provided procurement support services during project closing, and is leading the technical team overseeing the implementation of the LGA Redevelopment Project. This overall project has an estimate value of \$5.3 billion. Kent also authored the Requirement and Provisions for Work (performance specifications) for construction, operations, and maintenance of the proposed Delta Terminal Reconfiguration at LGA estimated at over \$4 billion (project construction). He is assisting with the implementation of this project as an Owner's Representative.

01/06 – 07/15	<p>MDOT Design-Build Program and Construction Management Services, Various Locations. Technical Advisor. MDOT called on AECOM to assist with the very first large DB projects in Mississippi, by providing engineering consulting services, preparing the DB procurement documents, and developing the DB project specifications for the US 90 Bridges over the St. Louis Bay and Biloxi Bay. Working together, the first bridge procurement was completed in February 2006, less than 6 months following the hurricane. AECOM was also selected to provide the overall program management, including design reviews and construction QA for both bridges. AECOM coordinated all design reviews for all aspects of the projects including bridge design, roadway design, geotechnical design, traffic signals, etc. AECOM also provided monthly progress updates and participated in the project partnering meetings. As DB projects, the bridges were on a very tight schedule that provided for opening of the initial two lanes of the Bay St. Louis Bridge by May 2007, and the initial two lanes of the Biloxi Bridge by Nov 2007. AECOM worked collaboratively with both the owner, MDOT/Federal Highway Administration (FHWA) and the D-B teams so that each D-B was able to beat their schedule deadline and each earned a \$5 million bonus for early completion. In addition, the US 90 bridge projects have won several awards, including:</p> <ul style="list-style-type: none"> - MDOT was named Owner of the Year by the DBIA for their innovative use of DB for infrastructure recovery. - AECOM and MDOT were named the recipient of the Construction Management Association of America (CMAA) Program Management Project of the Year for Large Infrastructure Projects due to the unique overall success of the project and the program management provided by AECOM. At the end of Section H, please see the attached letter from MDOT Executive Director Larry L. "Butch" Brown regarding this award. - The US 90 Bridge in Bay St. Louis was named the AASHTO National People's Choice Award at the recent AASHTO meeting in Hartford, Connecticut based on voting by the public around the nation to name America's favorite project. Please see attached new release from AASHTO. - The Biloxi Bay Bridge was distinguished by the American Excellence for Project Management in the FHWA Biennial Awards recognizing 2008 Excellence in Highway Design (please see attached excerpt the publication). <p>Since the development and implementation of the two initial DB projects, AECOM has assisted MDOT with every other DB project they have issued since, that range from \$10 million to \$200 million including:</p> <ul style="list-style-type: none"> - US 90 St. Louis Bay Bridge Replacement, Harrison Counties. Remove old bridge destroyed by Hurricane Katrina and build replacement bridge - Bridge Replacement on US 90 Biloxi Bay, Jackson and Harrison Counties. Remove old bridge destroyed by Hurricane Katrina and build replacement bridge - I-59 Bridge Widening, Pearl River County. Widen up to seven lanes to provide shoulders on I-59 - Extension of I-59/I-20 merge lanes and I-20 Bridge Widening, Pearl River and Newton Counties. Extend merge lane at I-59/ I-20 and widen up to seven lanes on I-20 - I-55 Bridge Widening, Lincoln County, Widen up to seven Interstates - SR 9 Construction, Itawamba County. Realignment of 10 miles of roadway and bridge - I-55 Bridge Widening, Lincoln and Copiah County. Widen up to seven Interstates - I-269 Construction, Marshall County. New construction of 4 miles of roadway and top-down bridge construction
01/15 – 06/15	<p>PennDOT Rapid Bridge Replacement Program. Technical Advisor. The Rapid Bridge Replacement Program (Program) is a \$899 million public private partnership to replace 558 structurally deficient bridges throughout the state of Pennsylvania. PennDOT selected Plenary Walsh Keystone Partners for the Program that includes maintenance of the replaced bridges for the next 25 years. AECOM was selected by PennDOT as the Program Manager for the Program and is providing program management, and related services for contract administration, materials management, environmental compliance management, and maintenance management. Kent was responsible for the Program Management and Business Plan which guides execution of the activities and coordination with other stakeholders. The PMBP has 16 Appendices defining everything from Stakeholder Involvement, Governance, Monitoring and Oversight.</p>


 Firm AECOM Technical Services, Inc.		
Charlie Stein, PE, DBIA Civil Senior Manager		
Years of Relevant Experience with this Employer		8
Years of Relevant Experience with Other Employer(s)		15
Degree(s) / Years / Specialization	BS/2001/Civil Engineering	
Active Registration Number / State / Expiration Date	6.201053702E9/MI/09.01.24 Additional active license: Design-Build Professional (DBIA)	
Year Registered	2006	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities	1. Alternative Delivery; 2. Project Management and Support; 11. Plan Development and Letting Support services. Charlie brings more than 23 years of diverse experience that ranges from project level scoping, program management and bridge inspections to the planning and delivery of projects. He previously served as the Director of the Innovative Contracting Unit at the Michigan Department of Transportation (MDOT). In this role, he was responsible for overseeing contract procurements for alternative delivery projects, including design-build, construction manager/general contractor (CMGC), alternative technical concepts (ATCs), fixed price - variable fee (FPVS), and public-private partnership (P3) projects. He also managed or has been a key resource for the design and delivery of MDOT's innovative projects and program. During his career, he managed MDOT's first private partnership project (15 year contract) to improve the freeway lighting in the Detroit area; delivered MDOT's first design-build project using a CMGC procurement; and helped to deliver MDOT's first diverging diamond interchange using a design-build procurement.	
Experience Dates	Experience and qualifications relevant to the contract.	
01/16 – present	MDOT, US-31/I-94; Design-Build Procurement, Design Assistance During Construction (DADC), Benton Harbor, MI. Project Manager. Development of design-build procurement documents to reconstruct I-94 from approximately Napier Road north to I-196; reconstruction and realignment of I-94 through Urban Road to the new US-31 interchange; new route construction of US-31 from Napier Road to the new US-31/I-94 Interchange. The project includes the construction of new bridges and one rehabilitation. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, environmental coordination, and utility coordination. DADC delivery is beginning but will include schedule reviews, cost estimates, submittal management and coordination between the Design-Build and construction cost is expected to be approximately \$135 million.	
05/20 – 05/22	I-496; Design-Build Procurement, Lansing, MI. Project Manager. Development of design-build procurement documents to reconstruct and realign I-496 from approximately Lansing Road easterly to the Grand River. The project includes the addition of weave/merge lanes, rehabilitation and preventive maintenance on 15 bridges throughout the corridor, drainage reconstruction, signing, pavement markings, and freeway lighting. Procurement services included preliminary design, drafting the RFQ and RFP language, technical reviews, risk assessment, environmental coordination, and utility coordination. The construction cost is approximately \$80 million.	
01/16 – present	MDOT Innovative Contracting, I-75 & M-46 Design-Build, Saginaw, MI. Lead QA/QC. Procurement and DADC services for the reconstruction and widening of I-75 from Hess Road to I-675 using design build delivery. The project includes a new double roundabout interchange at M-46 and elevating a 2000-foot stretch of I-75 to allow the removal of a pump station. AECOM services included preliminary road and bridge design, geotechnical services, RFQ & RFP development, cost estimating, risk assessment, scheduling, facilitating meetings and coordination with utilities.	

06/16 – present	<p>I-75 from M-102 to 13 Mile Road (Segment 3) Design-Build-Finance-Maintain, MI. Lead QA/QC. AECOM is leading the design efforts of a public-private-partnership to reconstruct and widen the I-75 corridor from M-102 to 13 Mile Road in southern Oakland County. AECOM is financing, designing and overseeing the reconstruction of the freeway, bridges, retaining walls, interchanges, ITS, freeway lighting, traffic signals, landscaping, water main and sanitary sewer relocation, and a new four-mile long storm water management tunnel. The project includes a reconfigured interchange at 12 Mile Road as a DDI and the corresponding IACR.</p>
08/16 – 04/17	<p>MLK Boulevard over M-10 Design-Build, Detroit, MI. Project Manager. Development of design-build procurement documents to replace and widen the MLK bridge over M-10. The project also included the reconstruction and widening of M-10 and the off-ramp to M-5, removal and replacement of retaining walls, resurfacing of M-5 and the addition of bike lanes, utility relocation, lighting and landscaping. Procurement services included preliminary design, drafting the RFP and RFP language, technical reviews, risk assessment, utility coordination, surveying and geotechnical borings. DADC delivery included design submittal reviews, cost estimates, submittal management and coordination between the Design-Builder, the City of Detroit, the Detroit Lakes Water Authority, the CE consultant and other sub-consultants. The construction cost of this project was \$13 million.</p>
10/14 – 12/18	<p>US-2 from Wisconsin to East of M-95 North Junction Design-Build, Iron Mountain, WI. Project Manager. Provided procurement and DADC services for the design-build project to reconstruct US-2 near Iron Mountain, including elimination of boulevard section, intersection reconstruction, roadway realignment, traffic signal modernization, and drainage improvements. AECOM services include design submittal review, estimating, change order management, submittal management and coordination between the Design-Builder and MDOT. The construction cost for this project was \$10 million.</p>
01/14 – 12/15	<p>Metro Region Freeway Lighting P3, Detroit, MI. Project Manager. Developed contract language and terms to procure Michigan's first public-private partnership contract. Led the improvement of 15,000 lights which were operating at level of approximately 65%. Charlie provided oversight on preliminary feasibility of the project and overall market sounding. Developed solicitation documents, determined due diligence requirements, and evaluation criteria. Evaluated cost scenarios using an Availability Payment structure to right size the project to meet budgetary goals of the Department. The contract term was 15 years. Reviewed project management, construction, operation and maintenance plans submitted by the Developer. The construction cost for this project was \$124 million.</p>
01/11 – 03/12	<p>I-96 under M-50, Construction Management (General Contracting) (CMGC) Procurement, Kent County, MI. MDOT Project Manager. Responsible for developing the preliminary contractual provisions to utilize a CMGC procurement and price negotiations with the CMGC to reconstruct the northbound and southbound US-131 bridge over M-50 at 13 Mile Road. This project utilized a CMGC procurement method due to the Bridge Slide, which included developing a RFQ and application for IAWA approval (SEP-14). The project was a reconstruction of 0.12 miles along M-50, including lateral slide temporary works, reconstruction and widen the bridge over I-96, reconstruct bridge approach, resurface three interchanges, reconstruct the eastbound off-ramp, and extend the deceleration lane. A robust media campaign was developed to promote the innovative idea. Stakeholder engagement was critical to address any concerns and to incorporate any requirements needed for emergency services due to the detour route that was in place over the 5 day period. The construction cost of this project was \$10 million.</p>


12. Construction Support Services

(See Section 14)


16. Staff Experience

		Firm AECOM Technical Services, Inc.
Jonathan McDowell, PE (MPR 1, 2 & 3) Associate Vice President		Years of Relevant Experience with this Employer 21 Years of Relevant Experience with Other Employer(s) 6
Degree(s) / Years / Specialization	BS/1996/Civil Engineering	
Active Registration Number / State / Expiration	PE.0030508/LA/03.31.2025 Additional active license: PE: MS, AR; ATSSA Traffic Control Supervisor – LA State Specific (2023/Exp. 2027); LADOTD Traffic Process and Report Parts 1, 2 and 3; FHWA-NHI-142005 NEPA and Transportation Decision-Making (2011); AASHTO Highway Safety (2013)	
Year Registered		Discipline Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	1 & 3. Principal-in-Charge; Project Manager; 5. Traffic Engineering and Design Services – Plan Development; 12. Construction Support and Other Services (Bike/Ped/Complete Streets). 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 studies, NEPA and EISs, line and grade alternatives development for new roadways and improvements, and construction contract administration, and construction engineering and inspection for highway infrastructure projects. Design projects have included interstate highways, urban and rural roadways, railroad crossings, railroads, drainage canals and culverts, and intermodal yard and port security improvements. With his experience, he has the understanding of the project delivery process required to bring a transportation project from an idea to a built reality.	
Experience Dates	Experience and qualifications relevant to proposed project.	
03/23 – present	LADOTD, LA 561 Boeuf River Bridge Replacement (SOS# 01970.1), Hebert, Caldwell, and Richland, Parishes, LA. Road Design Task Leader. Replacement of a 700-foot long truss bridge with a new prestressed concrete girder bridge. Tasks included the development of the horizontal and vertical alignments for the bridge replacement, the existing alignment while updating the typical section of the road to current standards and conditions to the adjacent gravel lot on Womack Road, that serves four residences along the Boeuf River.	
10/21 – present	Louisiana Intermodal Terminal Preliminary Design, Port of New Orleans, Violet, LA. Deputy Project Manager and Project Engineer. Preliminary design of an intermodal container yard facility along the Mississippi River near Violet, Louisiana. Developed conceptual design for the relocation of St Bernard Highway (LA 46), improvements along Perez Drive (LA 39), and the access interchange and the new port access road to the terminal gate. Developed conceptual layout of the container terminal internal road plans and developed the geometric design of the wharf ramps. Developed the conceptual design for the relocation of the mainline Norfolk Southern railroad and the yard lead tracks, intermodal railroad yard tracks, and support yard tracks. Managed team of engineers and support staff to deliver 30% Plans for two highway improvements packages and the rail relocation and new industrial yard tracks package. Leading the permitting process for DOTD and Railroad ROW permits. Developed yard layout, circulation and access points.	
10/20 – present	City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Rouge, LA. Project Manager and Task Manager. Urban Road Design and Complete Streets improvements to College Drive. The project includes a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.	


09/17 – present	<p>Coastal Restoration and Protection Authority of the State of Louisiana, Mid Barataria Sediment Diversion, (SP No. BA-0153), Plaquemines Parish, LA. <i>Task Manager and Lead Engineer.</i> Relocation of LA 23 and the NOGC Railroad across the proposed sediment diversion. Also responsible for the design of service roads along LA 23 and railyard layout that the contractor will use for site deliveries. Provided QC review for the traffic report and participation in the environmental and public involvement tasks. AECOM is the lead design development team for the \$1.5 billion CMAR project. The rail improvements provide for the extension of track across the diversion channel intake structure which would feature a moveable span for canal maintenance and approximately 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 have accommodations for up to two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and new roadways to connect the existing highway to the new bridge structure. Tasks include road design, drainage, signing, and MOT. Currently leading construction supervision task for the highway improvements.</p>
07/15 – present	<p>LADOTD, I-49 Corridor, Lafayette Regional Airport to I-10/I-49/US 70 Interchange, (SP No. H.004273.5), Lafayette Parish, LA. <i>Project Manager, Lead Design Team Member, and Railroad Coordination and Interchange Modification Task Manager.</i> NEPA Supplemental EIS and Design of a 5-mile freeway corridor. The project includes an 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, interment strategies and modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with overpasses and possible modifications to an Amtrak station platform. Other rail modifications include replacing the at-grade crossing with highway overpasses. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involvement tasks.</p>
06/15 – present	<p>LADOTD, Route LA 3139, Earhart Expressway to US 61, (SP No. H.004367.5), Jefferson Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension into the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, local access, potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor to transition back to the current lane configuration at the west end of the project. Reviewed and supported and participated in the environmental and public involvement tasks.</p>
2015 – present	<p>LADOTD, Road Safety Assessment and Facilitation, (SP No. H.011935.5), Statewide, LA. <i>Project manager and lead engineer.</i> Tasked to facilitate up to 10 Road Safety Assessments as requested by LADOTD. Tasks include analysis of crash data, preparation of RSA meeting handout, facilitation of meeting and site visit, and preparation of the RSA report. Six RSAs have been performed as of April 2016 in DOTD Districts 18, 61, and 62.</p>
02/07 – 11/09	<p>City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane Interchange (Highland Road to Perkins Road), Baton Rouge, LA. <i>Project Manager and Lead Engineer.</i> Design of corridor improvements from Siegen Lane to upgrade the two-lane suburban road to a four-lane urban boulevard. Developed road geometrics, developed suggested schedule of construction plans, and reviewed the drainage plans and calculations. Managed and authored the design study which included alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.</p>
11/04 – 02/17	<p>LADOTD (SP No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA. <i>Deputy Project Manager and Project Engineer.</i> Responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.</p>


 Firm AECOM Technical Services, Inc.		
Greg Trahan, PE, RSP₁ Project Manager V		Years of Relevant Experience with this Employer 18
		Years of Relevant Experience with Other Employer(s) 1
Degree(s) / Years / Specialization	BS/2005/Civil Engineering	
Active Registration Number / State / Expiration Date	36041/LA/03.31.25	
Year Registered	2011	Discipline Civil Engineer
Contract Role(s) / Description of Responsibilities	5. Traffic Engineering and Design Services - Analysis and Reports; 5. Traffic Engineering and Design Services - Planning Development; 9. Roadway Design and Hydraulic Engineering; 12. Construction Support Services. Greg is a civil engineer experienced with working on roadway design and traffic projects. He has worked hard delivering credible quality projects for AECOM since graduating college. During his time with AECOM, he has had experience as a project engineer and project manager for many transportation, planning, design, specification, and construction projects. <i>Training. Highway Safety Course Workshop; 2015 ATSSA Certified–Traffic Control Technician/Supervisor/Flagger; 2016 ATSSA Certified–Construction Surface Treatment Inspection & Installation; LADOTD Traffic Process and Report Parts 1,2, and 3; 2023 ATSSA Certified–Traffic Control Supervisor Refresher</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.	
09/17 – present	Coastal Protection and Restoration Authority, LA 23 over Mid-Barataria Sediment Diversion, Plaquemines Parish, LA. Project Engineer. Assisted in the design of the new bridge and roadway structure over the new sediment diversion. The project consists of a new concrete precast structure approximately 2,200 feet in length, and the connecting asphalt roadway. Design Plans include Plan and Profile sheets, Drainage and Profile sheets, Sequence of Construction Plans. There will be multiple construction activities being conducted at one time. Sequence of Construction is a critical element of design in order to manage traffic and maintain roadway operations even if eventuality of construction is required.	
05/14 – present	LADOTD, Earhart Highway Extension, LA 61, Jefferson Parish, LA. Project Engineer. Traffic study involving the new extension of the Earhart Extension a six lane urban roadway to Airline Drive, a four-lane highway, for a total of ten lanes. The study will include analyzing existing traffic conditions along LA 61 (Airline Highway) and LA 3154 (Dickory Avenue). As part of this project Greg is analyzing design alternatives, traffic data collection (observed and vehicular classification) along the corridor, and crash data.	
05/13 – present	LADOTD, Project No. H.001779.5) Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA. Project Engineer. Assisted in preparing a feasibility study to widen the existing crossing of the Red River along Jimmie Davis Bridge and to construct use bicycle and pedestrian paths on either side of the river. Task included geometrics study of highway and interchange and to produce three feasibility alternatives.	
02/16 – present	Jefferson Parish Public Works, Mounes St. Drainage Improvements, Jefferson Parish, LA. Project Engineer. Responsible for traffic control plans for the construction of the drainage improvements along Mounes Street. Plans included the phasing of traffic to install inground box culverts within the limits of the travel lanes.	

07/15 – 06/17	<p>LADOTD, Safety Studies Retainer Contract, Low Cost Safety Improvements, Statewide, LA. Project Engineer. Responsible for the preparation of Safety Improvement Plans (SIP) for 282 systemic curves located throughout the state of 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.</p>
03/14 – 09/14	<p>LADOTD, Krotz Springs Bridge and Business US 90 Bridge In-Depth Bridge Inspection, LA. Project Engineer. Assisted in the Maintenance of Traffic Plans for the inspection of the Krotz Springs Bridge and the Business US 90 Bridge. These plans included provisions to detour traffic from the closed portions of the bridge or entrance ramps.</p>
11/11 – 01/13	<p>LADOTD, LA 935 Feasibility Study, Safety Retainer Contract, Ascension Parish, LA. Project Engineer. Performed a Stage 0 on a section of LA 935 from LA 431 to LA 22. Developed a conceptual alternative for the realignment of LA 935, including the typical section, design plan, and cost estimate. The road parallel to Lake Bayou was realigned approximately 20' off the original alignment. This realignment allowed for the road to be widened, add shoulders to provide a recovery area for drivers. AECOM also performed a cost analysis to ensure the feasibility of build/no-build condition, minimize required Right-of-Way and/or acquisition of properties.</p>
05/10 – 09/12	<p>LADOTD (State No. H.005171.1) Louisiana Department of Transportation and Development to Identify Interim Improvements for Safety & Efficiency, St. Mary Parish, LA. Project Engineer. Assisted in identifying interim projects that would provide increased capacity or improved safety along the US 90 corridor. Some of the interim improvements include portions of US 90 to interstate standards.</p>
02/07 – 06/10	<p>Baton Rouge Dept. of Transportation, Siegen Lane Improvements, Highland Rd. to 650' south of Perkins Rd., Baton Rouge, LA. Project Engineer. Assisted in the design and plan development to widen 1.18-mile segment of Siegen Lane to a 4-lane boulevard. Tasks include the geometric design, roadway, subsurface drainage, and the development of the sequence of construction. The drainage area encompassed approximately 100 acres. A study was conducted on the multiple detention ponds, using a pond modeling program to determine if the box culverts were needed to be upgraded. A HEC-RAS model was conducted on an existing drainage ditch crossing Siegen Lane to ensure the proposed bridge would not exceed the existing tail water elevation. The sizing and spacing of culverts and inlets was determined using the LADOTD's ORWIN hydraulics program. Prepared quantities and cost estimates for the project.</p>
11/04 – 12/07	<p>LADOTD (State No. 700-92-0016) Siegen Lane Bridge over IHNC, New Orleans, LA. Project Engineer. Assisted in the geometric design of two interchange ramps connecting Siegen Lane to Florida Ave. 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.</p>

Firm Ardaman & Associates, Inc.			
	Chae Hrenyk Construction Materials Testing Manager	Years of Relevant Experience with this Employer	17
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	High School Diploma		
Active Registration Number / State / Expiration Date	N/A		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	<p>12 Construction Support Services. Chae serves as the Construction Materials Testing (CMT) Manager in the Baton Rouge office. He is an experienced technician with 15 years of experience in the field and laboratory who has successfully performed construction materials testing and QA inspection for many of our projects. He has experience with all aspects of pile monitoring including pile driving analyzer (PDA), pile logging and vibration monitoring. Mr. Hrenyk has experience with all aspects of drilled shaft construction inspection. He also has extensive geotechnical instrumentation installation and monitoring experience. He is also responsible for training and supervising all field technicians on instrumentation reading and/or monitoring. Mr. Hrenyk also has experience running field resistivity imaging using state of the art equipment that provides 2D and 3D geophysical survey transects. Mr. Hrenyk has served as client coordinator where he communicates field information to the client and/or engineers for evaluation. He is experienced in conducting field testing, reading and verifying large-scale project specification packages, laboratory analyses and inspection of concrete and he has taken the NHI Drilled Shaft Foundation Construction course and is certified in inspection of drilled shaft installation. He also has specific experience providing laboratory testing for LADOTD projects according to required test procedures and submitting data through the required LADOTD Materials Testing online database (LIMS). Mr. Hrenyk is also in responsible charge of all aspects of maintaining the certifications for the CMT Laboratory including a vast scope of test methods under AMRL, CCRL, USACE and LDEQ. His duties in this role include maintaining all equipment maintenance and calibration, supervising and training all technicians on proper test methods, maintaining all documentation and preparing and participating in laboratory inspections by the certifying agencies.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/09-08/11	SP NO. 700-29-0112 / LA-1- PHASE 1: Lafourche Parish, LA: Construction Monitoring Inspector. Served in the field as on-site technician during construction for this project in southeast Louisiana. He assisted the Engineer with PDA testing and pile logging.		
07/21-01/22	SP No. H.003931 / I-10 CALCASIEU RIVER BRIDGE: Calcasieu Parish, LA. Senior Field Technician. Ardaman's scope of work consisted of coordination of fieldwork including 37 deep soil borings, 39 ECPTs and 13 electrical resistivity (ER) geophysical survey transects. A majority of the soil borings were completed from a barge, some over a considerable amount of water. Some soil borings were completed from a marsh buggy over shallow water and thick marsh grass. Mr. Hrenyk assisted in completing the ER surveys. Ardaman's scope of work also consisted of a laboratory testing program, processing and analyzing of the ECPT and ER data, development of a geotechnical database and preparation and submittal of a geotechnical data report. This project consisted of obtaining preliminary geotechnical data under an extremely strict deadline to be used in the design phase of a project that will consist of replacing the existing I-10 Calcasieu River Bridge with a new structure and improvements to I-10 near the I-210 interchange and various other interchanges including entrances, exits and service roads.		

01/15-Ongoing	PECUE LANE / I-10 INTERCHANGE: East Baton Rouge Parish, LA. Construction Monitoring Inspector. Assisted in performing PDA testing and pile logging for the pre-cast pre-stressed concrete (PCC) piles and steel pipe piles driven for the I-10 Interchange bridge.
10/18-Ongoing	SP NO. H.003370 / I-220 / I-20 INTERCHANGE IMPROVEMENT AND BARKSDALE AIR FORCE BASE ACCESS ROAD: Bossier Parish, LA. Construction Monitoring Inspector. Mr. Hrenyk helped oversee the installation of driven piles drilled shafts and helped perform PDA testing and static load tests.
10/18- 01/20	SP NO. H.000263 / CHEF MENTEUR PASS BRIDGE & APPROACH: Orleans Parish, LA. Senior Field Technician. Ardaman's scope of work for this project consisted of an extensive field investigation program which included 37 deep soil borings, including borings over 200 feet in over 80 feet deep of high flow water, a laboratory testing program to provide geotechnical characterization data for use in design of deep foundations and embankments, a field resistivity testing program, and a data report. Mr. Hrenyk assisted with completion of the electrical resistivity surveys.
06/18-Ongoing	SP No. H.004791 / LA 23 BELLE CHASSE BRIDGE AND TUNNEL: Plaquemine Parish, LA. CMT Laboratory Manager. Ardaman's scope for this project consists of geotechnical and pavement engineering design reviews pertaining to Owner Verification (OV) during design and construction phases. This is a P3 Project, consisting of replacing the Belle Chasse bridge and tunnel, and Ardaman's scope consists of OV services. Mr. Hrenyk manages the laboratory testing program portion of this project including internal QC data review and input of the data results into LIMS as required by LADOTD.
10/09 - Ongoing	SP NO. H.004646.5 / I-20 MISSISSIPPI RIVER BRIDGE REVIEW: Vicksburg, MS. Senior Field Technician. Mr. Hrenyk assisted with many aspects of this multi-million-dollar, high risk, high technical needs, high visibility project consisting of investigating the movement of the I-20 Bridge in Vicksburg, Mississippi. Ardaman managed a highly technical team including academia, outside experts, including internationally recognized geotechnical engineers, geohydrologists, instrumentation specialists, and 3-D geotechnical modeling experts. Ardaman managed a comprehensive laboratory testing program and refined a geotechnical site characterization for the bank/bluff where there was evidence of shifting creating movement in the bridge structure. The specialized testing included x-ray diffraction for the determination of mineralogy, x-ray scanning of unextruded samples to identify existing shearing planes, stress-reversal direct shear tests to determine true residual angles of critical strata. He was instrumental in designing and installing the geotechnical instrumentation for this project including vibrating wire piezometers, Casagrande type piezometers, In-place inclinometers, SAA inclinometers, and traditional inclinometers. In addition, Ardaman performed seepage and drawdown analyses, slope stability analyses, evaluation of remedial measures, and developed technically feasible solutions. A geotechnical analysis and design report was prepared and submitted. Currently, he is assisting with a phase of the project that includes upgrading the entire instrumentation communication system and will be monitoring this system continuously.

Firm Ardaman & Associates, Inc.			
	Chandler Willis Laboratory Manager	Years of Relevant Experience with this Employer	12
		Years of Relevant Experience with Other Employer(s)	4
Degree(s) / Years / Specialization	BS / 2004 / Marketing		
Active Registration Number / State / Expiration Date	NICET / Generalist, Laboratory No. 135280 / 11-01-2024		
Year Registered	NA	Discipline	NA
Contract Role(s) / Brief Description of Responsibilities	<p>12. Construction Support. Chandler serves as Laboratory Manager of Ardaman's Baton Rouge laboratory which is under the direction of a Registered Professional Engineer. He supervises and manages operations of our AMRL Certified and USACE-validated laboratory and performs and oversees laboratory testing assignments, organizes, and schedules testing, trains and develops technicians, and supervises four full-time laboratory technicians. Mr. Willis is experienced conducting soil mechanics laboratory testing in accordance with appropriate AASHTO and LADOTD testing protocol, which includes Soil Classification, Atterberg Limits, Grain Size, Sieve Testing, Organic Matter tests, Moisture Content, and Strength testing (Unconfined and Unconsolidated-Undrained Triaxial (UU)). Prior to working for Ardaman, Mr. Willis served as laboratory manager at another geotechnical laboratory for two years.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
10/18-06/21	SP No. H.000263.5-1 / Chef Menteur Pass Bridge And Approach: Orleans Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests. Assisted in performing field resistivity testing along the alignment		
11/15-01/21	SP No. H.011309 / Macarthur Interchange Completion Phase 2, Route US 90-Z: Jefferson Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, and UU Strength Tests		
04/14-05/23	SP No. H.004435 / I-12 To Bush Segment 2, LA 3241: St. Tammany Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests.		
04/14-05/18	SP No. H.004113 / I-12 To Bush Segment 3, La Hwy. 3241 (LA 435 to LA 40 / 41): St. Tammany Parish, LA. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unit Weight, Particle Size Analysis (Hydrometer), and UU Strength Tests. Assisted in performing field resistivity testing along the alignment.		
10/09-Ongoing	SP No. H.004646.5 / Mississippi River Bridge Review: Vicksburg, MS. Laboratory Manager. Supervised and assisted with completion of a comprehensive laboratory testing program that included Atterberg Limits, Moisture Content and Visual Classification, Fines Content, Sieve Analysis, Triaxial Permeability (constant head), Conventional Incremental Consolidation, Unconfined Compressive Test and Unit Weight, Particle Size Analysis (Hydrometer), Unit Weight of Undisturbed Samples, Organic Content, and UU Strength Tests and Consolidated-Drained Direct Shear Tests.		

Firm Gresham Smith		
 Julian Bordelon, PE Engineering Plans, Specs and Construction Estimates	Years of Relevant Experience with this Employer	5
	Years of Relevant Experience with Other Employer(s)	2
Degree(s) / Years / Specialization	BS/2018/Electrical Engineering	
Active Registration Number / State / Expiration Date	PE 47473 / LA / 9/30/2025	
Year Registered	2023	Discipline PE Electrical
Contract Role(s) / Brief Description of Responsibilities	12. Construction Support; 13 Other Services (ITS). <i>Julian will provide technical Support During Construction and support the Engineering Plans, Specs and Construction Estimates tasks.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.	
11/22 – Ongoing	LADOTD, CEI H.013256, Scott to Lake Charles ITS, CEI, Lake Charles, LA. Project Engineer. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Julian is assisting in contract administration, inspection and testing oversight.	
10/20 – Ongoing	MDOT ITS, Meridian ITS Design, Meridian, MS. TSM&O Engineer. Gresham Smith is developing a system engineering analysis, ITS design plans, and specifications for I-59/I-20 between the I-59 @ I-20 interchange and the Mississippi state line. The project will install new ITS equipment including fiber, electrical systems, cabinets, camera poles, Dynamic Message Sign (DMS) structures, and a communications hub. Julian performed system engineering analysis, ITS design, voltage drop calculations, plans preparation, and field reviews.	
9/20 – Ongoing	Jefferson Parish - Train Detection System, New Orleans, LA. ITS Systems Specialist. Gresham Smith performed a system engineering analysis and concept of operations to develop a train detection system. Julian is responsible for developing the background functionality of train location prediction to send to the smart phone application.	
12/18 – Ongoing	LA OTS, LADOTD, Video Distribution Management System (VDMS), Baton Rouge, LA. Pre-Professional. Julian is providing ITS systems software maintenance and software development support for the statewide VDMS system which includes Baton Rouge, Houma, New Orleans and Shreveport.	
12/18 – Ongoing	LADOTD, LCG Adaptive Traffic Signal Design and Implementation, Lafayette Parish, LA. Pre-Professional. Julian is responsible for field verification of traffic signal inventory (TSI) of LCG system, design plans for adaptive signal control intersections, and integration when the system is completed.	
1/19 – 3/24	LADOTD, CEI H.011500.6, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA. Pre-Professional. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Julian is assisting in contract administration, inspection and testing oversight.	
12/18 – 10/22	TDOT, ITS Design Support Services WO#7: I-40 Nashville ITS Expansion, Nashville, TN. ITS Systems Specialist. Julian is assisted with the electrical design and voltage drop calculations and back checking of plans.	
2/20 – 8/22	KYTC, I-Move Design-Build, Jefferson and Oldham Counties, KY. Pre-Professional. The project includes the ITS design for CCTV cameras and Dynamic Message Signs (DMS) along I-265, I-71 and I-64 in Jefferson and Oldham Counties. Julian is assisting in the development of the typical details and plans preparation.	


1/19 – 12/22	LADOTD, ITS CE&I IDIQ, Task Order #2 & ITS CEI WO #4: Fiber Optic Mapping & Management, Ascension, East Baton Rouge, West Baton Rouge, Livingston, Terrebonne, Lafayette, Pointe Coupee, St. Landry and Rapides Parishes, LA. Pre-Professional. Gresham Smith was tasked with expanding the Fiber Optic Mapping & Management system to various parishes. Julian was responsible for data entry, document development and quality control.
1/21 – 4/22	GDOT, ITS Design: I-285 @ I-20 East Interchange Design Build, Atlanta, GA. Pre-Professional. Gresham Smith developed design plans along with specifications and cost estimates for the I-285 @ I-20 ITS project. The project removed existing ITS equipment and installed new ITS equipment including fiber, electrical systems, cabinets, camera poles, Dynamic Message Sign (DMS) structures, and connections to existing communications hubs. Julian assisted with ITS design, voltage drop calculations, and plans preparation.
3/20 – 3/22	MDOT, SR601 ITS Design, Gulfport, MS. ITS System Specialist. Gresham Smith developed system engineering analyses, ITS design plans, and specifications for two sections of the new SR601 between I-10 and 11th Street. The project installed new ITS equipment including fiber, electrical systems, cabinets, camera poles, Dynamic Message Sign (DMS) structures, Bluetooth detection, radar detection, a communications hub, and a highway advisory radio. Julian performed system engineering analysis, ITS design, voltage drop calculations, and plans preparation.
2/18 – 9/21	LADOTD, ITS CEI Retainer, Signal Communications Upgrade Phase 1, CEI, Various, LA. Pre-Professional. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Julian assisted with construction contract administration, field investigations, integration and testing, and construction inspection.
12/18 – 6/21	TDOT, ITS Design Support Services WO#8: Cumberland Plateau I-40 ITS Expansion, Cookeville, TN. ITS Systems Specialist. Julian is assisted with the electrical design and voltage drop calculations and back checking of plans.
12/18 – 1/19	LADOTD, ITS Design & Implementation WO #6: Fiber Optic Mapping & Management, Statewide, LA. Pre-Professional. For the statewide implementation of the Fiber Optic Mapping and Management System (NexusWorx), Julian was responsible for data entry, document development and quality control. This phase of the project included Tangipahoa, St. Tammany, St. John, and Orleans parishes and the Shreveport and Houma regions.
8/23 – Ongoing	City of Helena - Train Detection System, Helena, AL. Project Engineer. Gresham Smith is designing and developing a train detection system and mobile app for three rail road crossings in Helena. Julian is responsible for device configuration, electrical design, site detailing, voltage drop calculations, and field reviews.
1/22 – Ongoing	MovEBR - ATMC & VDMS, Baton Rouge, LA. Project Engineer. Gresham Smith performed a system engineering analysis to develop a redesign of the East Baton Rouge Traffic Engineering Office and the initial design of the East Baton Rouge Video Distribution Management System. Julian assisted with the system engineering analysis, stake holder workshop, concept of operations, high level design, and beta testing of the VDMS webpages.

OTHER/SPECIALTY SERVICES


13. Other Services

(See Section 14)

16. Staff Experience


		Firm AECOM Technical Services, Inc.
Jonathan McDowell, PE (MPR 1, 2 & 3) Associate Vice President		Years of Relevant Experience with this Employer 21 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 Additional active license: PE: MS, AR; 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 (2018)	
Year Registered		Discipline Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	11. Principal-in-Charge; 12. Construction Support; 13. Construction Services (Bike/Ped/Complete Streets). Jonathan has served as 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 studies, NEPA EAs and alternatives development for new roadways and roadway improvements, contract administration, and construction engineering and inspection for highway and public infrastructure projects. Design projects have included interstate highways, urban and rural roadways, bridges, culverts, railroads, drainage canals and culverts, and intermodal yard and port security improvements. With his extensive experience, he has the understanding of the project delivery process required to bring a transportation project from an idea to a built reality.	
Experience Dates	Experience and qualifications relevant to the project.	
03/23 – present	LADOTD, LA 561 Boeuf River Bridge Replacement (SR 1970.1), Hebert, Caldwell, and Richland, Parishes, LA. Road Design Task Leader. Replacement of a 700 ft thru span bridge with a prestressed concrete girder bridge. Tasks included the development of the horizontal and vertical geometrics for the bridge replacement on the existing alignment while updating the typical section of the road to current standards and modifications to the adjacent gravel lot on Womack Road, that serves four residences along the Boeuf River.	
10/21 – present	Louisiana Intermodal Terminal Preliminary Design, Port of New Orleans, Violet, LA. Deputy Project Manager and Project Engineer. Preliminary design of the full intermodal container yard facility along the Mississippi River near Violet, Louisiana. Developed conceptual design for the relocation of Highway (LA 46), improvements along the Perez Drive (LA 39), and the access interchange and the new port access road to the terminal gate. Developed conceptual layout for the container terminal internal road plans and developed the geometric design for the ramp. Developed the conceptual design for the relocation of the mainline Norfolk Southern railroad and the yard lead track for intermodal railroad yard tracks, and support yard tracks. Managed team of engineers and support staff to deliver 30% Plans for two highway improvements packages and the rail relocation and new industrial yard tracks package. Leading the permitting process for DOTD and Railroad ROW permits. Developed yard layout, circulation and access points.	
10/20 – present	City of Baton Rouge/Parish of East Baton Rouge, College Drive Improvements (Perkins Road to Bawell), Baton Rouge, LA. Project Manager and Task Manager. Urban Road Design and Complete Streets improvements to College Drive. The project includes a Design Study to develop a corridor and street network plan that includes potential connecting side road improvements, access management solutions, and other improvements along College Drive and the I-10 ramps to provide congestion relief and improve driver and pedestrian safety. The selected alternative will move to preliminary and final design.	

09/17 – present	<p>Coastal Restoration and Protection Authority of the State of Louisiana, Mid Barataria Sediment Diversion, (SP No. BA-0153), Plaquemines Parish, LA. <i>Task Manager and Lead Engineer.</i> Relocation of LA 23 and the NOGC Railroad across the proposed sediment diversion. Also responsible for the design of service roads along LA 23 and railyard layout that the contractor will use for site deliveries. Provided QC review for the traffic report and participation in the environmental and public involvement tasks. AECOM is the lead design development team for the \$1.5 billion CMAR project. The rail improvements provide for the extension of track across the diversion channel intake structure which would feature a moveable span for canal maintenance and approximately 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 have accommodations for up to two water mains to be hung under the bridge deck. Roadway improvements include access roads on each side of the bridge to maintain adjacent property access and new roadways to connect the existing highway to the new bridge structure. Tasks include road design, drainage, signing, and MOT. Currently leading construction support task for the highway improvements.</p>
07/15 – present	<p>LADOTD, I-49 Corridor, Lafayette Regional Airport to I-10/I-49/US 167 Interchange, (SP No. H.004273.5), Lafayette Parish, LA. <i>Project Manager, Lead Design Team Member, and Railroad Coordination and Interchange Modifications Task Manager.</i> NEPA Supplemental EIS and Design of a 5.5 mile freeway corridor. The project includes a comprehensive 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 connectivity, pavement strategies and modifications to an adjacent railroad track including the replacement of up to three at-grade crossings with overpasses and possible modifications to an Amtrak station platform. Other rail modifications include replacing the at-grade crossing with highway overpass. In addition, Jonathan will also perform tasks associated with highway geometrics, highway traffic, and environmental and public involvement tasks.</p>
06/15 – present	<p>LADOTD, Route LA 3139, Earhart Expressway Extension to US 61, (SP No. H.004367.5), Jefferson Parish, LA. <i>Task Manager and Lead Roadway Engineer.</i> Extension of the Earhart Expressway (LA 3139) onto Airline Drive (US 61). Developed urban highway geometric alternatives to accept the expressway extension in the Airline Drive Corridor. Alternatives considered the lane configuration, location of direct and indirect median openings, location of potential phasing of traffic signals, pedestrian movement within the corridor, bus stop locations, utility impacts, access management, and ability to drop lanes along the corridor to transition back to the current lane configuration at the west end of the project. Led design team reports and participated in the environmental and public involvement tasks.</p>
2015 – present	<p>LADOTD, Road Safety Assessment and Facilitation (SP No. H.011935.5), Statewide, LA. <i>Project manager and lead engineer.</i> Tasked to facilitate up to 10 Road Safety Assessments as requested by LADOTD. Tasks include analysis of crash data, preparation of RSA meeting handout, facilitation of the meeting and site visit, and preparation of the RSA report. Six RSAs have been performed as of April 2016 in DOTD Districts 0, 1, 51, and 62.</p>
02/07 – 11/09	<p>City of Baton Rouge/Parish of East Baton Rouge, Siegen Lane Roadway Improvements (Highland Road to Perkins Road), Baton Rouge, LA. <i>Project Manager and Task Manager.</i> Design of corridor improvements for Siegen Lane to upgrade the two-lane suburban road to a four-lane urban boulevard. Developed road geometrics, developed suggested schedule of construction plans, and reviewed the drainage plans and calculations. Designed and authored the design study which included alignment analysis, preliminary drainage design, a Phase I Environmental Site Assessment, a wetland study, and a noise study.</p>
11/04 – 02/17	<p>LADOTD (SP No. 700-92-0016), Florida Avenue Bridge over IHNC, New Orleans, LA. <i>Deputy Project Manager and Project Engineer.</i> Responsible for the geometric design of a high-level bridge with 158 ft vertical clearance and associated interchange ramps and approach roadways. Coordinated with utility companies and railroad agency for proposed relocations of a 48" water main, a 54" sewer force main, a 72" sewer force main, an electrical duct bank, a temporary railroad relocation, and several other utilities that were affected by the construction of the bridge. Proposed modifications to the site layout and parking area for an operator house associated with the existing adjacent draw bridge and a drainage pump station located under the proposed bridge. Prepared cost estimates for the main span and approach bid packages. Assisted in PM duties.</p>


	Firm	AECOM Technical Services, Inc.		
Victor De la Garza, PE		Years of Relevant Experience with this Employer	5	
Civil Director		Years of Relevant Experience with Other Employer(s)	20	
Degree(s) / Years / Specialization		MS/2003/Computer & Electrical Engineering; BS/2000/Computer & Electrical Engineering		
Active Registration Number / State / Expiration Date		PE.0047470/LA/09.30.2025		
Year Registered		2023	Discipline	Electrical and Computer Engineer
Contract Role(s) / Brief Description of Responsibilities		13. Other Services (ITS). Victor has prepared TSMO Program Plans in Texas for five districts; supported development of the TxDOT Statewide TSMO Strategic Plan; facilitated Capability Maturity Model Workshops; prepared ITS Implementation Plans; designed a wide range of ITS devices; and managed TMC operations.		


Experience Dates	Experience and qualifications relevant to the proposed contract.
04/19 – 08/22	Transportation System Management & Operations (TSMO), TxDOT, El Paso, TX. Project Manager. Led the development of the TSMO program plan for El Paso region. This included extensive coordination with region stakeholders from New Mexico and Mexico counter parts and representatives from local, state and federal levels. Victor in responsible charge of ITS design and processes and his team were able capture TSMO strategies to be implemented in the near future. This project consisted on multiple outreach meetings, surveys and one-on-one conversation with key stakeholders. Project included Capability Maturity Model evaluation, Capability Maturity Framework and State of the Practice report. Concurrently, Victor led the development and develop Plan Sheets, Specification and Estimate for Wrong Way Driving Systems that provided TxDOT the option to trigger automatically or manually a message on a DMS alerting of wrong way vehicle detected.
03/20 – 08/20	Transportation System Management & Operations (TSMO), TxDOT, Odessa, TX. Project Manager. Led the development of the TSMO program plan for Odessa region. With extensive coordination with region stakeholders that included representatives at local, state and federal levels. Victor and his team were able capture TSMO strategies to be implemented in the near future. This project consisted on multiple outreach meetings, surveys and one-on-one conversation with key stakeholders. Project included Capability Maturity Model evaluation, Capability Maturity Framework and State of the Practice report.
04/19 – 01/20	ITS Master Plan, El Paso, TX. Project Manager. Led the development/design of the TXDOT's ITS Master Plan for the next ten years. Work consisted on analyzing existing ITS network and identify gaps in CCTV coverage, vehicle detection, and communication to travelers via DMS. This plan also included ITS elements to keep drivers engaged and alert while driving in rural high-speed areas within the El Paso district. Plan recommended emerging ITS technologies and systems and data communication upgrades to improve TMC operations and emergency personnel response time.
03/16 – 02/19	Border Highway West Loop 375 Design-Build Toll Road ITS, Tolling, and Traffic Signal Design Lead, City of El Paso, TX. ITS Design Lead Manager. Victor served as design lead manager for traffic elements such as signing and striping and traffic signal design which included the first Single- Point Urban Interchange (SPUI) in Texas located on LP375 at Executive Center, an elevated traffic signal on SPUR 1966 and LP375, signing and striping, railroad coordination, telecommunication company utility relocations. Victor was responsible for the design and integration of Intelligent Transportation System which consisted of CCTV Cameras, Dynamic Message Sign, Nonintrusive vehicle detector systems such as Radar and Video Imaging Vehicle Detector Systems, Bluetooth readers and full system integration of this roadway into the City of El Paso and TransVista Traffic Management Center.

04/20 – 12/20	<p>Wrong Way Driver Countermeasure LP375, El Paso, TX. Project Manager. Directed the design that consisted of ramp reconfiguration along LP375 at two of El Paso’s downtown exits. Included median improvements along Oregon St, roadway illumination, improved signing and pavement markings, and design of ITS and Lidar Wrong Way Driver Detection system. The proposed system monitors roadway off ramp and triggers flashing beacons when a wrong way driver gets detected. If the wrong way drive continues, the system triggers alert to the El Paso Police Department 911 call center, TransVista Traffic Management Center and has the capability to activate a DMS with a caution message about a wrong way driver with or without TransVista operator confirmation. This project required extensive coordination with multiple agencies and had a very tight scheduled.</p>
04/20 – 02/21	<p>Wrong Way Driver Detector I-10, Fabens, TX. Project Manager. Project consisted on deploying two Wrong Way Driver Detection systems at the exit ramp of I-10 at FM 1110. The system consisted of a thermo cameras that detect presence and direction of vehicles entering the off-ramp in the wrong way. At the event of wrong way driver detection, the system trigger flashing beacons installed at Wrong Way sign locations to get wrong way driver’s attention. The system takes a snapshot of the vehicle and send an email to TransVista TMC operators about the event. This system was integrated to TransVista using cellular modem. This project also included signing and striping improvements as recommended in the El Paso District Wrong Way Countermeasure guidelines.</p>
02/20 – 07/20	<p>Permanent Queue Detection System, I-10, Sierra Blanca, TX. Project Manager. Project included five miles of fiber optic infrastructure, five CCTV cameras, 11 Radar Vehicle detectors, three Dynamic Message Signs and Central Processing Unit installed at the approach of Customs and Border Protection checkpoint. The ITS design consisted on integrating vehicle detection system to a Central Processing Unit. This Unit processes vehicle speed and volumes and automatically displays warning message alerting the traveling public of congestion ahead on the roadway. Proposed CCTV cameras are for traffic surveillance only. Video feed was shared with the Customs and Border Protection checkpoint and integrated into the TransVista TMC. System was integrated using cellular modem. Data load calculation were performed and ITS was broken into multiple systems to ensure Quality of Service.</p>
04/14 – 09/15	<p>City of El Paso Traffic Management Center Relocation, El Paso, TX. Project Manager and Lead ITS Design Engineer. When the City of El Paso approved the construction of a new AAA baseball stadium for the El Paso Chihuahuas, the selected site needed to be cleared immediately of existing structures, namely City Hall, which housed the TMC. For the City to continue to monitor and control traffic flow on the City’s freeways and surface streets, a new TMC had to be designed, along with the relocation of all City fiber optic systems coming into and out of the City’s IT Network Center, also located in City Hall. Selection of the site initiated a rapid design and deployment project to establish an interim TMC in just under two weeks—an almost impossible task, but one that earned the project recognition at the 2014 ITS (Intelligent Transportation Society of America) Texas Chapter’s annual conference. System downtime was unacceptable, requiring unique, multi-entity approved solutions to be achieved efficiently. Project included complex ITS design and integration and development concept of operations for the new TMC.</p>


		Firm AECOM Technical Services, Inc.	
Bonnie Dial, PE, PTOE Traffic Engineer		Years of Relevant Experience with this Employer	18
		Years of Relevant Experience with Other Employer(s)	0
Degree(s) / Years / Specialization	BS/2006/Civil Engineering		
Active Registration Number / State / Expiration Date	PE/108550/TX/ 03.31.25 Other active license: PTOE/3577/11/30/2025		
Year Registered	2011	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities	5. Traffic Engineering and Design Services - Analysis and Reports; 5. Traffic Engineering and Design Services – Plan Development; 13. Other Services (I) Bonnie prepares plans and specifications for traffic signals, signing, pavement markings, lighting as well as roadway capacity, and operational improvements.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
07/18 – present	Slaughter Lane Improvement, City of Austin, Austin, TX. Traffic Signal Design Lead. Providing management and traffic design lead services for about 10 miles with sidewalks, bike lanes, and roadway capacity improvements designed and constructed in phases to facilitate early construction. Bonnie supervised the preparation of Traffic Projections Report, Safety Analysis. Bonnie managed signal design and signing/pavement marking design for over 100 signals within multiple PS&E and IDIQ submittals. Coordinated with staff, other agencies, and utilities for a cohesive design.		
11/20 – 01/21	Staff Augmentation, City of Austin, Texas. Manager. Managed multiple traffic engineering projects. Bonnie supervised the design of safety improvements with federal HSIP funding including traffic signals, traffic control plan, pedestrian ramp improvements, and signing/stripping. Converted the PHB for Congress to a full signal, and designed new signal at Congress at Ramble. In addition, managed the fast-paced Cameron/Dessau street lighting PS&E project to improve safety lighting along roadway. Coordinated with City staff, Austin Energy, TXDOT, and other consultants. Produced 48 Cameron/Dessau street light design sheets specifications, and cost estimates and Howard/Slaughter street lighting design sheets. Completed cost estimate from 0-100% in 3 months.		
08/20 – present	US 59 Reconstruction, TXDOT Laredo District, Laredo, Texas. Traffic Task Lead. Provided services for 90% design of 6.5 miles of ITS, temporary and permanent signals for intersections (University Blvd. and Del Mar Blvd.), and signing and pavement markings. The ITS system consists of DMS, CCTV, and roadway detection systems for select exit ramps. Designed mast arms, pedestal poles, APS push buttons, installation of Synchronic radar detection), and CCT under bridge. Designed signing and marking plans for freeway, frontage road, and transition between arterial and freeway segments. Produced ITS schematic and coordinated among multiple prime consultants and with traffic engineer for consistency.		
09/21 – 09/22	West Road at Federal, Traffic Signal Design, Fedex, Houston, TX. Design Lead. Provided services for the design of a traffic signal to Harris County standards and specifications. The project included coordination with Fedex, Harris County for approval of the traffic signal design. CenterPoint to establish a new electrical service. The project included a traffic signal warrant study, flashing left turn arrow warrant, and intersection sight distance analysis. Also providing review and approval of construction item submittals.		
11/19 – 01/20	Planning Level Traffic Impact Analysis, Confidential Client, Lake Charles, LA. Project Manager. Responsible for the oversight of a planning level traffic impact analysis for traffic during construction of a new industrial facility. Using generalized criteria for similar types of roadways, the existing and expected arterial Level of Service (LOS) was analyzed and possible roadway network improvements were identified to determine the overall viability of the project.		

01/19 – 03/21	SH 146 at N Alexander Drive Traffic Signal Design, TXDOT (Houston District), Baytown, TX. Traffic Signal Design. Prepared a traffic signal warrant study for the intersection of SH 146 at Alexander Drive that determined once the mainlane overpass is built, a traffic signal is no longer needed. Then, performed an all-way stop warrant and traffic signal design to convert the traffic signal to flashing all-way stop conditions until further study after construction. The controller needed to be relocated due to the location of the bridge columns, and the existing mast arms will remain to reduce construction cost.
03/19 – 12/19	FM 1488 at Forest West and FM 1488 at Sweetgum Lane Traffic Signal Design, TXDOT (Houston District) Montgomery County, TX. Project Manager. Responsible for the design two traffic signals along FM 1488 due to the growing drivers in the area. The design included mast arms, pedestrian crossings to align with the planned access management project. Included driveway relocation to align driveway with intersection, utility relocation to avoid mast arm location, designed conduits and pedestrian ramps to avoid existing cross drainage diagonal across intersection.
03/19 – 12/19	FM 1488 Access Management Study, TXDOT, Montgomery County, TX. Project Manager. Responsible for guiding short-, medium-, and long-term implementation solutions to enhance safety and mobility along the corridor with 19 signalized intersections. Analyzed intersection LOS, crash history, and deficiencies as part of the existing conditions report. Conducted steering committee, stakeholder, and public meetings as part of a valuable public involvement process. Recommended access management solutions including raised medians with hooded left turn lanes, continuous green T intersections, multimodal connectivity through intersections, pedestrian crossings, and traffic signal improvements. Developed construction cost estimates and Transportation Improvements Program (TIP) applications to request funding.
03/19 – 10/19	Industrial Traffic Study, Confidential Client, Gregory, TX. Project Manager. Responsible for the analysis of a large industrial facility with the primary goal to recommend roadway improvements. Evaluation of existing operations and future operations. Understanding project needs, collecting traffic count data, determining traffic growth rates, analyzing intersections in Synchro, analyzing freeways in Vissim, and preparing construction cost estimates. Coordination was required with client and TXDOT to incorporate several planned improvements.
07/19 – 05/20	IH 45 Reconstruction, TXDOT, Harris County, TX. Task Lead. Responsible for design of signing, signals, pavement markings, high mast illumination, and ITS along IH 45 from the Texas City Terminal Railroad to north of the Galveston Causeway surrounding SH 6 intersection. Performed quality control on signing, pavement markings, and ITS. Led team to complete work on time, within budget, and to high quality emphasizing public involvement.
01/18 – 12/18	SH 3 Access Management Study, TXDOT, Harris County, TX. Engineer. Responsible for short-, medium-, and long-term improvements to enhance safety and mobility along the 14-mile corridor with 24 signalized intersections. Prepared preliminary roadway improvements to add raised medians with hooded left turn lanes based on Synchro traffic analysis results, to add sidewalks for multimodal connectivity, and recommend traffic signal improvements. Presented recommendations to the steering committee and prepared visually effective public meeting materials. Currently tasked to design 3 traffic signals based on these recommendations.
01/17 – 12/17	SH 105 Access Management Study, TxDOT, Montgomery County, TX. Engineer. Responsible for the development of short term solutions for a 4 lane roadway to be expanded to 6-lanes with a 28-ft median. Corridor has high speed limits, developing suburban area, high driveway density. The corridor has plenty of right-of-way for access management improvements. A cost estimate was also developed.
06/16 – 10/16	Traffic Signalization of Hollyhock Road and Greenhouse Road, Harris County, Katy, TX. Technical Lead. Responsible for the design of a new traffic signal, including providing engineering services for signing and striping, pedestrian facilities, and extending turn bays.


		Firm AECOM Technical Services, Inc.	
Kelly Duggan, AICP Senior Urban Planner		Years of Relevant Experience with this Employer	<1
		Years of Relevant Experience with Other Employer(s)	12
Degree(s) / Years / Specialization		MURP/2010/Historic Preservation	
Active Registration Number / State / Expiration Date		APA ID: 340795/AICP	
Year Registered		2017	Discipline Urban Planning
Contract Role(s) / Brief Description / Responsibilities		9. Roadway Design & Hydraulic Engineering Services; 13. Other Services. Kelly brings experience in both the public and private sectors. She has worked in a diverse range of disciplines, including regulatory planning, transportation and recreation design and construction, active transportation planning and implementation, and land use planning and facility design, and public participation. Her main areas of expertise include master planning, project management, zoning and land use policy, public participation, and facility design, and public participation. She also has experience in working with clients to assist in the development of master plans, develop scopes of work, negotiate contracts, and monitor project progress.	
Experience Dates	Experience and qualifications relevant to the proposed contract		
11/23 – present	DOTD, I-49 Connector project. Senior Urban Planner. Responsible for NEPA planning for, public engagement, crash data analysis and visualization, green infrastructure planning, and other project management tasks.		
04/23 – 04/24	Webre Consulting. Senior Land Use Consultant. Services include project lead on all land use requests, resubdivision applications, Board of Zoning Adjustments petitions, Legal Non-Compliance applications and similar zoning administrative review requests.		
05/22 – 06/23	BREC. Assistant Director of Urban Trails Planning. Managed a team of five landscape architects in the planning, design, construction and maintenance of BREC's Greenway System		
04/18 – 05/22	Kelly Duggan Design. Owner. General Planning and design services for municipalities and private organizations		
03/19 – 04/20	City of Maryville. Senior Planner. Services include planning support to TDOT for road projects within the City		
04/17 – 06/18	City of Oak Ridge. Senior Planner. Managed the City's trails program and served as the point of contact with TDOT.		
07/08 – 09/13	City of New Orleans. Preservation Planner/Senior City Planner. Performed municipal planning duties including plan review, code analysis, reports on land use decisions, and making recommendations to commissions and City Council.		

 Firm AECOM Technical Services, Inc.			
Robert Edelstein, PhD, PE, PTOE Senior Vice President, Business Development		Years of Relevant Experience with this Employer	46
		Years of Relevant Experience with Other Employer(s)	5
Degree(s) / Years / Specialization	PhD/1978/Transportation Planning and Engineering; MS/1973/Transportation Planning; BS/1972/Civil Engineering		
Active Registration Number / State / Expiration Date	PE #23959/LA/09.30.25 Other active license: PTOE #1205/ National/2024		
Year Registered	1990	Discipline	Civil Engineer
Contract Role(s) / Brief Description Responsibility	13. Other Services (ITS & Tolling Studies). Bob serves as AECOM's ITS Practice Leader having developed the ADOTD ITS Strategic Plan in 2010 as well as TSMO Strategic Business Plans and TSMO Training Programs for Texas DOT and Florida DOT. He has also served as Technical Advisor for the New Hampshire DOT and Maryland DOT TSMO Strategic Plans.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
02/10 – 06/10	LADOTD, ITS Strategic-Business Plan, LA. Project Director/Author. Developed a Strategic Business Plan that addressed each facet of the program, including ITS deployment, ITS operations; ITS maintenance; ITS systems; Roadway Safety Incident Program; traffic incident management; traveler information, ITS engineering; partnering; and public outreach.		
02/06 – present	FDOT District Four, ITS Strategic-Business Plan, Fort Worth, TX. Project Manager/Author. The contents of this report include the following: (1) Strategic Plan – Develop a vision statement defining the desired status of the TSMO program in the next five years. This vision addressed each facet of the program including ITS deployment, ITS operations, ITS maintenance, Road Rangers, traffic incident management, ITS systems, partnering, traveler information, public outreach and new initiatives. (2) Business Plan – The Business Plan provided recommendations for each of the above areas on a year-by-year basis. (3) Report Card – Performance measures were developed in order to track the progress and success of the ITS program on an annual basis. Updated the ITS Strategic-Business Plans for the 2010-2015, 2015-2020, and 2020-2025 time periods. Currently, developing and delivering a comprehensive TSMO training program of 25 modules including a TSMO overview, system architecture, performance measures, capability maturity model, TSMO strategies, TSMO Design, Construction, Data Management, and TSMO O&M.		
05/19 – present	TxDOT, TSMO GEC, Project Manager/Author. Provide technical support at the statewide level as well as five of the 25 districts throughout Texas. Services includes leadership, management, conducting capability maturity model workshops, development of TSMO strategic plan, implementation, review of special studies, benefit-cost analyses, update of ITS Master Plans and system architectures, development of operational performance measures, as well as presentations and preparation of TSMO Program Plans. As part of the project, prepared a comprehensive TSMO Training Program inclusive of 30 modules. In addition, he prepared technical reports on a variety of TSMO topics including: TSMO Funding, Technical Solutions, Performance Measures, TSMO Evaluation Tool, Data Platform, Interoperability, Information Management, TSMO Benefit-Cost Analysis, Traffic Incident Management, TSMO Innovation Framework, AI/Machine Learning Applications to TSMO, Gamification Applications to TSMO, Lonestar™ Enhancements, and others.		


06/18 – 02/20	<p>Ohio DOT, Automated Vehicles (AV)/Connected Vehicles (CV) System Engineering, Statewide, OH. <i>Technical Advisor.</i> Supporting the AV/CV Feasibility & Exploration Report and supporting development of the ConOps, system requirements, Integrated Data Exchange software requirements, and defining pilot projects throughout the state. Final concepts are being advanced based on needs, risk, readiness, deployment feasibility and expected benefits as well as their applicability to urban, suburban or rural locations. The ConOps provides a high-level description of how AV/CV applications can be implemented in a coordinated manner to deliver needed transportation services. This includes the identification of stakeholder roles and responsibilities for AV/CV applications, including the data they share to deliver those services. Building on the Ohio AV/CV Statewide ITS Architecture, this ConOps describes the state of existing transportation systems in Ohio, presents the justification for changes to those systems in support of AV/CV, outlines a proposed system concept for identified AV/CV functions – including an ODOT Integrated Data Exchange that will enable this functionality, details operational scenarios to demonstrate the influence of AV/CV in the delivery of transportation services, and describes anticipated impacts and performance measures for the proposed system concept.</p>
07/18 – 02/19	<p>CDOT, ROADX, Statewide, CO. <i>ITS Engineer.</i> Provided technical support in developing a Technology Strategic Plan that will leverage the resources and capability of their Mobility Operations Division (i.e., Traffic & Safety Engineering, ITS, Real-Time Operations). The plan provides the framework to transform mobility by using data and emerging technology to create an efficient, safe, and reliable transportation system.</p>
09/17 – 02/18	<p>New Hampshire DOT, ITS On Call Services, Statewide, NH. <i>Technical Advisor.</i> Supported the development of a TSMO Strategic Plan to provide guidance on the deployments and integrations of the TSMO Bureau over the next five fiscal years (2020- 2024). This Strategic Plan is an update to the previous Strategic Plan developed by AECOM for fiscal years 2015 - 2019. The time frame reflects a reasonable horizon that considers major advances in emerging technologies that may alter installation methods, costs, or delivery systems in the future.</p>
5/18 – 12/18	<p>Maryland Department of Transportation, On Call ITS Services, Statewide, MD. <i>Technical Advisor.</i> Responsible for the preparation of the 5-Year Program (2020-2024) to define a number of corridors as candidates for initial TSMO deployment projects. One-page project summary sheets were developed for each TSMO project including information on project location; operational issues and needs within the corridor of parallel and arterial roadways; project type (institutional, process, deployment); cost estimates (deployment, operations, and maintenance); and project schedule.</p>
07/14 – 03/16	<p>Ohio DOT, Statewide Active Traffic Management Study, OH. <i>Project Director.</i> Statewide study evaluating the application of Active Traffic Management strategies to address growing congestion within their major regional networks (i.e., Cincinnati, Columbus, Cleveland, Akron, Dayton, Toledo). The following strategies were considered: Dynamic Ramp Metering, Hard Shoulder Running – Buses and Mixed traffic, HOV Lanes, Truck Only Lanes, Contra Flow Lanes, Managed Lanes, Dynamic Merge Control, Dynamic Lane Assignment, Variable Speed Limit/Speed Harmonization, Queue Warning. He prepared the Concept of Operations.</p>

Firm		AECOM Technical Services, Inc.	
	Miguel Sanchez, RA		Years of Relevant Experience with this Employer
	Architect		Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization	MA/2012/Architecture		
Active Registration Number / State / Expiration Date	AR99099/FL/02.28.25 Other active license: DE		
Year Registered	2017	Discipline	Architect
Contract Role(s) / Brief Description of Responsibilities	13. Other Services (Facilities). Miguel is well rounded with design and construction administration experience of multiple project types. His design experience includes project conceptual design, programming, verifying code compliance, and construction administration. He works closely with team members, clients, and other professionals to develop and design a project in budget and on time. In addition, he has experience with various software programs for concept design visualization and also Building Information Modeling (BIM) technology.		
Experience Dates	Experience and qualifications relevant to the proposed contract.		
12/19 – present	Replacement of Bridge 3-164 Cedar Creek Bridge, DeDOT, Slaughter Beach, DE. Architect/Production. The project will replace the existing bridge and control house in its entirety as a result of increasing frequency of high water events , deterioration of bridge, and ongoing maintenance of equipment. The selected bridge design is a Dutch-style bascule bridge with allows the operating machinery to be located above the roadway level and out of the floodplain. A new control house will be constructed to support the equipment, generator, and control station above the floodplain. The design of the control house incorporates sustainable design elements to provide a structure that will be durable and energy efficient. The structure was developed to resemble a lighthouse in a horizontal form extending toward the waterway and will act as a beacon for both roadway and marine traffic.		
01/21 – present	Punta Gorda Airport South terminal and In-Line Baggage Expansion, Charlotte County Airport Authority, Punta Gorda, FL. Architect/Production. The project involves the conversion of the existing bag make-up areas to a full in-line baggage screening system. This will allow for an expansion of approximately 20,000 S.F. for in-line baggage screening, TSA administrative offices, support spaces, and covered area for make—up carousel. The existing screening area will be renovated and converted to additional hold room space as Airport has seen large increase of passenger volume since their last expansion in 2015. This project properly aligns with the master planning study conducted for future growth and terminal expansion.		
07/22 – present	Tampa International Airport Airside A & E Security Screening Checkpoint Expansion, Hillsborough County Aviation Authority, Tampa, FL. Architect/Production. This project involves expanding the Security Screening Checkpoint Areas at Airsides A and E to meet capacity demands. The existing Security Screening Checkpoints (SSCP) areas have been strategically located at the airside to reduce congestion in the Main Terminal. Both Airsides A and E were designed prior to current TSA standards and therefore do not meet the throughput and space requirements to provide a satisfactory level of customer service. When these spaces are expanded and designed to the proper TSA standards as part of this Project's scope, the circulation, queuing, and screening throughput will be greatly enhanced and will provide high levels of customer service. Each screening expansion is approximately 19,000 S.F.		
04/19 – present	Tampa International Airport UPS Air Cargo Building, Hillsborough County Aviation Authority, Tampa, FL. Architect/Production. The project consists of constructing a new building air cargo building for UPS at the Airport. The building is comprised of approximately 40,000 - 41,000 S.F. building with warehouse sorting area, storage, administration offices, and auxiliary spaces. Building lower 2/3 perimeter walls to be constructed of concrete/masonry construction to provide durability and low maintenance from operations and functions with the building. The remaining upper portion of the perimeter walls and roof to be constructed of insulated metal panels to achieve optimal thermal values and durability. The vault will support 16 regulators, generator room, and work/storage room.		

11/19 – 12/23	<p>St. Pete-Clearwater International Airport Relocate Airfield Electrical Vault, St. Petersburg, FL. <i>Architect/Production.</i> The existing vault building dates back to the 1950's and is immediately south of the passenger terminal building which is the lowest point of the apron and is prone to flooding. The project consisted of relocating this vault away from the flop-prone area and provide further expansion within the new vault building to support continued airfield development.</p>
12/16 – 03/22	<p>Gainesville-Alachua Regional Airport, Gainesville-Alachua County Regional Airport Authority, Gainesville, FL. <i>Architect/Production.</i> AECOM contracted with the Authority to provide Architectural and Engineering Services for the planned expansion and improvement of the Commercial Terminal Building and other miscellaneous work to be executed in two phases over a five-year period. Phase I of the terminal expansion and improvement project is anticipated to include a 16,000-square-foot expansion of the post security gate area with two new passenger boarding bridges and expanded restrooms as well as modifications to the TSA passenger screening area to accommodate a second screening lane. Additionally, replacement of existing terminal roof, HVAC upgrades, and public restroom improvements are included under the Phase I work. Phase II work planned during the 5-year contract period includes installation of a mini-inline baggage handling system and new outbound conveyor system with covered, common-use baggage makeup area, and relocation of the TSA baggage x-ray equipment. Coordinated with Airport Authority to conduct site visits of proposed spaces and existing conditions to provide design solutions. As the project progresses, will continue to design and work through the construction document phase.</p>
03/17 – 12/18	<p>Keystone Heights Airport, Clay County, Starke, FL. <i>Architect/Production.</i> The Keystone Airport Authority intends to construct a new 3,500-square-foot Fixed-Based Operator (FBO) facility. The building was developed with two options for the building envelope of concrete masonry units with fiber cement siding veneer or stud wall system with fiber cement siding veneer to provide options for an economic solution for the RFP. Each of the building entrances has covered porch areas. Responsible for developing performance specifications and building layouts/drawings to describe intent and program requirements for a Design-Build RFP package. Alternate concepts and refined design elements were implemented to align the construction cost estimate with the project budget of \$900,000.</p>


Firm AECOM Technical Services, Inc.		
 Joseph Silva Emerging Technology/ITS Leader	Years of Relevant Experience with this Employer	1
	Years of Relevant Experience with Other Employer(s)	14
Degree(s) / Years / Specialization	MS / 2010 / Electrical Engineering BS / 2008 / Electrical Engineering	
Active Registration Number / State / Expiration Date	NA	
Year Registered	NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities	13. Other Services (Tolling). <i>Joseph is a highly accomplished technology leader with extensive experience in the transportation and tolling industry. As the Enterprise Architecture Lead, Engineering & Innovation Director, Product & Platform Director, and Chief Technology Officer, Joseph has successfully spearheaded numerous transformative projects for renowned companies such as Transurban, Indiana Toll Road, and VeriToll. Notably, he has played a pivotal role in the technology development and integration of the Express Lanes project in Northern Virginia, contributing to over \$300 million in toll technology project delivery and over \$3 billion in infrastructure projects. Joseph excels in driving multi-million-dollar revenue business transformations, leading global back-office system overhauls, and pioneering the development of innovative Open Road Tolling platforms and mobile applications. With a proven track record of delivering successful projects and achieving substantial cost savings, Joseph's visionary leadership, strategic mindset, and exceptional technical acumen consistently drive operational excellence and enhance customer experiences.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.	
06/19-12/19	I-395 Express Lanes (Testing), Transurban, Alexandria, Virginia. Test Management Director. As the Test Management Director, Joseph played a key role in the I-395 Express Lanes project. He spearheaded the design, development, and deployment of the innovative AuditToll platform specifically for the I-395 Express Lanes, adding significant value to the assignment. Joseph managed a team of 30+ drivers, overseeing their activities over several months. Through the AuditToll platform, he identified system issues, revenue leaks, and empowered the systems integrators and operations teams to conduct continuous system checks during critical project stages. Joseph's expertise and leadership greatly improved the efficiency and effectiveness of the tolling system implementation, ultimately resulting in substantial savings of over \$2.5 million for Transurban (prior firm).	
12/19 – 12/21	Indiana Toll Road (ITR) Toll System Replacement, Indiana Toll Road, Elkhart, Indiana. Advisor to CEO. Seconded to the ITR leadership team as the acting CTO, collaborating directly with the executive team and board to spearhead a multi-year, \$300 million/year revenue business transformation. Led the client relationship, sales, architecture, and delivery of a complex, multi-year, \$20 million+ roadside and lane tolling transformation program. Oversaw all aspects of roadside toll system procurement and delivery, coordinating with Tier 1 roadside tolling vendors to secure and implement new roadside toll payment systems and in-lane technology solutions. Accountable for client relationship management, including overseeing principal and engagement support resources. Identified, hired, and coordinated with the CIO to transform operational technology, monitoring, and alerting platforms in a DevOps operating model (prior firm).	

09/17 – 03/19	<p>Transurban (GoToll Mobile Tolling App). Innovation and Product Director. Developed the business case, financial model, operational model, platform architecture, and established build teams for a mobile-based tolling platform in North America. Led stakeholder engagement with the executive committee and strategic build partners. Held the role of Innovation & Product Director, providing direction to the product owner, as well as development and operational teams in a modern agile-based (DevOps) practice. Served as the Chief Architect, responsible for designing the business and technology architecture of the platform. Led a successful business development effort with the North Carolina Department of Transportation, resulting in the adoption and integration of GoToll in NCF.</p>
01/16 - 09/16	<p>VeriToll / Transurban (Express Lanes App & Website). Platform Architect. Spearheaded the development and release of the Express Lanes App on multiple mobile platforms and application stores. Acted as the Platform Architecture Lead, establishing and leading a multi-disciplined agile engineering and operations team. Managed the migration of legacy customer relationship management platform to AWS, including a cloud transformation of customer platforms and integration with legacy back-office systems. Pioneered and developed a video streaming platform enabling the Express Lanes mobile app and website to stream live camera feeds from roadside ITS equipment with sub-second video load times.</p>
11/13 - 12/15	<p>I-95 Express Lanes (Transurban). Chief Architect and Systems Integration Engineer. As the Technology Transformation Lead, Joseph successfully designed and integrated over \$60 million worth of tolling and traffic management systems for the I-95 Express Lanes project. Led the Electronic Toll Collection (ETC) systems, Roadside Networks, ITS devices, Back Office System, Mobile Enforcement System (MES), Traffic Management System (TMS), and Dynamic Pricing System (DPS). Managed multiple tier 1 technology providers in the design, engineering, integration, and testing of revenue and safety-critical platforms. Led the design, development, integration, and testing of roadside networking infrastructure, connecting thousands of roadside ITS devices on dedicated fiber across over 100 miles of roadway in the Washington DC Metro area. Led the interface with tier 1 Civil Architecture and Engineering firms to design, plan, install, and integrate roadside technologies, power, gate, and communication systems.</p>
01/10 - 12/12	<p>I-495 Express Lanes (Raytheon/Transurban). Systems Engineering Lead. Key member of the \$100 million capital Beltway Project Express Lanes, overseeing the creation of network infrastructure spanning 30+ miles of road and over 1,000 network-based intelligent transportation systems. Sole designer and developer of a Mobile Enforcement Reader used by Virginia State Police vehicles, incorporating customized hardware and a custom VPN dialer application. Recognized by the Project Director (Capital Beltway Project) for exceptional performance and dedication, resulting in the successful completion of the project. Joseph held various technical roles within the organization, including Hardware & Integration Engineer, requiring in-depth knowledge of roadside electronic toll collection equipment, network engineering, and systems integration. Coordinated the software development and installation of E-Z Pass IAG protocol readers, involving the creation of customized methods and proprietary software tools. Collaborated daily with Civil Architecture and Engineering firms (Fluor) to design, plan, install, and integrate roadside technologies, power systems, gate systems, and communication systems.</p>


Firm AECOM Technical Services, Inc.			
	Adam Skwirsk, AIA, GGP Architecture Manager	Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization		MA/2013/Architecture	
Active Registration Number / State / Expiration Date		99346/FL/02.28.2025	
Year Registered		2018	Discipline Architect
Contract Role(s) / Brief Description of Responsibilities		13. Other Services (Facilities). Adam is experienced in the design of multiple project types and in all aspects of the design process. His design experience includes project conceptual design, programming, verifying code compliance, coordination between disciplines and construction administration. He has been involved in numerous projects of all sizes including industrial, governmental, transportation, and educational facilities. He maintains a high level of professionalism and dedication to the completion of tight deadlines for difficult projects. In addition, he has experience with Building Information Modeling (BIM) technology software.	

Experience Dates	Experience and qualifications relevant to the proposed contract.
10/20 – 02/22	SunTrax Test Facility Entry Road Landscape and Aesthetics, Florida's Turnpike Enterprise, Polk County, FL. Architect. FTE desired a signature entry experience for their new state-of-the-art test facility in Auburndale. Hardscape components included custom entry signing, 30 ft. tall sculpture in the shape of the project's logo, dry-stacked native stone walls, and aesthetic lighting. Design of entry sign, sculpture, and gateway arch was detailed and located strategically along entry boulevard. [FPID: 190778-5-52-23, 437300-5-52—01]. Design completed 2020, currently under construction. Post design services are complete.
02/16 – 05/18	AET Phase 5A Toll Equipment Buildings – Suncoast Parkway, Florida's Turnpike Enterprise, Broward & Palm Beach County, FL. Architect. The work consisted of toll facilities constructed along SR 91 – Mainline and Ramp Gantries. This project replaced all Cash Tolling sections of the road with new Automatic Electronic Tolling (AET) that consisted of the following: removal of existing pavement, gantry structures, equipment building and associated equipment, screen wall, concrete pads associated with equipment, and a standby generator and diesel tank. Specific responsibilities included production of the drawings, coordination between disciplines, assembly of the drawings, cost estimating, all permitting requirements, responding to Requests for Information (RFIs), processing the shop drawings and submittals, and handling revisions as necessary.
05/17 – 03/19	AET Phase 5C Toll Equipment Buildings – Suncoast Parkway, Florida's Turnpike Enterprise, Palm Beach County, FL. Architect. The work consisted of toll facility constructed along SR 91 – Mainline and Ramp Gantries. This project replaced all Cash Tolling sections of the road with new Automatic Electronic Tolling (AET) that consisted of the following: selective demolition of tolling booths and canopies, removal of existing pavement, filling of tunnels, gantry structures, equipment building and associated equipment, screen wall, concrete pads associated with equipment, and a standby generator and diesel tank. Specific responsibilities included production of the drawings, coordination between disciplines, assembly of the drawings, cost estimating, and handling revisions as necessary.
04/16 – 08/18	Corey Causeway Drawbridge Control House Rehabilitation, FDOT District Seven, St. Petersburg, FL. Designer. The Control House shelters all the electrical and mechanical equipment needed to fully operate the drawbridge. In the initial stage of the project each discipline was responsible for performing an assessment inspection of the existing control house. The purpose of the assessment inspection was to determine those elements of the control house and bridge requiring repair as part of a programmed rehabilitation project. The objective of the rehabilitation project was to extend the service life of the control house and bridge approximately 15 years. Upon completing the architectural assessment inspection tasked with developing the plans necessary to rehabilitate the control house. It was determined that the windows, roof, and ceiling were to be replaced along with exterior and interior finishes to extend the service life of the control house.


01/15 – 07/16	<p>Lake Monroe Drawbridge Control House Rehabilitation, Central Florida Rail Corridor, Lake Monroe, FL. Designer. The Lake Monroe Drawbridge is a 1960's era bascule bridge located in the Central Florida Rail Corridor (CFRC). Train traffic along the corridor currently includes Sunrail commuter passenger trains, CSXT freight trains, and Amtrak passenger trains. The scope of construction included demolition and replacement of the electrical and mechanical systems in their entirety. The architectural scope of work consisted of replacing the existing building in its entirety to house the new electrical and mechanical equipment. The new control house was built on the existing first floor concrete slab. Responsible for the Construction Administration for this project as well as responding to Requests for Information (RFIs), processing the shop drawings and submittals, and coordinating with consultants for conflict resolution.</p>
01/15 – 12/16	<p>Punta Gorda Weigh Station, FDOT District One, Punta Gorda, FL. Designer. The project consisted of replacing the existing weigh stations on I-75 southbound and northbound in Charlotte County. The existing buildings were demolished and replaced with a new 1,764-square-foot pre-engineered, prefabricated building located in approximately the same location as the existing. The prefabricated building was built off-site with a portion of the components installed in the field. The work also included the following: relocation of existing utility tie-ins for the new building, sidewalk replacement and repairs, recertification of static scale and testing of ramp Weigh in Motion (WIM) system, and preparation of Maintenance of Traffic (MOT) Plan. Responsible for the Construction Administration, which consisted of responding to Requests for Information (RFIs), processing the shop drawings and submittals, and handling revisions as required.</p>
01/15 – 11/16	<p>Old Town Weigh Station, FDOT District Two, Old Town, FL. Designer/Production. The project consisted of expanding an existing weigh station on US 27 in Dixie County. The existing building was renovated, and an addition was constructed that ties into the existing conditions. The entire project, including renovation and addition, totaled 982 square feet with the addition. Exterior walls of the addition were constructed from concrete masonry units with a brick veneer that matched the existing building, and a storefront system was installed to continue the existing design. A new standing seam metal roof system was tied into the existing metal roof system. Responsible for designing the addition and detailing the connections between the new and existing conditions. The project was produced in BIM modeling program for coordination between architectural and structural disciplines. Other responsibilities consisted of coordination between disciplines and consultants, and Construction Administration, which consisted of responding to Requests for Information (RFIs), processing the shop drawings and submittals, writing specifications, and handling revisions as required.</p>
03/15 – 12/16	<p>Hopewell Weigh Station, FDOT District Seven, Hopewell, FL. Designer/Production. The project consisted of replacing the existing weigh stations on SR 60 in Hillsborough County. The existing buildings were demolished and replaced with a new 949-square-foot pre-engineered, prefabricated building located in approximately the same location as the existing. The prefabricated building was built off-site with a portion of the components installed in the field. The work also included the following: relocation of existing utility tie-ins for the new building, sidewalk replacement and repairs, recertification of static scale and testing of ramp Weigh in Motion (WIM) system, and preparation of Maintenance of Traffic (MOT) Plan. The project was produced in BIM modeling program for coordination between architectural and structural disciplines. Other responsibilities consisted of coordination between disciplines and consultants and Construction Administration, which consisted of responding to Requests for Information (RFIs), processing the shop drawings and submittals, writing specifications, and handling revisions as required.</p>
04/15 – 11/16	<p>Bunnell Weigh Station, FDOT District Five, Bunnell, FL. Designer/Production. The project consisted of replacing the existing weigh stations on Bunnell US 1 in Flagler County. The existing buildings were demolished and replaced with a new 531-square foot pre-engineered, prefabricated building located in approximately the same location as the existing. The prefabricated building was built off-site with a portion of the components installed in the field. The work also included the following: relocation of existing utility tie-ins for the new building, sidewalk replacement and repairs, recertification of static scale and testing of ramp Weigh in Motion (WIM) system, and preparation of Maintenance of Traffic (MOT) Plan. His responsibilities consisted of coordination between disciplines and consultants and Construction Administration, which consisted of responding to Requests for Information (RFIs), processing the shop drawings and submittals, writing specifications, and handling revisions as required.</p>

		Firm AECOM Technical Services, Inc.	
David Weeks, PE Senior Project Manager		Years of Relevant Experience with this Employer	39
		Years of Relevant Experience with Other Employer(s)	3
Degree(s) / Years / Specialization		MBA/1994/Business Admin; BSc/1983/Civil Engineering	
Active Registration Number / State / Expiration Date		101322/TX/03.31.2025	
Year Registered		2008	Discipline Civil Engineer
Contract Role(s) / Brief Description of Responsibilities		13. Other Services (Tolling Studies). <i>David has exceptionally broad experience across the full project life cycle, using innovative contracts and management systems to deliver best value for clients. His project experience includes the planning, development, design, construction, operations and maintenance of highways and bridges, heavy & light rail and streetcar, as well as facilities and buildings. He is a Certified Quality Auditor and has led the implementation and continual improvement of quality systems and processes since 1996.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
03/10 – present	Independent Engineer for LBJ Managed Lanes PPP Project, TxDOT and LBJ Infrastructure Group, Dallas, TX. Project Manager. Oversight of design, construction, operation and maintenance of concession agreement for the IH-635 LBJ Managed Lanes PPP project. The project involved total reconstruction of the existing corridor and the addition of six managed lanes in a dense urban environment, largely within the existing right-of-way, while maintaining traffic flows in excess of 200,000 vpd. Created a design review team and process that successfully reviewed and closed comments on over 25,000 plans within 2 year period, including design calculations, schematic, roadway, bridges and other structures, pavement, drainage, signs, striping, lighting, traffic control, ITS and electronic toll collection systems. Led over 50 third party audits of Developer and DB Contractor to verify contract compliance and drive continual improvement. Identified process improvements and through partnering delivered time savings enabling the project to be substantially completed over three months early.		
09/19 – present	I-75 Segment 3 DBFM, Michigan. Construction Quality Manager. Management of construction QA team, including review of 60%, 90% and RFC submittals, review of shop drawings, co-ordination of as-built plans, document management, QA inspection and QA material testing. Liaison with DB Contractor, Developer and MDOT. Coordination of specialist geotechnical, tunneling and testing consultants. The I-75 Modernization Project includes full reconstruction and improvement of the I-75 main-lanes and service drives for a length of 6 miles and introduces the first HOV lane in Michigan. Flooding is being alleviated through construction of a 4-mile long 14.5ft diameter storage tunnel discharged through a pumping station.		
01/16 – 12/18	CRRMA El Paso Streetcar Construction Oversight. Project Manager. Managed AECOM team providing Engineer of Record duties during construction phase, construction oversight, and contract management of vehicle remanufacture. Subconsultant management during multi-year contract including negotiation of level of effort and change orders.		
03/19 – 01/20	30th Street Station, Philadelphia. Task Leader. P3 rehabilitation of historic station. Led development of contract performance management and payment mechanism exhibits, together with technical provisions for operation and maintenance of station, including management systems. Technical review of RFP documents. Reviewed proponent technical submissions. Participated in one-on-one meetings with proponents and responded to proponent written questions.		

09/16 – 09/18	Ottawa Light Rail Stage 2, Canada. Procurement Project Leader. Team leader and advisor for Trillium Line procurement, including DBFM contract and vehicle supply. Oversight of DMU vehicle specification, and coordination with existing fleet. Review of vehicle manufacturer design submissions. Led RFEI and RFVSO development, including technical liaison for Vehicle Procurement Agreement and Revenue Vehicle Supply Contract. Managed DBFM RFQ process and evaluation, contract development, including Project Agreement, PA schedules and Project Specific Output Specifications. Managed DBFM RFP process, including Commercially Confidential Meetings and Design Presentation Meetings.
06/06 – 08/12	TXDOT PPP Procurement Engineering Contracts, Texas. Program Manager. Led the AECOM team supporting TxDOT in a variety of PPP projects, initiatives and transactions, including the re-negotiation of Toll Equity Loan Agreement (TELA) with North Texas Tollway Authority (NTTA). Role included procurement options, due diligence reviews of studies, construction, maintenance and operation costs, Performance Specifications, RFQ prep, RFP prep, and included assessing the impact of legislation changes on toll collection processes and PPP project performance.
06/11 – 08/12	Procurement of SH 183 Managed Lanes PPP Project Texas. Project Manager. Led development of RFI, industry outreach, and analysis of responses. Managed identification of phased project development, including schematic plans and drainage analysis, using value analysis techniques to reduce potential corridor development cost from \$1.8 billion to \$750 million, and increase revenues by 20%. Led development of procurement documents for RFQ & RFP (DBFOM model).
01/16 – 04/16	Houbolt Road, Illinois. Project Manager. Led team developing PPP concept for crossing of Des Plaines River, to relieve congestion/ environmental impact of truck traffic to CenterPoint Multimodal Park. Procurement advisor for alternative delivery options and task leader for feasibility analysis.
08/01 – 03/03	Carillion-URS Joint Venture, Area 8 Managing Agent Contractor. Area Manager. Led a team of 25 asset management & procurement specialists managing the highway network, including pavement, bridges, earthworks, electrical, soft estate, and depots. Responsible for project initiation and best value procurement of rolling program, inventory management, archiving, shadow inspections, information management and performance measurement. Also responsible for public relations, including community liaison. Led independent quality review of in-house designs.


Firm		Gresham Smith		
	Christina Florez, PE		Years of Relevant Experience with this Employer	8
	Engineering Plans, Specs and Construction Estimates		Years of Relevant Experience with Other Employer(s)	15
Degree(s) / Years / Specialization		BS/2001/Electrical Engineering		
Active Registration Number / State / Expiration Date		PE 38799 / LA / 9.30.2024 PE 65603 / FL / 02.28.2025		
Year Registered		2014 (LA) 2007 (FL)	Discipline	PE Electrical and Computer
Contract Role(s) / Brief Description of Responsibilities		<p>13. Other Services/ITS. Christina will support the Engineering Plans, Specs and Construction Estimates and support the ITS / Systems Engineering Analyses and Technical Support During Construction tasks. Christina has been a senior project manager/electrical engineer on complex ITS projects over the past 23 years. Her experience includes: ITS engineer of record on design-bid-build and design-build projects for multiple DOT clients, integrated corridor management (ICM) planning studies, ITS design and construction support, field inspection and testing, variable-speed-limit (VSL) system design, transportation systems management and operations, systems engineering analyses, incident management system (IMS), and reversible-lane plan development. Her ITS design projects included CCTV, DMS, radar detection, active traffic management, travel time systems, express lanes, communications, and electrical subsystems. Christina has been the Project Manager on various IDIQ and Task Order based contracts in Louisiana and Florida.</p>		
Experience Dates	Experience and qualifications relevant to the proposed contract.			
10/21 – Ongoing	ALDOT, Statewide Regional Traffic Operations Program (RTOP) Program, Statewide, AL. Project Manager. ALDOT's RTOP will improve traffic flow, safety and travel time reliability through active arterial management strategies along multijurisdictional corridors. Gresham Smith is leading a team of consultants and contractors to deliver proactive signal operations and maintenance. As Project Manager, Christina is responsible for leading a team of signal consultants and contractors tasked with elevating the performance of the Birmingham metro-area arterials through active management of signals, maintenance and repair of signal systems and related ITS assets including communications, support for special events and emergencies, data collection and reporting, as well as coordination with ALDOT and local agencies.			
3/20 – Ongoing	TDOT, Traffic Studies, I-24 MOTION Test Bed, Davidson and Rutherford Counties, TN. Lead Technical Advisor. TDOT established a test bed to better understand how vehicle automation and active traffic management impacts real world driving scenarios. Christina designed the communication and power infrastructure for the network. She also helped develop the systems engineering analysis, secured grant funding, designed, and supported the construction of the Test Bed which consisted of 276 cameras that generated 50TB+ of data daily.			
1/19 – Ongoing	LADOTD, ITS CEI Retainer, Lake Charles Phase 3 ITS, CEI, Lake Charles, LA. Project Manager. Gresham Smith is providing Construction Engineering Inspection Services, including a Project Engineer, on-site daily/nightly inspection and technical construction inspection, throughout the course of construction. Christina is responsible for oversight of the entire project.			
2017 – 2020	FDOT D6 - SR 826/Palmetto Expy from E of NW 57th Ave to E of NW 42nd Ave, Miami, FL. Project Manager/ITS EOR. Christina was responsible for project management, ITS design, segment coordination, discipline coordination, and QAQC. The design included CCTV cameras, DMS, arterial DMS, MVDS, and Ramp Signaling, lightning protection, fiber optic communications network and power distribution system with stand-by generator. Responsibilities – Project Management, ITS Engineer of Record			

02/17 – 10/17	LADOTD, ITS Design & Implementation WO#7: Signal Communications Upgrade Phase 1 – Systems Engineering Assessment (SEA), Various Locations, LA. Project Manager. The project consists of modifications and upgrades of the existing infrastructure to provide connectivity to various signals. Christina was responsible for project management, ITS technical support, document development, including Concept of Operations and review, ITS regional architecture review and QA/QC.
09/16 – 9/17	LADOTD, ITS Design, Integration and System Verification Services, WO#3: ATMS.Now Design and Integration, Statewide, LA. Senior ITS Engineer. Seeking to replace the existing obsolete system with a more unified traffic control system, the LADOTD upgraded to Trafficware's ATMS.Now, a central management system that unified the traffic signal systems statewide and allowed more effective and efficient monitoring and control. Christina's responsibilities included ITS technical support, training oversight and document review.
10/10 – 8/17	FDOT D6, ITS Support, Miami, FL. Project Manager. Christina was responsible for coordination, management, and technical support of all engineering services for the on-call contract. The contract included multiple task orders to support FDOT's ITS program, including providing ITS reviews for the SR 826/I-75 Express Lanes, I-75 Segment AB Express Lanes, and I-75 Systems Integrator projects; supporting FDOT's oversight and review of the ITS component plans and specifications of the Port of Miami Tunnel project; updating server room as-builts; and providing support for contract negotiations on various projects, including Okeechobee Road design and Palmetto Express design projects.
12/15 – 3/17	MetroPlan Orlando - 2016 - 03 ITS Master Plan, Orlando, FL. Project Manager, Senior Engineer. Responsible for the development of the ITS Master Plan that included determination of the ITS Vision, Goals and Objectives, review and documenting the existing conditions, infrastructure and inventory, identifying ITS needs, identifying applicable ITS strategies, review of the regional ITS architecture, development of the Concept of Operations, and prioritization of the ITS Master Plan. Christina's responsibilities included project management, ITS technical support, development of ITS needs, and applicable ITS strategies, and development of concept of operations.
9/15 – 9/16	Broward County MPO, Integrated Corridor Management (ICM) Planning Study, Broward County, FL. Project Manager/Senior ITS Engineer. Responsible for the development of project documents, including concept of operations, high level system requirements and implementation plan; coordination with various stakeholders and facilitation of multiple workshops. The project consisted of developing a ConOps, a high-level ICM requirements report, and an implementation plan for designing, constructing, integrating, operating, and maintaining the ICM system components with the sole purpose of improving the efficiency of the multimodal transportation system along the I-95 corridor.
2009 – 2016	FDOT D6 - Section 5 - SR 826 and SR 836 Interchange Reconstruction Design-Build, Miami-Dade County, FL. Project Manager/ITS EOR. Responsible for systems engineering management documentation, development of the ITS master plan, project design, development of test plans, report preparation and post-design services. The design-build project includes the design, installation and upgrade of ITS components and subsystems, including fiber-optic and wireless communications, 30 CCTV cameras, 41 microwave detectors, six freeway DMSs and 18 arterial DMSs along both SR 826 and SR 836 and two separate power distribution systems. Responsibilities – Project Management, ITS Engineer of Record, Test Plans Development, Master Plan Development, SEA Document Development, Post-Design
2006	FDOT D4 - Districtwide ITS Consultant - Pompano Beach Parking Monitoring System, Broward County, FL. ITS Engineer Intern. Responsible for assisting in the development of the parking monitoring system for the Pompano Beach park-and-ride lot as part of the districtwide contract. This system included the installation of driveway detectors, CCTV cameras, power, and wireless communications and development of software. Responsibilities – ITS Technical Support

	Firm	Vectura Consulting Services, LLC		
Kristen Farrington, PE, PTOE, RSP₁		Years of Relevant Experience with this Employer	2	
Engineer		Years of Relevant Experience with Other Employer(s)	7	
Degree(s) / Years / Specialization		BS/2013/Civil Engineering		
Active Registration Number / State / Expiration Date		PE.0042074 / LA / 3.31.2025		
Year Registered		2018	Discipline	Civil Engineering
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis and Reports (Traffic Safety) 13. Other Services (ITS) <i>Kristin is a Project Engineer for signal and ITS design / inspection and NEPA specialist.</i>		


Experience Dates	Experience and qualifications relevant to the proposed contract.
04/21 - current	CP No. 16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project, Baton Rouge, LA. Kristen a project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street and US 190 (Florida Street). Kristen assisted the prime consultant with the safety analysis as well.
08/21 – 04/22	H.013267 Downtown to Scotlandville Parkway Trail Safety Enhancement Study, Baton Rouge, LA. Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.
02/20 – 09/21	MOVEBR College Drive Enhancement Project, Baton Rouge, LA. Kristen assisted with the data collection task of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
6/19 - 2/21	H.013459 US 167 Improvements Stage 0 Elsie Street to Gilbert Street, St. Landry Parish, LA. Kristen served as project manager for a Stage 0 study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared, as well as a benefit-cost analysis of all improvements considered. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. Designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
6/19 - 2/21	H.013460 US 167 Improvements Stage 0 Enola Street to Ross Road, Evangeline Parish, LA. Kristen served as project manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Civil Engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. Designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.

04/19 – 6/21	H.013817.1 LA 117 Improvements Stage 0, Vernon and Natchitoches Parishes, LA. Kristen served as project engineer responsible for a Stage 0 study for 18 miles of two-lane LA 117 from LA 8 to LA 118. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.
03/19 – 11/19	H.012311 LA 429 Connector Stage 0, Ascension Parish, LA. Kristen was the task leader for the preparation of a Stage 0 study to evaluate alignments for a limited-access corridor (LA 429) near I-10, between LA 30, LA 73, and US 61. Two alternatives for the widening and reconstruction of LA 429 were evaluated. The scope consisted of stakeholder and public meetings, site visits and data collection, phasing of alternative development for the corridor, scope and budget checklists, and an opinion of probable cost to prepare the Stage 0 Report. Kristen served as the civil engineer responsible for designing high level concept exhibits and comparison matrix to determine the best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	H.013322 LA 3040 Feasibility / Safety Study Stage 0, Houma, LA. Kristen served as project engineer for a study to identify safety and operational issues along 2.5 miles of Martin Luther King Boulevard (LA 3040) in Houma, LA to evaluate reasonable alternatives to address any deficiencies discovered. Kristen was responsible for compiling a data collection plan for submittal to DOTD, including count locations, determined peak periods, and peak hours. Kristen performed peak period observations in the field and geometric field checks, as well as unmet demand observations and calculations. Kristen prepared TMC figures, as well as performed existing analysis in Vistro. Compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 – 04/19	H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, LA. Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps. Close coordination with traffic engineer ensured maximum improvement of safety and operations given limited right-of-way and utility conflicts along the corridors.
09/17 – 09/18	H.011160 LA 73 Corridor Study Stage 0 LA 74 to LA 621, Ascension Parish, LA. Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.
11/16 – 07/17	H.001271 Cane River Bridge Church Street Route LA 1-X Environmental Assessment. Kristen was the project engineer responsible for assisting with the site visits, data organization, analysis of permanent alternatives and traffic control alternatives, and traffic report to aid in the delivery of an environmental assessment for the Cane River Bridge Replacement

 Firm Vectura Consulting Services, LLC		Reece Rodrigue, PE, PTOE, RSP₁ Engineer		Years of Relevant Experience with this Employer	4
				Years of Relevant Experience with Other Employer(s)	7
Degree(s) / Years / Specialization		BS/2013/Civil Engineering			
Active Registration Number / State / Expiration Date		PE.0042074 / LA / 3.31.2026			
Year Registered		2017	Discipline	Civil Engineer	
Contract Role(s) / Brief Description of Responsibilities		5. Traffic Engineering and Design - Analysis and Reports (Traffic Safety); 5. Traffic Engineering and Design - Plan Development(Signal Design); 13. Other Services (ITS). <i>Reece is a project engineer for signal and ITS design/inspection.</i>			

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

09/20 – 12/21	H.011909.5-4 Roundabout: US 171 at Boone St., Vernon Parish. Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone St. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 – 12/21	H.010960.5 LA 30 Roundabouts at Tanger I-10, Ascension Parish. Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21 – 12/21	Emergency Street Light and Traffic Sign Assessment, New Orleans, LA. In response to the damage caused by Hurricane Ida, Reece inspected streetlights and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by 2 miles area in the City of New Orleans.
02/20 – 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA. Reece was the task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian / bicycle counts, and weaving counts.
07/19 – 12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA. Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	H.005733.5 US 190 Superstreet Task Order, St. Tammany Parish. Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CAD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 – 11/17	Ochsner Main Campus Traffic Signals, Jefferson Parish. Reece served as a design engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Hwy). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of DOTD's latest version of the TSI format. He was responsible for estimating construction quantities using DOTD's 2016 Spec Item list.
10/16 – 05/17	Loyola Interchange Modification Request, Kenner, LA. Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Dr. Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.
02/15 – 12/15	H.011646 Retainer Contract for DOTD District 02 Traffic Signal Inventories - Nola 3. Reece served as the lead engineer in the production of the traffic study for the District 02 Traffic Signal Inventories. The objective was to effectively correct the progression of traffic through the US 90 (Broad St) corridor. He reviewed vehicle crash data at all intersections in the study scope. He conducted travel time runs. He created a model with existing traffic signal timing information using Synchro 8 Software. He recommended traffic signal pedestrian clearance times and yellow and red clearance times for each intersection. He used MicroStation V8i when designing traffic signal plans in DOTD's TSI format.

Firm		Vectura Consulting Services, LLC	
	Ronald St. Angelo		Years of Relevant Experience with this Employer
	Senior Technician		Years of Relevant Experience with Other Employer(s)
Degree(s) / Years / Specialization		High School Diploma / 1975	
Active Registration Number / State / Expiration Date		NA	
Year Registered		NA	Discipline NA
Contract Role(s) / Brief Description of Responsibilities		10. Bridge Design (Electrical Road Lighting); 12. Construction Support Services; 13. Other Services (ITS). <i>Ronald is a Senior-level Construction Specialist for traffic signals, lighting, and ITS.</i>	
Experience Dates	Experience and qualifications relevant to the proposed contract.		
02/03 – 04/23	Jack B Harper Electrical, LLC, Walker, LA. Ronnie specialized in programming traffic signal controls / ITS equipment and troubleshooting construction issues in the field such as utility conflicts and traffic signal issues. He was a project manager for numerous traffic signal related projects and oversaw a team of field technicians for signal related construction projects. He was an estimator for bidding traffic signal / ITS equipment projects. Ronnie worked extensively throughout the state of Louisiana on hundreds of local, state, and federally funded traffic signal / ITS projects, to include major metropolitan areas, such as Greater New Orleans, Baton Rouge, and Lafayette. During this time, Ronnie worked on projects that built intersections from the ground up, to include base / signal installation, signal control electrical installation, and signal termination. Ronnie read and interpreted construction plans to ensure proper installation requirements were met for span wire and mast arm installation. Extensive experience in installing all forms of traffic signals during all construction phases. He also assisted site inspectors with confirming mast arm foundation locations; electrical inspection / reporting; drawing reviews; change requests; and verifying controller data collection and timing checks.		
07/75 – 01/03	East Baton Rouge Traffic Engineering Division. Ronnie was a certified IMSA Level 1 & 2 Technician while employed at the City of Baton Rouge. Ronnie performed numerous construction tasks in relation to traffic signals within East Baton Rouge Parish. Construction included traffic signal poles, signal heads, signal wiring, vehicle detection, traffic signal controller / cabinet power service. In the earlier part of his career, the traffic signal controllers consisted of mechanical parts. As time progressed, the controller evolved to steady-state technology. In addition, Ronnie performed traffic signal tasks related to maintenance after damage from collisions or extreme weather. While employed in the city, Ronnie was tasked with maintaining over 300 signals that included DOTD intersections. Ronnie started his career at the City of Baton Rouge as a Technician, then Traffic Signal Technician, then Foreman and finally a supervisor. Ronnie was also responsible for programming traffic signal controllers while at the City.		

Section 17

General Engineering Services (GEC) for Interstate 10 and Country Club Road TI; and Interstate 10 and Kino Parkway TI, Tucson, AZ

AECOM is providing General Engineering Consultant (GEC) services for a design-build project for the Arizona Department of Transportation (ADOT). The project involves the reconstruction of I-10 and improvements at Kino Parkway.

This project is part of a larger I-10 corridor improvement project that will be implemented in phases. As it is considered a Major Project per Federal Highway Administration (FHWA) guidelines, it will require a Project Management Plan, Financial Management Plan, and other FHWA coordination.



17. Firm Experience:				
Firm Name	AECOM Technical Services, Inc. (AECOM)		Past Performance Evaluation Discipline(s)	Road, Bridge, Traffic, Geotech, ITS, Other (Lighting)
Project Name	On Demand GEC for Design-Build Projects		Firm Responsibility	Prime
Project Number	NA	Owner's Name	Michigan Department of Transportation	
Project Location	Statewide, MI	Owner's Project Manager	Ryan Mitchell	
Owner's Address, Phone, Email	425 West Ottawa Street, Lansing, Michigan 48933 • 517.615.7025 • mitchellr13@michigan.gov			
Services Commenced by This Firm	2009	Total Consultant Contract Cost (\$1,000's)	\$700,000 Construction	
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm (\$1,000's)	\$40,000 AECOM Fee	

AECOM has successfully assisted MDOT with administering and delivering its Innovative Contracting Program continuously for nearly 15 years. AECOM was selected as one of four firms to provide GEC services for innovative contracting when the design-build program initially began in 2009 and has been assisting with the program since.

The AECOM team has provided and continues to provide preliminary design, risk management, development of contract documents, and other services associated with delivering innovative contracts for MDOT through five different selection periods. Procurement services have also included contract structure investigation, cost estimating, risk assessments, Alternative Technical Concept (ATC) reviews, facilitating meetings and developing scoring criteria. Implementation services have included the review of the Design-Builders' design, submittal management, change order review and project coordination. AECOM also assisted with developing MDOT's first public-private-partnership (P3) for the design-build-finance-operate-maintain (DBFOM) of the Metro Region's Freeway Lighting P3.

Our past performance has demonstrated our ability to deliver multiple design-build projects at the same time utilizing our Michigan employees and procurement staff across the nation. Our national experts have been utilized in various ways, from our procurement specialists supporting to successfully deliver the Metro Region Freeway Lighting P3, to more current projects like the I-94/US-127 design-build project in Jackson County where we first utilized our risk management team to evaluate and maintain risk registers, develop shadow bids, and prepare detailed critical path method (CPM) contract time determination schedules.

AECOM has a wealth of knowledge and lessons learned from providing these services. These projects have included the largest and most complex projects delivered as part of MDOT's program, including a new freeway (US-31 extension), MDOT's first diverging diamond interchange (Auburn Hills-University Drive), MDOT's bridge bundling program, and MDOT's first Public-Private-Partnership (P3) contract for freeway lighting. In 2024, AECOM was again selected as one of four GECs and is currently managing 9 projects under this contract (I-94 in Jackson, Detroit New Center Intermodal Facility, Blue Water Bridge (International Crossing) Plaza Expansion/Configuration, and US-131, Pump Stations (142) Auxiliary Power Supply.

▶ **AECOM has executed more than 60 work orders since 2009.**



Relevance to DOTD



- ▶ Design-build projects
- ▶ GEC program for DOT
- ▶ Risk management
- ▶ Contract documents
- ▶ ATC reviews
- ▶ Submittal management
- ▶ Multiple concurrent projects

Team Members: Charlie Stein

Firm Name	AECOM Technical Services, Inc. (AECOM)		Past Performance Evaluation Discipline(s)	Road, Bridge, Traffic, Geotech, Planning
Project Name	BA-0153 Mid-Barataria Sediment Diversion Project: LA 23 Realignment and Bridge CMAR		Firm Responsibility	Prime
Project Number	BA-0153	Owner's Name	Coastal Protection and Restoration Authority, State of Louisiana	
Project Location	Plaquemines Parish, LA	Owner's Project Manager	Brad Barth, PE	
Owner's Address, Phone, Email	150 Terrace Avenue, Baton Rouge, LA 70802 • 225.342.7308 • bradley.barth@la.gov			
Services Commenced by This Firm	2017	Total Consultant Contract Cost (\$1,000's)		\$1,900,000 (construction)
Services Completed by This Firm	2030 (est)	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$52,000 AECOM Fee

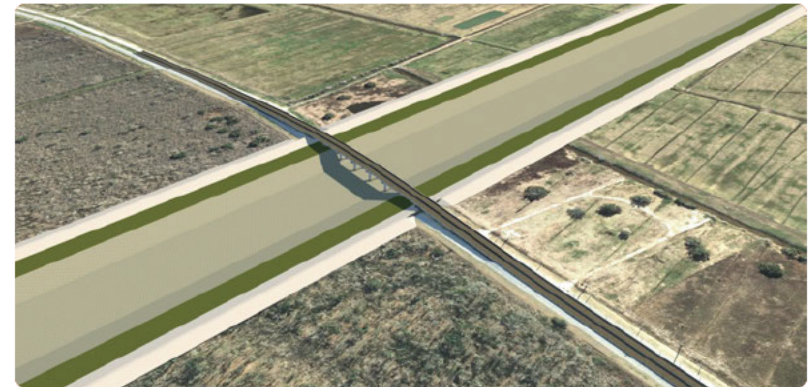
AECOM was the project engineer and lead designer for the \$3 Billion Construction Management at Risk (CMAR) project to build a 75,000 cfs sediment diversion channel between the Mississippi River and Barataria Bay in Plaquemines Parish near the community of Ironton. Proposed improvements included an approximately 1 mile realignment of LA Highway 23 and a new bridge crossing across the diversion channel.

The four-lane realigned highway includes a new 2,304-foot-long prestressed concrete girder bridge structure constructed west of the current highway right-of-way. The bridge consists of eighteen 128 foot long spans. Two-way, two-lane frontage roads utilizing portions of the existing highway will be constructed within the limits of the bridge structure to maintain access to the adjacent properties and provide access to the operations compound. An inverted siphon will be constructed to reconnect the inland drainage areas that are separated by the diversion channel.

AECOM was/is responsible for the planning, preliminary design, and final design of the bridge and its approaches along with roadway modifications, highway drainage modifications, and traffic control plans during the construction of the bridge, which included accommodations for hurricane evacuation if needed during construction. AECOM also performed a traffic analysis for inclusion into the Environmental Impact Statement and Basis of Design report.

The construction phase began in 2023 with an estimated completion date is 2030. The bridge construction and roadway realignment are expected to be completed in 2026. These features have not started being constructed.

▶ ***This project is considered the State of Louisiana's largest Coastal Restoration project.***



Relevance to DOTD



- ▶ Alternate delivery
- ▶ Roadway engineering
- ▶ Bridge engineering
- ▶ Traffic control
- ▶ Hydrology and hydraulics
- ▶ Drainage
- ▶ Levees
- ▶ Structural flood protection

Team Members: Daniel Boyd, Jonathan McDowell, Greg Trahan, Sreeni Bollu, Pat Hays, Stephen McCullough, John Volk, Jason Zimpfer

Firm Name	AECOM Technical Services, Inc. (AECOM)		Past Performance Evaluation Discipline(s)	Road, Traffic, Environmental, Planning, Geotech, Right-of-Way
Project Name	Mobility35 General Engineering Consultant		Firm Responsibility	Prime
Project Number	NA	Owner's Name	Texas Department of Transportation (TxDOT) Austin District	
Project Location	Austin, TX	Owner's Project Manager	Susan Fraser	
Owner's Address, Phone, Email	7901 N. I-35, Austin, TX 78753 • 512.832.7280 • susan.fraser@txdot.gov			
Services Commenced by This Firm	2017	Total Consultant Contract Cost (\$1,000's)	\$5,000,000 (construction)	
Services Completed by This Firm	2020	Cost of Consultant Services Provided by This Firm (\$1,000's)	\$20,000 AECOM Fee	

TxDOT Austin District retained AECOM to serve as its General Engineering Consultant (GEC) for the TxDOT Mobility35 Program for 27 miles of I-35 between RM 1431 and SH 45SE, under a 3-year, \$20 million contract. This program consisted of multiple stand-alone and comprehensive roadway improvement projects along the I-35 corridor in the Austin metropolitan area, including increased roadway capacity, safety improvements, and bicycle and pedestrian facilities via implementation of a shared-use path.

AECOM had approximately 10 on-site staff co-located at the TxDOT Austin District office and a total of 25 additional off-site staff involved with the Mobility35 Program over three years. AECOM's multi-disciplinary team performed conceptual design, feasibility studies, preliminary engineering, final design, and construction phase services, including program and project management; roadway schematic design; bicycle and pedestrian design, coordination, and review; shared-use path design; Vision Zero initiative support; site development review; bid package creation and review; public involvement and community engagement; environmental studies and review; utility and ROW coordination and design; traffic engineering studies and design; ITS and emerging technology; traffic simulation modeling (HCS/VISSIM/SYNCHRO); and structural and drainage design.

Highlights from the stand-alone assignments are highlighted below:

Mobility35 Transportation Management and Operations (TSMO) Data Aggregation and Analysis System:

AECOM developed a TSMO dashboard based on the ArcGIS online platform to integrate multiple databases, calculate customizable performance metrics, visualize data in real time, and help the Austin District monitor incidents and work zone activities and evaluate the effects of a closure or incident on I-35.

Capital Express Central Design Charrette: AECOM planned, prepared, and facilitated a week-long multi-agency design charrette for the Capital Express Central project hosted by the Austin District. Attendees included more than 60 representatives from the Austin Transportation Department, CapMetro, the Central Texas Regional Mobility Authority, Federal Highway Administration (FHWA), Capital Area Metropolitan Planning Organization, and Downtown Austin Alliance. As follow-up to the event, AECOM prepared a Design Charrette Report that documented the recommendations and stakeholder requests from the event.

Client Feedback: "I cannot think of an example where AECOM submitted a sub-par product. Their on-site team is impressive in the technical level at which they are operating." "On-site team is on top of program. All AECOM team members that I am aware of are working at the highest levels."

Team Members: John Song, Bob Edelstein, Anthony Holder



Relevance to DOTD

- Planning
- Alternative analysis
- PS&E design management
- Hydrology & hydraulic analysis
- Traffic analysis
- Environmental
- Public and stakeholder involvement
- Utilities
- Geotechnical

Firm Name	AECOM Technical Services, Inc. (AECOM)		Past Performance Evaluation Discipline(s)	Road, Bridge, Traffic
Project Name	Southeast Connector Design-Build Project		Firm Responsibility	Lead Design
Project Number	NA	Owner's Name	Texas Department of Transportation, Fort Worth District (TxDOT)	
Project Location	Tarrant County, TX	Owner's Project Manager	Justin Thomey	
Owner's Address, Phone, Email	2501 SW Loop 820, Fort Worth, TX 76133 • 817.371.4106 • justin.thomey@txdot.gov			
Services Commenced by This Firm	2020	Total Consultant Contract Cost (\$1,000's)		\$85,695
Services Completed by This Firm	2024	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$38,000 AECOM Fee

AECOM is serving as lead design firm for the Southeast Connector Design-Build Project.

In this role, AECOM is working with Kiewit Engineering Group, Inc. to support South-Point Constructors, a fully integrated joint venture between Kiewit Infrastructure South Co. and Austin Bridge & Road, LP. The nearly \$1.6 billion Southeast Connector project consists of the design, construction, and maintenance of approximately 16 miles of non-tolled freeways, frontages, and local access roads in the Fort Worth area at interchanges I-820, I-20, and US 287. Once delivered, the design-build project is anticipated to improve overall mobility, operational efficiency, accessibility, safety, and emergency response within the city limits.

The Southeast Connector corridor is a highly utilized freeway that services the Dallas-Fort Worth Metroplex. The project is a total reconstruction of I-20, I-820 and US 287. This reconstruction is necessary as this location represents some of the highest accident rates in the Metroplex area. AECOM also leads the maintenance of traffic design on the project. AECOM is developing a design that will minimize the number to traffic switches while maximizing the available construction area.

This is considered the largest investment in transportation infrastructure for the TxDOT Fort Worth district. AECOM's design scope includes:

I-20 from Forest Hill Drive to Little Road: The construction of one additional general-purpose lane ("GPL"), plus four-lane collector-distributors in each direction, the reconstruction and realignment of existing GPLs, frontage roads, US 287/I-20 interchange, on- and off-ramps, and transition work.

I-820 from I-20 to Ramey Avenue: The construction of two additional GPLs, plus one additional frontage road lane in each direction, the re-construction and realignment of existing GPLs, frontage roads, I-20/I-820 interchange, and transition work.

For US 287 from Village Creek Road to Sublett Road: One additional GPL in each direction, the reconstruction and realignment of existing GPLs, frontage roads, US 287/I-820 interchange, on- and off-ramps, and transition work.

▶ **This project is considered the largest ever investment in transportation infrastructure for the TxDOT Fort Worth district.**



Relevance to DOTD

- ▶ Major design-build project
- ▶ Complex MOT
- ▶ Heavily congested roadway
- ▶ Mobility and safety
- ▶ Operational efficiency



Team Members: David Wymore, Matt Gunn, Rollin Ewart, Stephen McCullough

Firm Name	AECOM Technical Services, Inc. (AECOM)		Past Performance Evaluation Discipline(s)	Environmental, Road, Planning, Bridge
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, LA	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	2015	Total Consultant Contract Cost (\$1,000's)		\$32,000
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$11,300 AECOM Fee

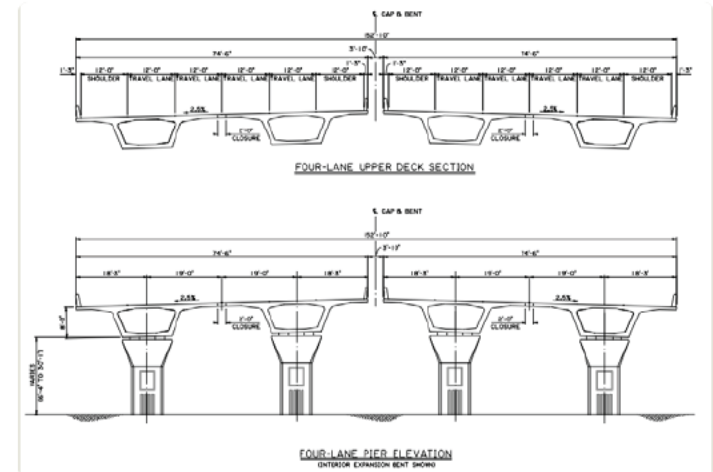
The 5.5-mile I-49 Lafayette Connector project is one of the largest undertaken by the DOTD with an estimated construction cost of \$2.2B. The project consists of upgrading US 90/US 167 corridor with a controlled access facility from I-10 to the Lafayette Regional Airport with improvements to the surface roads and Evangeline Thruway to provide cross mobility throughout the corridor. The project includes traffic analysis, roadway and structural design, associated survey and SUE investigation, Context Sensitive Solutions (CSS), extensive public information and outreach, and the preparation of a Supplemental Environmental Impact Statement (SEIS).

AECOM staff has led all structural design work. To evaluate the three mainline viaduct alternatives, AECOM developed a bridge evaluation scoring matrix that investigated total costs, maintenance of traffic impacts and bridge aesthetics criteria for each alternative. Numerical criteria scoring and weighing factors were assigned as part of a quantitative approach for each alternative to identifying a preferred structure. Total costs developed considered both initial construction and long-term maintenance costs. The I-49 connector project will transform the urban environment of this community for many years to come. Signature feature bridge options have been developed for this project in order to highlight the importance of the downtown area to travelers along mainline I-49.

With one of the most complex NEPA processes in the State, AECOM was selected to obtain approvals and permits and to cultivate agreement and support on the preferred alternative. AECOM has drafted the draft SEIS and has nearly completed the cultural resources, including a Section 106 consultation process, noise and air analysis, wetlands, T&E, other natural resource impact analyses, environmental justice, visual analysis, relocation planning, and railroad coordination.

The key to project success is the CSS program that has been employed to allow neighborhood-level decisions on column design, structure types, and signature features. The CSS process has also extensively explored the various connections under the elevated structure and/or over it.

As the design and draft SEIS have both advanced considerably, DOTD is considering how to advance parts of the project now. In support, AECOM and Stantec have helped develop design packages, NEPA re-evaluations, and plans to advance two different interchanges, one of which may be delivered by a design-build team.



Relevance to DOTD

- DOTD project
- Alternatives evaluation
- Bridge design (elevated structure)
- Interchange design (multi- and single level)
- Complex NEPA and permitting
- Multimodal design
- Public involvement

Team Members: Derek Chisholm, Louis Costa, Tom Hunter, Jonathan Martinez, Jonathan McDowell, Ken Butler, Gary Maji, Daniel Boyd, Gregory Trahan

Firm Name	Ardaman & Associates, Inc. (Ardaman)		Past Performance Evaluation Discipline(s)	Geotech
Project Name	I-10: LA 415 to Essen Lane on I-10 & I-12 (CMAR)		Firm Responsibility	Subconsultant
Project Number	SP No. H.004100.5	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	East Baton Rouge Parish, LA	Owner's Project Manager	Nicholas Olivier	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802-4438 • 225.242.4504 • nicholas.olivier@la.gov			
Services Commenced by This Firm	2015	Total Consultant Contract Cost (\$1,000's)		\$20,800
Services Completed by This Firm	2018	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$62

The Construction Management at Risk (CMAR) project scope consists of widening of the east and westbound lanes, elevated structures, interchanges, and ramps along I-10 from LA 415 in West Baton Rouge Parish to Essen Lane on I-10 and I-12 in East Baton Rouge Parish, spanning approximately 2.5 miles. Ardaman is the geotechnical consultant on the CMAR team and is currently providing geotechnical support for Segment 1, which starts near the I-10 and I-110 split between Napoleon and St Joseph Streets to the Acadian Thruway entrance and exit ramps.

Ardaman previously completed 58 soil borings and associated laboratory testing based on DOTD standards and 11 electronic cone penetration tests (ECPT) in the preliminary portion of the widening project between Napoleon Street and Louise Street under our current retainer contract in support of the project. In addition, Ardaman performed geophysical surveys along the entire alignment, which allowed for survey of the subsurface conditions between the boring locations. Ardaman is currently performing 37 additional soil borings along Segment 1 to supplement existing data along the alignment.

Engineering services include supervision of the field program, development of the laboratory testing program, quality control review, and development of an interactive geotechnical database to compile and analyze all supplied soil boring data provide by DOTD and additional borings that are currently being performed. The engineering analyses consists of detailed selections of design reaches and design soil parameters, slope stability and settlement of earth retained structures, soil-structure interaction with existing structures, deep foundation design, and load testing recommendations. A preliminary geotechnical assessment report was prepared and a final geotechnical design report was submitted.



Relevance to DOTD

- DOTD project
- Alternative delivery
- Geotechnical
- Laboratory testing
- QC review



Team Members: Robert Jewell, Megan Bourgeois, Jarmon King, Robert Rousset, Chandler Willis, Donald Anthony, Casey Floyd, Chae Hrenyk

Firm Name	Ardaman & Associates, Inc. (Ardaman)		Past Performance Evaluation Discipline(s)	Geotech
Project Name	I-20 Mississippi River Bridge Review		Firm Responsibility	Prime
Project Number	SP No. H.004646 09-L1049 H.010603.6 13-3720 H.010612.6 20-3729	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Madison Parish, LA	Owner's Project Manager	Chris Nickel	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802-4438 • 225.242.4504 • chris.nickel@la.gov			
Services Commenced by This Firm	2015	Total Consultant Contract Cost (\$1,000's)		\$7,326
Services Completed by This Firm	2018	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$7,326

Ardaman conducted a geotechnical study to develop a list of technically feasible remedial alternatives to decrease the potential for ground movements to occur at the site of the I-20 Bridge. Movement of the east abutment of the bridge was first realized in 2001 during an inspection. Over the years Mississippi DOT has retained several consultants who have studied the problem, but no viable solution was identified.



Ardaman conducted a comprehensive review of past slope stability evaluations and recommendations. This task was followed by developing a refined geotechnical site characterization plan for the bank/bluff area for further analyses. Drilling operations included obtaining very sensitive samples containing prehistoric shear planes from the river via barge and on land, all with extremely difficult access conditions. The drilling program also included installation of geotechnical instrumentation, such as shape accelerator arrays, inclinometers, and vibrating wire piezometers. Engineering analyses performed included seepage and drawdown analyses and both equilibrium and finite element numerical modeling slope stability analyses.



Relevance to DOTD

- DOTD project
- Geotechnical study
- Slope stabilization design
- Construction remediation strategy
- Survey

As part of the project, Ardaman developed a full slope stabilization design and construction remediation strategy and a monitoring program for the bluff instability and ground movements affecting the existing I-20 Mississippi River Bridge.

Ardaman is currently managing a phase of the project that involves upgrading the entire instrumentation communication system. It also includes gathering and continuously monitoring various types of instrumentation data, inspections of the site, and monitoring changes in topography by obtaining periodic survey data.

Team Members: Megan Bourgeois, Robert Jewell, Robert Rousset, Jarmon King, Chandler Willis, Donald Anthony, Casey Floyd, Chae Hrenyk

Firm Name	C.H. Fenstermaker & Associates (Fenstermaker)		Past Performance Evaluation Discipline(s)	Road and Survey
Project Name	US (I-49 South) Design Build – Albertson Parkway to Ambassador Caffery		Firm Responsibility	Subconsultant
Project Number	H.010620	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Lafayette Parish, LA	Owner's Project Manager	Peggy Jo Paine, PE	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802-4438 • 337.475.4287 • peggy.paine@la.gov			
Services Commenced by This Firm	2012	Total Consultant Contract Cost (\$1,000's)		\$4,939
Services Completed by This Firm	2019	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$3,082

US 90 (I-49 SOUTH) was a \$69.4 million award-winning construction project to widen U.S. Highway 90 from four lanes to a six lanes and a control-of-access facility designed to interstate standards.

Fenstermaker was the lead design firm through a joint venture with James Construction Group (Primoris) for this high-profile, design-build project. The design included geometric improvements to several miles of frontage roads; construction of a grade separated, six-lane overpass structure over the existing BNSF railroad facility; a grade separated, six-lane overpass interchange over Albertson Parkway; associated mainline entry/exit ramps to connect overpass structures and frontage roads; new signalized intersections; intersection design; mechanically stabilized earth retaining walls (MSEW); and drainage structures.



Fenstermaker's survey team was responsible for managing all topographic surveying provided by the roadway improvements subconsultant. Fenstermaker's survey group also performed quality control reviews on survey work completed by CD&C and reviewed DOTD right-of-way maps.

▶ **This project received the ACEC-L 2019 Grand Award in Transportation Category by ACEC-L* | *ACEC-L 2019 People's Choice Award.**



Relevance to DOTD

- ▶ DOTD project
- ▶ Design-build project
- ▶ Topographic survey
- ▶ Quality control reviews



Team Members: Travis Bodin, Bradford Millett

Firm Name	Coastal Environments, Inc. (CEI)		Past Performance Evaluation Discipline(s)	Environmental
Project Name	I-10 Calcasieu River Bridge		Firm Responsibility	Subconsultant
Project Number	H.003931	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Lake Charles, LA	Owner's Project Manager	Joachim Umeozulu	
Owner's Address, Phone, Email	1201 Capitol Access Rd., Baton Rouge, LA 70802 • 225.379.1386 • joachim.umeozulu@la.gov			
Services Commenced by This Firm	2004	Total Consultant Contract Cost (\$1,000's)		\$300
Services Completed by This Firm	2022	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$300

CEI, conducted a Phase I Cultural Resources Survey and Phase II Archaeological Testing for the proposed I-10 Calcasieu River Bridge Project. The investigations were conducted sporadically over a period of 17 years between 2004 and 2022, as the project was put on hold several times.

An archaeological survey was conducted within the direct Area of Potential Effect (APE). A total of nine new archaeological sites were encountered, but none are eligible for the National Register of Historic Places (NRHP). Phase II archaeological testing was conducted at the Norris Point site, and it was determined eligible for the NRHP. A total of 1,701 structures were examined as part of the architectural survey that was conducted within the indirect APE. Two resources, the Calcasieu River Bridge and the U.S. 90 Overpass over I-10 at Westlake were previously determined eligible for listing on the NRHP and were subject to the 2017 Programmatic Agreement Regarding Management of Historic Bridges in Louisiana. Of the remaining 1,699 resources, 366 are located within the Lake Charles National Register Historic District (NRHD) and 115 are located within the local Charpentier Historical District. Nine are listed as individual NRHP properties and five are locally recognized as Calcasieu Historic Preservation Society landmarks. CEI recommended five resources as eligible for listing in the NRHP as individual properties and one group of five resources as an NRHD. These resources were determined eligible. An additional four properties were recommended as potentially eligible for the NRHP with more research. Sara Hahn served as the project archaeologist and architectural historian for the project. David Kelley served as the Principal Investigator.

CEI also conducted several Environmental Assessment Phase I investigations over a 17-yr period and prepared several draft ESA I documents, as well as the final ESA I document in 2022. Ed Fike, environmental professional conducted the ESA-I investigations. Karen Wicker served as the project supervisor, making technical edits to the final document and responding to comments from DOTD and HNTB, the prime contractor, after Ed retired from CEI toward the end of the project.

Team Members: Karen Wicker, Sara Hahn, David Kelley



Relevance to DOTD

- DOTD project
- Cultural resources surveys
- Archaeological testing of historic bridges
- Environmental assessments



Firm Name	Coastal Environments, Inc. (CEI)		Past Performance Evaluation Discipline(s)	Environmental
Project Name	I-10 / Loyola Interchange Improvement Environmental Assessment		Firm Responsibility	Subconsultant
Project Number	H.009214.1	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Jefferson Parish, LA	Owner's Project Manager	Li Yang	
Owner's Address, Phone, Email	1201 Capitol Access Rd., Baton Rouge, LA 70802 • 225.379.1456 • li.yangu@la.gov			
Services Commenced by This Firm	2016	Total Consultant Contract Cost (\$1,000's)		\$2,537
Services Completed by This Firm	2019	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$50

Under subcontract to Urban Systems, Inc. (USI), CEI contributed to the review of alternate alignments for I-10/Loyola Avenue Interchange, which was to replace the existing I-10 interchange to connect to the new passenger terminal at Louis Armstrong New Orleans International Airport, as well as future local traffic needs in Kenner, LA.

The project team traffic engineers developed 18 alternates, including the no-build alternative. CEI prepared the initial Tier 1 screening spreadsheet that was used by the project team. Using Google Earth to zoom in on each alternative, the spreadsheet facilitated individual desktop assessments of impacts on environmental and social factors potentially relevant to each project alternative. Three build alternatives were selected for further review and a single polygon containing all three alternative corridors was investigated for (1) potential, abandoned hazardous and solid waste sites; (2) active hazardous waste generators; (3) facilities that treat, store, and/or dispose of hazardous wastes; and (4) underground and aboveground storage tanks. Descriptive information on each site was presented in a spreadsheet and locations depicted on a map. The ESA-I findings were summarized and a map of identified sites were included in the EA.

Deliverables included: (1) draft Tier 1 screening spreadsheets; (2) Draft and Final ESAI report; and (3) ESA I-related text, spreadsheet, and map for Draft and Final EA.

Team Members: Karen Wicker, Hunter Guidry



Relevance to DOTD

- DOTD project
- Environmental assessments

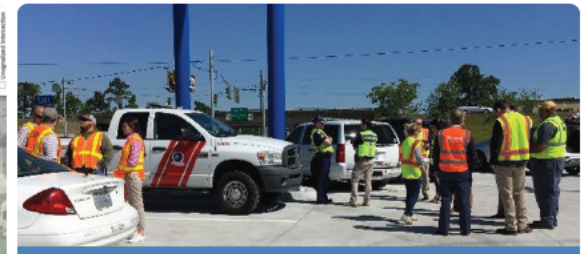
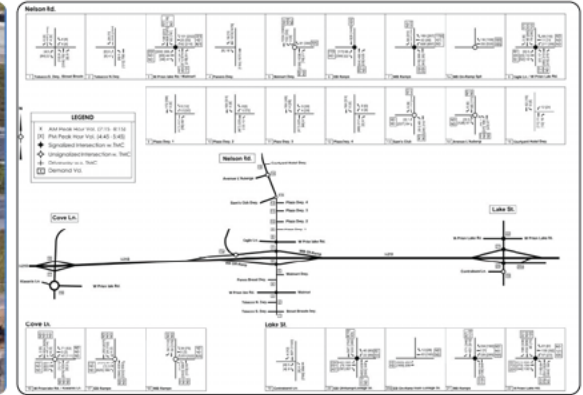
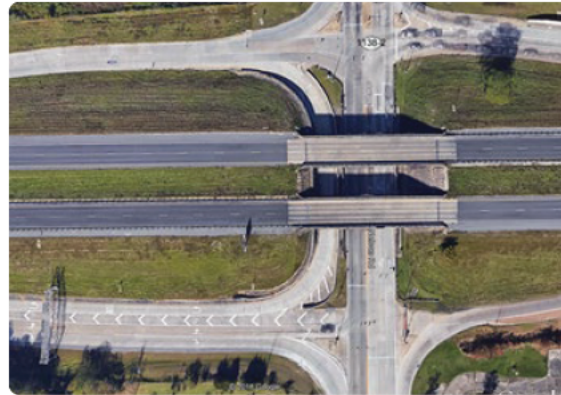


Firm Name	Gresham Smith		Past Performance Evaluation Discipline(s)	Traffic
Project Name	Traffic Engineering Retainer Contract, TO#2: I-210 at LA 11382 (Nelson Road) Interchange Modification Re-Evaluation Study		Firm Responsibility	Prime
Project Number	H.011065.5	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Lake Charles, LA	Owner's Project Manager	Brandon DeJean, PE	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA • 225.242.4643 • brandon.dejean@la.gov			
Services Commenced by This Firm	2017	Total Consultant Contract Cost (\$1,000's)		\$290
Services Completed by This Firm	2018	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$208

The approval for revised access at the I-210 at Cove Lane and Nelson Road interchanges was granted under several conditions by the FHWA Louisiana Division. One of these conditions being the re-evaluation of the I-210 at Nelson Road interchange upon completion of the I-210 at Cove Lane interchange. The goal of the final plan was to identify any issues with the Nelson Road and Cove Lane intersections. Calibrated VISSIM models were created to model existing conditions during AM and PM peak hours for three interchanges along I-210, Cove Lane/Nelson Road (LA 1138-2), and Lake Street.

Gresham Smith was responsible for overseeing the data collection, conducting field investigations, travel time runs, reviewing crash reports, developing VISSIM models for existing conditions, determining a regional growth rate, developing and modeling a future No Build condition, and developing a project report.

Traffic count data was collected and used to create VISSIM models of the study area. These models were calibrated to accurately represent existing traffic patterns along the corridor. A Road Safety Assessment (RSA) was performed to determine the need for the existing U-turn lane and I-210 slip ramp. Gresham Smith staff led the RSA which was comprised of 21 participants from various divisions of DOTD, Calcasieu Parish, LA State Police, the City of Lake Charles Calcasieu Office of Homeland Security, and Calcasieu Parish School Board.



Relevance to DOTD

- DOTD Project
- Interstate interchange analysis
- Interstate interchange modeling
- Capacity analysis
- Traffic forecasting
- Roadway safety assessment
- Project report



Team Members: Bert Moore, Rebecca Murray

Firm Name	KPMG LLP		Past Performance Evaluation Discipline(s)	Planning, Other (Financial/ Commercial)
Project Name	Belle Chasse Bridge and Tunnel Replacement Project		Firm Responsibility	Subconsultant
Project Number	Contract 4400005030	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Belle Chasse, LA	Owner's Project Manager	Nicholas J. Olivier, PE	
Owner's Address, Phone, Email	1201 Capitol Access Road Baton Rouge, LA 70802 • 225.379.1133 • nicholas.olivier@la.gov			
Services Commenced by This Firm	2018	Total Consultant Contract Cost (\$1,000's)		Unknown
Services Completed by This Firm	2022	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$700

The Belle Chasse Bridge and Tunnel Replacement Project was a roughly \$150M bridge and tunnel replacement south of New Orleans, LA that required a private partnership to assume risks associated with the design, build, finance, operation and maintenance of the project, in exchange for the ability to collect toll revenue for a flexible period of years dependent on the proposers' tolling strategy. The new fixed-span four-lane bridge replaced the existing Perez Bridge and the Belle Chasse Tunnel spanning the Gulf Intracoastal Waterway on LA 23 in Belle Chasse, LA. The project was DOTD's first P3 concession and is an essential part of Louisiana's long-term procurement plan, providing a roadmap for future transportation P3's in the state.

KPMG assisted DOTD on a day-to-day basis with procurement of the project as DOTD's financial and commercial advisor. KPMG led the procurement and the quality controls and overall delivery of services. Key services provided by KPMG included assistance with:

- ▶ Prepared a financial model with due diligence of the project to test viability under a number of different financial structures, tolling arrangements, and prices, given the DOTD's project goal of implementing the lowest tolls for the shortest term.
- ▶ Provided financial analysis based on varying inputs and assumptions regarding project scope and costs, traffic and revenues, and market conditions.
- ▶ Assisted in the development of procurement activities and the development documents, including financial and commercial input to request for qualifications, request for proposals, and the concession agreement.
- ▶ Evaluated statements of qualifications and assisting DOTD in selecting qualified firms to submit a proposal for the project.
- ▶ Evaluated the final proposal and ensured proposal consistency with market precedent and presents fair value to DOTD.
- ▶ Negotiated with the preferred proposer, including analysis surrounding potential toll scenarios to balance risk exposure and reduce potential monetary impacts to DOTD.



Relevance to DOTD

- ▶ DOTD project
- ▶ Alternative delivery
- ▶ Financial modeling
- ▶ Procurement document assistance
- ▶ Toll scenario screening



Team Members: Justin Clarke, Guy Wilkinson

(Photo Credit: DOTD)

Firm Name	KPMG LLP		Past Performance Evaluation Discipline(s)	Planning, Other (Financial/ Commercial)
Project Name	Texas Department of Transportation P3 Advisory Services		Firm Responsibility	Prime
Project Number	NA	Owner's Name	Texas Department of Transportation (TxDOT)	
Project Location	Austin, TX	Owner's Project Manager	Benjamin Asher	
Owner's Address, Phone, Email	125 E. 11th, Austin, TX 78701 • 512.463.8611 • benjamin.asher@txdot.gov			
Services Commenced by This Firm	2005	Total Consultant Contract Cost (\$1,000's)		\$8,500
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$8,500

TxDOT implemented an innovative P3 program leveraging the statewide Comprehensive Development Agreement (CDA) program, which encompasses design build, P3, and concession models. KPMG has been the financial and P3 advisor to TxDOT since 2005 for design, development, and implementation of the CDA program. KPMG has provided TxDOT innovative delivery, commercial and financial assistance to its P3, and CDA programs since the inception of the CDA program in 2005, and has supported a variety of related P3 financial initiatives and advisory solutions for TxDOT.

The broad range of services KPMG provides to TxDOT includes assistance in:

- ▶ Assessing the P3 potential of over 110 unfunded projects through a complex screening process developed with TxDOT.
- ▶ Advising TxDOT evaluation teams in their review of proposals, including analysis of financial models and financing assumptions.
- ▶ Analyzing financial feasibility of potential CDA projects and developing financial models to assist in structuring decisions.
- ▶ Developing financial models to represent both the bidder's view and the traditional delivery approach for comparison and TxDOT decision making purposes.
- ▶ Drafting briefing papers on key policy issues and commercial positions and advising in the development of CDA related requirements for legislation.
- ▶ Communication with market participants related to the CDA program in general and specific CDA projects as procurements are initiated.
- ▶ Applying P3 lessons learned from other jurisdictions and providing advice and guidance for negotiations.
- ▶ Managing application process for federal funding assistance, as well as supporting discussions with federal agencies, as required.
- ▶ Advising TxDOT throughout the commercial and financial close process.
- ▶ Developing tolling policy, methods, and interoperability considerations, as well as providing due diligence on traffic and revenue analyses.



Relevance to DOTD

- ▶ Alternative delivery
- ▶ Financial advisory services
- ▶ Funding advisory services
- ▶ Tolling policy development
- ▶ Revenue analysis

KPMG has been a trusted advisor on nearly 20 innovative transactions across a variety delivery models (Design Build, DB Finance, DB Maintain and Concession). KPMG provided the full suite of advisory services from feasibility, negotiation, and procurement assistance. Select projects include: SH 130 (CTTS), SH 130 Seg. 5 & 6, North Tarrant Express (3), LBJ 635, DFW Connector, Horseshoe Project, SH 99 Grand Parkway (2), IH 35E Managed Lanes, Loop 1604, Energy Sector Roadway, Loop 375 Border Highway West, SH 71 Toll Lanes, SH 183 Managed Lanes, SH 360, Harbor Bridge, SH 249, Oakhill Parkway, and SH 288

Team Members: Justin Clarke, Guy Wilkinson

Firm Name	Lazenby & Associates, Inc. (Lazenby)		Past Performance Evaluation Discipline(s)	Road, Survey
Project Name	Arkansas Road (West Monroe) LA 616		Firm Responsibility	Prime
Project Number	S.P.N. H.002622	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Oachita Parish, LA	Owner's Project Manager	Fred Borne, PE (Retired)	
Owner's Address, Phone, Email	P.O. Box 94245, Baton Rouge, LA 70804-9245 • 225.379.1388 • Fred.Borne@la.gov			
Services Commenced by This Firm	2007	Total Consultant Contract Cost (\$1,000's)		\$1,611
Services Completed by This Firm	2015	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$1,512

Lazenby was the prime consultant on this project, which involved the widening of a 3.2-mile segment of Arkansas Road (LA 616) from a two-lane arterial to a five-lane arterial with subsurface drainage. The project included replacing four signalized intersections with multi-lane roundabouts to improve safety. An existing timber bridge site was replaced with a 4 – 7'x 7' RCB as part of the project.

Lazenby performed topographic and property surveys, and prepared preliminary plans, final plans, and right-of-way maps. Major design components were road design, hydraulic analysis and design, geometric design, signing and striping, and sequence of construction.

➤ **Challenges encountered include developing a logical suggested sequence of construction while maintaining through traffic, and design of the roundabout finished grades due to the grades of the approach roadways at three of the roundabouts. Lazenby also assisted DOTD in the environmental clearance process, preparing exhibits for and assisting with public meetings, and preparing permit drawings. Lazenby also prepared utility relocation plans for water and sewer relocations within the project limits.**

Team Members: Jerry Lazenby, Paul Fryer, Ronald Riggin



Relevance to DOTD

- DOTD project
- Arterial roadway design
- Topographic surveys
- Right-of-Way maps
- Construction sequencing
- Hydraulic analysis

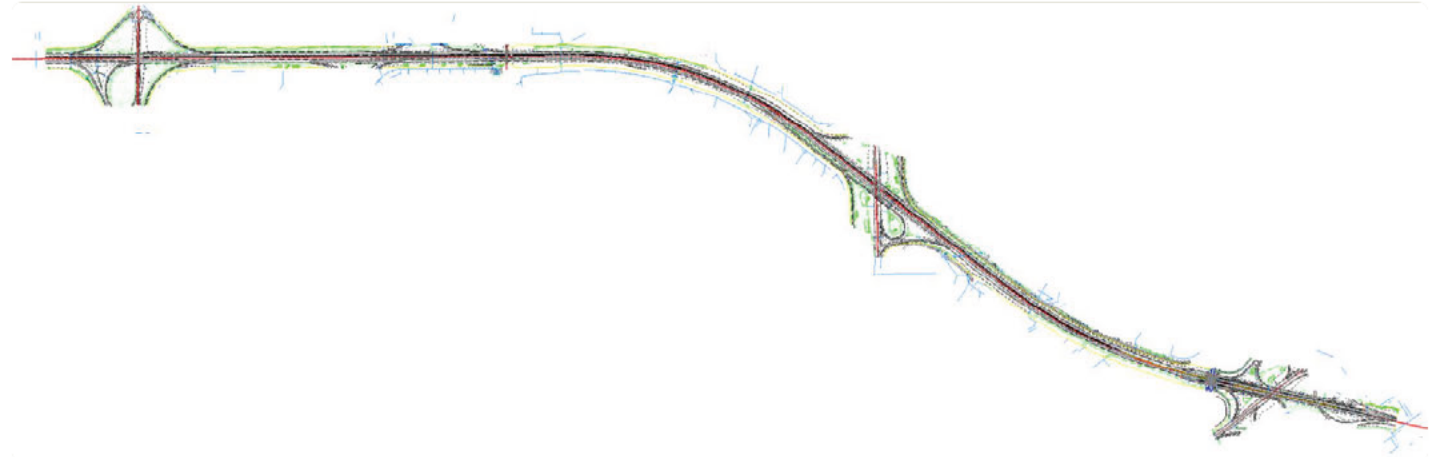


Firm Name	Lazenby & Associates, Inc. (Lazenby)		Past Performance Evaluation Discipline(s)	Survey
Project Name	I-20 Widening/Overlay (Vancil Rd to LA 34)		Firm Responsibility	Prime
Project Number	S.P.N. H.015052	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Oachita Parish, LA	Owner's Project Manager	Steve A. LeBlanc, PLS	
Owner's Address, Phone, Email	P.O. Box 94245, Baton Rouge, LA 70804-9245 • 225.379.1292 • Steve.LeBlanc2@la.gov			
Services Commenced by This Firm	2022	Total Consultant Contract Cost (\$1,000's)		\$394
Services Completed by This Firm	2023	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$394

Lazenby was the prime consultant on this project, performing topographic surveying services within the existing I-20 ROW for existing interstate widening & overlay. Approximately 20,815 feet (3.94 mi) along I-20 (urban interstate) through West Monroe, LA is included in the topographic survey limits, including portions of 3 urban principal arterial and 1 urban major collector interchange/overpass.

Static/RTK GPS survey methods were used to establish horizontal and vertical control for the field survey.

Conventional survey methods using total stations and digital levels were used to collect the topographic survey data for the project. In addition, 3D LiDAR point clouds were collected using both a stationary terrestrial tripod mounted scanner and mobile scanning. Topographic features were extracted from the 3D point cloud, such as hard surface pavement, bridge structures, traffic signs, overhead truss sign supports, guardrails, and existing traffic lighting. 360 camera images collected with the mobile LiDAR and georeferenced aerial imagery were used to assist with the QA/QC validation of the topographic survey.



Relevance to DOTD

- DOTD project
- Topographic surveys
- 3D LiDAR



➤ **In addition to the collection of topographic survey features, other surveying services included the establishment of referenced iron rods along the project to define the GPS control; locating and research of ownership of all utilities within the limits of the topographic survey using LA One Call; and, preparation of an existing drainage map of the project area. An existing DTM was developed using surface elevations collected and existing alignments were calculated along the I-20 corridor, interchanges, and overpasses.**

Team Members: Ronald Riggan, Noah Sampognaro

Firm Name	RS&H, Inc.		Past Performance Evaluation Discipline(s)	Planning, Other (Risk Management)
Project Name	Innovative Contracting Risk Management Best Practices		Firm Responsibility	Prime
Project Number	NA	Owner's Name	Michigan Department of Transportation (MDOT)	
Project Location	Statewide, MI	Owner's Project Manager	Ryan Mitchell	
Owner's Address, Phone, Email	425 West Ottawa Street, Lansing, Michigan 48933 • 517.615.7025 • mitchellr13@michigan.gov			
Services Commenced by This Firm	2020	Total Consultant Contract Cost (\$1,000's)		\$395
Services Completed by This Firm	2021	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$395

Led by Andrew Keetley, RS&H conducted research on behalf of the MDOT to document industry risk management best practices and develop a comprehensive Risk Management Program (RM Program) for MDOT's Innovative Contracting Unit (ICU). The research aimed to improve and build upon MDOT's existing risk management guidance, identify gaps in the current program, and recommend an implementation strategy.

During the Risk Management Investigation Phase, RS&H conducted interviews with MDOT staff, public sector agencies, FHWA representatives, and the contracting community, and also performed desktop surveys and facilitated a peer exchange workshop to identify risk management best practices. Key findings included obtaining leadership support, developing processes and tools by project phase, keeping documentation concise, focusing on critical risks, and utilizing risk-based cost estimates.

In the Risk Management Development Phase, RS&H created formal risk management guidance documents, templates, and tools based on the identified best practices, and developed an Excel-based Risk Management Workbook (RM Workbook) containing interactive Risk Management Workflows for each project delivery phase. The RM Workbook was tailored for MDOT project managers to address gaps and improve MDOT's existing risk management guidance.

During the Risk Management Implementation Phase, RS&H developed and delivered an interactive training program on the RM Workbook and associated tools. The training was based on findings from the previous phases and aligned with MDOT's Innovative Construction Contracting Guide and the PMBOK risk management processes. RS&H developed a two-stage implementation plan, with the first stage focusing on risk management training using a pilot project and the second stage developing a self-guided training module through the RM Workbook.

Through this research, RS&H aimed to provide MDOT with a comprehensive RM Program, including standardized guidance documents, templates, and tools to assist project managers in effectively managing project risks and improving project delivery consistently.

Team Members: Andrew Keetley

Relevance to DOTD

- Alternative delivery
- Risk management program




Firm Name	SJB Group, LLC (SJB)		Past Performance Evaluation Discipline(s)	Survey, Other (SUE)
Project Name	LA 1 – LA 415 Connector to Interstate 10		Firm Responsibility	Prime
Project Number	H.005121.5	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	Port Allen, West Baton Rouge Parish, LA	Owner's Project Manager	Jonathan Herrod	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 • 225.379.1292 • Jonathan.Herrod@LA.gov			
Services Commenced by This Firm	2023	Total Consultant Contract Cost (\$1,000's)		\$1,165
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$1,165

SJB performed a topographic survey and drainage map along the corridor of the future connector roadway from LA 415 to LA 1. The purpose of the survey was to collect topographic data throughout the proposed project corridor. SJB also performed a supplemental topographic survey and drainage map along a 2.9 mile corridor north of the intersection of I-10 and LA 415, continuing in a southeasterly direction to the intersection of LA 1 and a 1.8 mile corridor along LA 1, due to recent developments and construction. The purpose of this survey was to collect current topographic data for the design of a future connector roadway from LA 415 to LA 1 and merge the data with the previous corridor alignment. The collection of field data is being accomplished by the utilization of conventional survey methods with survey total stations and global positioning systems (GPS). Mobile LiDAR methods are utilized for the collection of data along the high traffic segments of LA 1, with data extraction performed through TopoDot. Through the use of a subconsultant, SJB incorporated bathymetric data where the survey corridor crossed the Intracoastal waterway. This project tied in to existing topographic surveys for S.P. No H.004100 on the northern end and H.001234 on the southern end. The survey is being conducted according to the *Louisiana Department of Transportation and Development Location and Survey Manual*.

Relevance to DOTD

- > DOTD project
- > Topographic survey
- > Subsurface utility engineering (SUE)



This project also involved subsurface utility engineering (SUE) to update previously designated Quality Level B and Quality Level D information along the new project corridor for the design of a future connector roadway from LA 415 to LA 1. This information was updated by performing additional Quality Level B investigations for only industrial pipelines intersecting the new project corridor. All pipeline owners within the new project corridor were identified during the records research phases and then designated in the field to verify their approximate horizontal and vertical locations. The additional information collected from the Quality Level B investigation. These were augmented with utility information previously collected and used to create a comprehensive SUE plan set depicting the locations and other pertinent information of all pipelines within the additional project limits.

Team Members: Tim Brewer, Karen Kennedy, Austin LaCombe, Colby Mire, Elvis Nguyen

Firm Name	Terracon Consultants, Inc. (Terracon)		Past Performance Evaluation Discipline(s)	Right-of-Way
Project Name	IDIQ Contract for Right of Way Asbestos Inspection Services		Firm Responsibility	Prime
Project Number	40000125	Owner's Name	Louisiana Department of Transportation	
Project Location	Statewide, LA	Owner's Project Manager	Radha Kumar	
Owner's Address, Phone, Email	1201 Capitol Access Road Baton Rouge, LA 70802 • 225-242-4554 • radha.kumar@la.gov			
Services Commenced by This Firm	2020	Total Consultant Contract Cost (\$1,000's)		\$100
Services Completed by This Firm	Ongoing	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$32

Terracon provided thorough inspections for asbestos-containing materials (ACM) in compliance with the United States Environmental Protection Agency (USEPA) regulation 40 CFR 61, Subpart M, National Emission Standards for Hazardous Air Pollutants (NESHAP), and Louisiana Environmental Regulatory Code (ERC) Title 33, Part III, Section 5151 (Chapter 51), which prohibit the release of asbestos fibers to the atmosphere during renovation or demolition activities. The asbestos NESHAP and Chapter 51 require that potentially regulated asbestos-containing building materials be identified, classified, and quantified prior to planned disturbances during demolition or renovation activities.

Inspection activities include a visual observation of the interior and exterior of the structure to identify homogeneous areas (HA) of suspect ACM. A homogeneous area consists of building materials that appear similar throughout in terms of color and texture with consideration given to the date of application. A physical assessment of each HA of suspect ACM is conducted to assess the friability and condition of the materials. Based on results of the visual observation, bulk samples of suspect ACM are collected in general accordance with Asbestos Hazard Emergency Response Act (AHERA) sampling protocols. Random samples of suspect materials are then collected in each homogeneous area. Samples are placed in sealable containers, labeled, and shipped to an accredited laboratory for analysis.

Based on the findings of these services, Terracon develops recommendations that are included in a detailed report inclusive of photographs, sample location maps, and material location maps. To date, Terracon has performed these services for 18 structures.



Relevance to DOTD

- > Materials sampling
- > Materials testing
- > DOTD project




Team Members: Steven Latiolais, Adam McEvoy, Jeremiah Garms

Firm Name	Vectura Consulting Services, LLC (Vectura)	Past Performance Evaluation Discipline(s)	Traffic & CE&I/OV
Project Name	Belle Chasse Bridge & Tunnel Replacement PPP		Firm Responsibility Subconsultant
Project Number	H.004791	Owner's Name	Louisiana Department of Transportation and Development
Project Location	Belle Chasse, LA	Owner's Project Manager	Nicholas J. Olivier, PE
Owner's Address, Phone, Email	1201 Capitol Access Road Baton Rouge, LA 70802 • 225.379.1133 • nicholas.olivier@la.gov		
Services Commenced by This Firm	2019	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)	\$211.89

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

- ▶ Providing preliminary and final traffic studies
- ▶ Providing temporary and final traffic signal plans
- ▶ Assisting the Prime with the Traffic Management Plan (TMP)
- ▶ Creating response to request for information (RFIs)
- ▶ Providing as-built plans for the traffic signals

Relevance to DOTD 

- ▶ DOTD project
- ▶ Alternative delivery
- ▶ Traffic studies
- ▶ Signal plans

Team Members: Brin Ferlito, Laurence Lambert, and Reece Rodrigue


Firm Name	Vectura Consulting Services, LLC		Past Performance Evaluation Discipline(s)	Traffic
Project Name	I-10 ITS Scott to Lake Charles		Firm Responsibility	Subconsultant
Project Number	H.013256.5	Owner's Name	Louisiana Department of Transportation and Development	
Project Location	I-10 (District 07), LA	Owner's Project Manager	Roy Esteven, PE	
Owner's Address, Phone, Email	1201 Capitol Access Road Baton Rouge, LA 70802 • 225.379.2527 • Roy.Esteven@la.gov			
Services Commenced by This Firm	2021	Total Consultant Contract Cost (\$1,000's)		Unknown
Services Completed by This Firm	2021	Cost of Consultant Services Provided by This Firm (\$1,000's)		\$20.16

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

- ▶ Provided a safety strategy that included a CAT Scan
- ▶ Created LOS determination utilizing Citrix data
- ▶ Recommended lane closures based on queue analysis
- ▶ Provided cost estimates
- ▶ Provided public information strategies

Relevance to DOTD

- ▶ DOTD project
- ▶ Traffic management plans



Team Members: Brin Ferlito, Reece Rodrigue, Kristen Farrington, and Laurence Lambert

Section 18

Louisiana International Terminal CMAR, St. Bernard Parish, LA

AECOM provided all planning, 30% design, and permitting support for the \$2.0B Louisiana International Terminal (LIT) for the Port of New Orleans. AECOM is the lead designer for the CMAR delivery of Phase 1 including 3 overpasses over the relocated LA 46 highway and NSRR tracks connecting the landside to the wharf, design of the 3000' wharf structure and MRL levee improvements.

The 30% design included relocation of LA 46 with an overpass of the NSRR tracks, folded diamond interchange on LA 39 for LIT access, relocation of mainline railroad tracks, addition of railroad lead and spur tracks,, drainage improvements, ground improvements and design of the intermodal container yard.

AECOM also led successful development of a MEGA and INFRA grant application and the Port of New Orleans was awarded \$300M, the largest economic development grant in Louisiana history.



Approach

Once we understand the needs for an assignment, **Project Manager Jonathan McDowell, PE** will reach out to the most appropriate person within the team to respond to the request. If DOTD needs the advice or opinion of an SME, we will connect the SME with the appropriate person at DOTD. For larger tasks where AECOM is requested to provide services, Jonathan will contact the appropriate parties within 48 hours and schedule an initial meeting to discuss scope, potential risks, schedule, and budget. Following the meeting, AECOM will prepare a person-hour and fee proposal to perform the services and negotiate costs where applicable.

TRANSPORTATION

The AECOM Advantage



Design, risk management, and project management engineering services with experience in delivering creative, cost effective, and implementable solutions.



Leadership that knows LADOTD's processes and procedures and various contracting methods including: fixed-price/variable scope, CMGC, and P3.



Local and national experience with alternative delivery working for both the Owner and Design-Builder.



Specialty partners known to LADOTD.

Our Subconsultant Team

AECOM brings DOTD a full-service team that can fulfill virtually any needed service. We have partnered with the firms below, which have worked with AECOM and/or DOTD, to fulfill the needs of this contract:

Firm	Services
Ardaman & Associates, Inc.	Geotechnical Engineering, Field Sampling, Materials Testing
CH Fenstermaker	Environmental Consulting, Topographic and Hydrographic Survey
Coastal Environments Inc.	Environmental Consulting
Gresham Smith, Inc	Road Design, Bridge Inspection, Traffic Modeling
KPMG	Financial Analyses
Lazenby & Associates	Survey
Marrero, Couvillion, and Associates	Electrical Engineering, Mechanical Engineering, Roadway Lighting
RS&H	Cost/Risk/Schedule Assessments, Procurement/ Alternative Delivery Advisory
SJB Group	Subsurface Utility Engineering
Terracon, Inc	Environmental Field Sampling and Mitigation
Trinity Tree	Registered Arborist
Vectura	Traffic Engineering, Analysis, and Safety; ITS; Traffic and ITS Construction Support

Project Organization and Approach by Task

1. Alternative Delivery Technical Services

During the planning and delivery selection process, our team will coordinate with DOTD and summarize key project characteristics that will impact the delivery method, including estimated cost, complexity, third-party impacts, and other key factors. Once a decision has been made as to the delivery method, the AECOM team will work with DOTD to manage those processes and achieve the intended schedule and cost benefits. Through our extensive experience with complex highway alternative delivery, we are ready to support, troubleshoot, and refine the process for future projects. We have every transportation discipline that could be needed to provide responses on alternative technical concepts and construction methods. We understand the need for dedicated staff that can respond immediately and help the DOTD move to a decision quickly (Figure 1).

AECOM is aware that risk factors often drive the selection of an appropriate procurement. The following figure presents some of the typical risks associated with each procurement type. By using the approach, the appropriate procurement can be logically selected (Figure 2).



2. Project Management and Support

AECOM's project management process involves planning and implementing fundamental project management principles through a Project Management Plan (PMP). The PMP is developed in conjunction with DOTD to finalize key project elements, including scope, schedule, cost, quality, human resources, communications, and risk.

Our project management team coordinates technical activities and maintains open communication with the DOTD project manager, stakeholders, and the project team to meet project objectives. The team hosts meetings at an agreed-upon frequency to update progress. The team also supports the client in stakeholder and community engagement as needed.

Finally, AECOM uses collaborative, cloud-based systems to provide up-to-date information that is accessible in real-time and communicated promptly.

The AECOM team will be supported by **RS&H**, providing cost/risk/schedule assessments, and **KPMG**, providing financial assessments.

		DBB	CMAR/CM/GC	Progressive DB	Design Build	P3
Overall Owner Risk		Most Risks Retained by Agency	Shared Agency Retains Design Liability	Shared Risk Agency and Design Builder	Shifted Risk Design Builder Bears All, but Fixed Scope	Shifted Risk Most Risk with Developer/Builder
Contract		Multiple	Multiple	One	One	One
Schedule (final design through construction)		Sequential Development Often Longest Duration	Separated Procurements: Can be Overlapped and Expedited	Expedited: Fully Overlapped; Typically Requires Deeper Stakeholder Coordination	Expedited: Fully Overlapped	Expedited: Fully Overlapped; Inclusive of Maintenance Plan
Innovation & Collaboration		Agency Owns it All	Agency and Contractor (Designer to Extent Enabled)	Agency, Designer and Design Builder	Agency, Designer and Design Builder	Agency, Designer and Design Builder, O&M Contractor
Cost Certainty at NTP		Fixed Agency Retains Design Risk	TBD Agency Retains Claims Risk	TBD to Fixed Agency Collaboration, DB Retains Design Risk	Fixed Agency Claims Risk Reduced, DB Retains Design Risk	Fixed Agency Claims Risk Reduced, DB Retains Design Risk

■ Agency Responsibility ■ Mixed Responsibility (weighted towards **Builder/Developer**)
■ Mixed Responsibility (weighted towards **Agency**) ■ **Builder/Developer** Responsibility

Figure 2. Typical risks associated with each procurement type.

Risk Management | In a quantitative risk assessment (QRA) in close coordination with the work performed by the cost estimating and scheduling teams. This process will begin with AECOM reviewing the project documents and conducting risk interviews that may include project personnel, SMEs and, if requested, project stakeholders and designated construction contractor(s). These interviews, along with the project documents, will support the development of a draft project risk register.

Following the draft risk register development, AECOM will arrange a risk workshop with key project personnel. Participants will discuss the risks and opportunities in the draft risk register; reach a consensus on each risk's characterization, likelihood of occurrence, and cost and schedule impacts; and discuss and document risk treatment and mitigation strategies.



PROJECT MANAGEMENT

Jonathan McDowell, PE, will lead our team. Jonathan has 20+ years experience in project management, design, and construction of large, complex urban infrastructure projects throughout Louisiana. His project experience includes multiple delivery methods including traditional DBB, DB, and CMAR.



Kent Dussom, PE, DBIA, is one of AECOM's most experienced alternative delivery procurement specialists and is requested nationwide to work on some of our largest alternative delivery projects. He previously managed several DOTD projects including an IDIQ Contract for DB Services (2010-2015), which proposed improvements to DB procurement documents and provided advisory for the LA 318 at US 90 procurement documents.

The risk register and QRA will be maintained in the DOTD Innovative Contracting Risk Management Workbook, which provides a platform for risk identification, quantitative assessment, and risk response tracking. The risk analysis results will assist in budgeting and developing risk response planning. The risk register and QRA will be updated periodically as defined in the Risk Management Workbook to assess project cost/ schedule status and document risks and their mitigations.

Schedule and Budget | AECOM's process to keep projects on time and on budget involves a combination of robust project management systems, regular reassessments, and effective communication.

AECOM's Project Management System combines multiple systems into one tool, allowing project managers to manage resources, track changes, manage risks, and access key reports.

This system guides project

managers through the process with automated triggers, an intuitive workflow dashboard, and online reviews and approvals.

AECOM regularly reassesses project costs to identify any potential deviations and adjust the project's trajectory to maintain budgetary alignment. The project schedule is closely monitored weekly against resource needs so any inconsistencies with the established work plan can be immediately addressed. AECOM also uses a robust cost management and project control system that provides real-time cost and budget information, allowing project managers to manage the project to the authorized budget. Using a detailed Work Breakdown Structure (WBS) and a defined task budget for each work element, AECOM's interactive cost tracking and forecasting system, combined with regular team meetings, provides up-to-date information to support managing the work effort versus the budget.

In terms of communication, AECOM's project management team coordinates technical activities and maintains open communication with DOTD, stakeholders, and the project team to meet project objectives. The team hosts meetings at an agreed-upon frequency to update overall project progress.

Finally, AECOM uses project planning to expedite and monitor each phase, based on the outline of tasks and deliverables. The detailed planning effort determines necessary staffing levels to meet quality and schedule requirements. Project schedules will be tailored to the specific project scope for each task order. As such, project schedule will vary based on the project type or magnitude. **To show understanding, we provide a typical road design example project schedule below (Figure 3) to identify major milestones and order of work.**

ALTERNATIVE DELIVERY SME

Charlie Stein, PE, DBIA brings two decades of diverse experience, from scoping and program management to project design and delivery. He has served as an AECOM project manager on design-build projects for the last 6 years and has been involved with innovative contracts since 2009. He previously managed MDOT's Innovative Contracting Unit where he oversaw all alternative delivery projects including design-build, construction manager/general contractor, fixed price-variable scope, public-private partnerships, and alternative technical concept bid-build projects. Charlie recently helped the Wisconsin DOT deliver its first two design-build projects using best value procurement.



EXAMPLE ROAD DESIGN PROJECT SCHEDULE																					
MONTH	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Project Planning and Initiation																					
Scoping and Project Plan Development																					
Kickoff Meeting																					
Field Visit & Data Collection																					
Topographic Survey																					
Preliminary Plan Development																					
30% Preliminary Plans (if required)																					
60% Preliminary Plans																					
Preliminary Right-of-Way Maps																					
95% Preliminary Plans																					
Plan-in-Hand Meeting																					
100% Preliminary Plans																					
Final Right-of-Way maps																					
Final Plan Development																					
30% Final Plans (if required)																					
60% Final Plans																					
Joint Plan Review Meeting (if necessary)																					
95% Final Plans																					
Advanced Check Print (ACP) Meeting																					
98% Final Plans and Special Provisions																					
100% Final Plans																					

Figure 3. Example of a typical road design schedule.

3. Quality Control Reviews and Peer Reviews

AECOM's Quality Management System (QMS) is certified to the ISO 9001:2015 standard. For each deliverable, we conduct a discipline review (separate from the originator), an interdisciplinary review, and an independent design review. Sign-off is also required by lead verifiers and the Project Quality Manager to confirm that quality reviews have been completed and that the deliverable meets the project technical approach and documented client requirements.



QUALITY CONTROL

Our QA/QC team is led by **Daniel Boyd**,



PE. Daniel is the Quality Manager for the AECOM offices in Baton Rouge and New Orleans. He offers expertise in the design and construction of large complex urban infrastructure projects throughout the U.S. including traditional Design-Bid-Build, Design-Build, and Construction Manager at Risk.

Independent technical reviews (ITRs) are assigned to senior SMEs not involved with the project. These reviewers verify technical interpretations, conclusions, and recommendations. ITRs are documented within AECOM's management information system using a Technical Quality Review Record (TQRR). The TQRR contains the original draft deliverable, comments from reviewers, resolution of comments, and approvals from the Lead Verifier, the Quality Manager, and Project Manager. The Project Manager is responsible for assigning an approved Lead Verifier

for each deliverable. AECOM's Quality Manager supports that position by providing reviewers with access to Standards of Procedure (SOPs) and work instructions and circulating lessons learned to continuously improve technical performance.

For DOTD projects, AECOM incorporates its QMS processes with DOTD's Project Delivery System and Plan Submittal QC Requirements to develop a project-specific Quality Plan that meets DOTD QC and QA requirements. It considers the DOTD Project Delivery Process and Plan Submittal requirements for Preliminary and Final Design services.

AECOM also uses in-house designed software, PlanEngage, which interactively shows site data and design drawings to allow reviewers to make fully informed comments expeditiously.

Interdisciplinary serve to identify and resolve conflicts among design elements. For projects involving multiple AECOM offices, the discipline and interdisciplinary reviews are performed seamlessly due to the consistency of QA/QC processes across the organization.

After completion of the various reviews, the Lead Verifier reviews each deliverable for soundness of approach and compliance with scope and

client expectations. This is followed by compliance with the QA/QC process being certified by the Quality Manager.

4. Environmental and Permitting Services

Pre-award environmental tasks include assisting DOTD and/or others under contract with DOTD or procuring services for environmental reviews and documentation. Environmental reviews and documentation may include development of Section 4(f) statements, noise analysis, air quality reports, hydraulic reports, wetland findings, threatened and endangered species surveys, or interstate access change/justification requests.



A ROBUST ENVIRONMENTAL TEAM

In addition to AECOM's in-house environmental professionals, we have supplemented our team with **Coastal Environments**, **CH Fenstermaker**, and **Terracon**. This allows the AECOM to provide the gamut of environmental services, when and where DOTD needs us.

AECOM, through the design process, will develop required permit documents and complete design iterations to fully evaluate environmental impacts. We will prepare figures or GIS mapping to identify constraints that must be included as contractual requirements.

AECOM will lead any services to support mitigation compliance and any material sampling and test or field services that may be required. **Terracon** will take samples of bridge coatings where concerns of heavy metals are present.

5. Traffic Engineering and Design

AECOM is known leader in traffic engineering. We have also partnered with **Gresham Smith** and **Vectura** to assist AECOM in traffic tasks. All three firms are very familiar with DOTD TEPR process and the related EDSM. AECOM will work with DOTD to determine any traffic restrictions, minimum lane requirements, allowable ramp, lane, or bridge closure times, and associated user delay costs. Based on this information and the goals

"AECOM performed well on this project. They were responsive and provided good work."

— Noel Ardoin, DOTD
Environmental Section. Ref. SPN
H.001779 – Jimmie Davis Bridge
(LA 511) EA

AN EXPERT TRAFFIC TEAM



Bert Moore, PE, PTOE from Gresham Smith will lead the traffic team with oversight from AECOM's **Kordel Braley, PE, PTOE** Bert has

25 years of traffic engineering experience including serving as the District 61 District Traffic Operations Engineer. **Laurence Lambert, PTOE, PE**, and **Brin Ferlito, PE** of Lambert round out our SME to assist in traffic engineering services.

of the project we will develop alternatives for consideration. Preliminary mobility plans will also specify (among other things) temporary traffic signalization needs, pedestrian requirements, driveway impacts, minimum lane widths, and minimum shy distances. Our team will then evaluate the associated user delay costs using traffic modeling software which best meets the project's specific needs (e.g. Syncro, Vissim, CO3). This information will then be used to help evaluate the alternatives and also determine if other contracting mechanisms (incentive/disincentive clauses; lane/bridge/ramp are beneficial.

Vectura will lead any data collection. Gresham Smith will perform any traffic analysis and design. AECOM will provide QC oversight of the analysis. AECOM and Vectura would team to review any traffic safety concerns. AECOM and Gresham Smith will perform geometric designs and geometric reviews. Transportation Management Plans may be performed by any of the firms. Gresham Smith will lead the preparation of any Access Justification Reports (AJRs) either through the development of an Interchange Justification Report (IJR) or an Interchange Modification Report (IMR).

6. Surveying

If accurate and reliable survey data is provided within the procurement documents, pre-award designs and cost estimates are more informed and robust. If expediency is necessary, LIDAR may be used for preliminary mapping to prepare geometric layouts and preliminary designs. Other survey methods can be used for control surveys, land surveys, design surveys, hydraulic surveys, structure surveys, and ROW surveys. AECOM chose to partner with multiple survey firms so that we can be responsive to the needs of the task order. This allows us to determine who is the best team available for the assignment. All three surveyors are experience in performing surveys for DOTD and allow coverage of teams to mobilize to any part of the state quickly.



RESPONSIVE SURVEY SPECIALISTS

To allow prompt response to project survey needs, our team includes the firms of **Lazenby, CH Fenstermaker, and SJB, all of which are experienced in performing survey services for DOTD** and with which AECOM has partnered with successfully. The firm selected for a specific task order is based on availability and location of the project relative to the location of the survey crew.

7. Subsurface Utility Engineering (SUE) and Utility Relocation

AECOM will assist with utility coordination as required by each Work Order. Potential tasks include identifying and verifying utilities, assessing impacts to utilities, coordinating with utility companies, and coordinating with DOTD.

Utility coordination begins by contacting utility companies to identify utilities in the area and gather their plans. We then develop a utility matrix that identifies potential conflicts.

Risk mitigation efforts can be used to reduce potential impacts. This can include completing more design in the specific area to determine if the utility will be impacted, or reviewing alternative designs to minimize the impact or avoid the conflict.

Jonathan McDowell, PE led the development and management of the utility relocations and utility conflict matrix for the Rampart Street/St. Claude Avenue Streetcar Expansion. The SUE services included 400+ test holes to confirm utility locations that influenced the alignment and typical section of the streetcar tracks along the corridor.

AECOM will use SUE to evaluate utility locations and risks. We will evaluate potential design impacts, and whether a viable alternative will avoid a conflict. If conflicts cannot be resolved and impact the schedule, AECOM will work with DOTD to determine potential relocation options prior to construction.

8. Geotechnical Engineering

Geotechnical site conditions are considered a significant project risk. It is important to understand the potential risk for each individual Work Order. Our team will fully evaluate the site conditions and discuss the history of the area and any known geotechnical issues with DOTD. This information will also be highlighted through our risk management workshops and included in the risk register. Soil borings and/or pavement core locations will be coordinated with the DOTD Region Soils Engineer, and obtained to supplement existing information.



BENEFITS OF SUE

Projects with large and costly utility relocations or urban projects will likely benefit from using SUE.

We have found this very beneficial in locating the underground utilities within an area with more certainty, as demonstrated in the I-496 project . This information can then be used to evaluate the risks associated with encountering these utilities. We have engaged **SJB** as our subconsultant for SUE services. SJB offers SUE services for all levels of SUE. **Karen Kennedy** will be the lead and meets MPR No. 8.



GEOTECHNICAL

Our subconsultant **Ardaman** will lead geotechnical engineering


tasks which may include field investigations, lab analysis, or engineering analyses. **Rob Jewell, PE** will lead the geotechnical services and Meets MPR No. 9.

Oversight will be provided by AECOM's **John Volk, PE**, who served as the lead geotechnical engineer for the Mid Baratavia Sediment Diversion CMAR.

Geotechnical design criteria are then established. The level of contractual geotechnical data included in the procurement documents is dependent upon the risk and information that is necessary to allow design-builders to understand the general conditions of the project site and minimize priced risk in their proposals.

9. Roadway Design and Hydraulic Engineering

Roadway | AECOM will prepare preliminary geometric layouts depicting horizontal and vertical location of the proposed roadway in relation to existing topography to develop geometric design criteria to be used by potential bidders. When the project requires it, we can also develop different alternatives for consideration. We recently completed the road and bridge design for the LA 23 crossing over the Mid Barataria Sediment Diversion in Plaquemines Parish. We are currently performing Final Design on Phase 1 of the College Drive Enhancements which is part of an overall plan to improve vehicular and pedestrian mobility and safety from Perkins Road to Bawell Street in Baton Rouge. Our teams also participated on the I-635 Improvements in Dallas, TX and Southeast Connector Design Build.



AECOM'S ROADWAY LEAD BRINGS SIGNIFICANT DB CREDENTIALS

As lead for this task, **David Wymore, PE** served as lead road design engineer of Southeast Connector DB, the I-635 upgrades, and led the roadway design for the AECOM package of the I-10/Loyola Interchange Improvements. He meets MPR No. 10. David will be supported by former DOTD Chief Engineer, **Richard Savoie, PE**, and his staff at Gresham Smith.

More detailed design will be completed in areas necessary to minimize ROW impacts or mitigate any environmental concerns associated with impacts to historic properties, wetlands, and endangered species areas.

Hydraulic Engineering | As part of the road design efforts, we will also develop preliminary drainage designs, which often in the design-builder's eyes becomes risk. To help mitigate this risk, at a minimum, a hydrologic study that identifies the drainage areas must be completed and it is imperative that early discussions, coordination, and approvals occur with DOTD to better define the requirements. The AECOM team will prepare design criteria and perform hydraulics analysis to determine risks and to optimize designs as appropriate. All work will be in accordance with the DOTD Hydraulics Manual.

10. Bridge Design

Preliminary bridge design includes development of bridge concepts and bridge design criteria that will be included in the RFP. Items such as bridge location, lane, shoulder and sidewalk width, minimum lateral and vertical clearance, bridge hydraulics for early permitting, foundation investigation, retaining wall type, retaining and noise wall locations, and structure repair recommendations may need to be investigated and determined for inclusion in the procurement documents. This is done in concert with the road design efforts.

Our bridge design group is a nationwide practice with local resources. We can design any kind of structure from a standard LG girder to the most complex of bridge spans. Our bridge group's DOTD experience includes Florida Avenue Bridge, I-49 Connector, Jimmie Davis Bridge, LA 561, LA 10, LA 23 over Mid Barataria, and I-10/Loyola Interchange as part of a DB proposal.

AECOM has previously provided inspection services for DOTD of complex and conventional bridges. For limited access area, AECOM can employ drone technology to provide the needed inspection documentation.

AECOM also brings a robust movable bridge practice with a current contract for inspection and recommendations for repair of four bridges.

11. Plan Development and Letting Support Services

During the RFQ and RFP processes, there are opportunities for a collaborative dialogue between DOTD and proposers in the form of proposer questions and answers, one-on-one meetings, and through the ATC process.

AECOM will generate initial responses to proposer questions, coordinate with DOTD to develop final responses, prepare official response documents for distribution to individual proposers, and revise notice to bidders (NTBs) for sharing public questions and answers among all proposers via the DOTD Alternative Delivery process. DOTD can update and prepare design plans for bidding as well. Accurate and diligent record keeping is imperative to



TRUSTED DOTD BRIDGE EXPERTS

AECOM's bridge design team will be led by AECOM Fellow **Ken Butler, PE** with support by **Gary Maji, PE**, **Daniel Boyd, PE**, and AECOM staff. Our team also offers in-house bridge inspection expertise through **Landon Whitton's** team, and **Brett Canimore** and his staff provide support for complex bridges. Adding to our capacity, **Gresham Smith** will provide additional resources for bridge inspections.

maintaining confidentiality and providing fair and consistent responses to all proposers. AECOM is prepared to evaluate initial and final Alternative Technical Concepts (ATCs) from proposers using the SMEs necessary to evaluate the technical aspects of the ATC and its overall impacts to the project. Confidentiality is critical during the ATC process, and AECOM SMEs understand the importance of maintaining confidentiality when they are involved in ATC evaluation. AECOM is aware of the need to quickly and effectively communicate new information to proposers in the form of addenda and NTBs that address questions, concerns, and areas of ambiguity raised by proposers through the collaborative dialogues. Redline markup documents in the form of NTBs can be generated with each addendum to provide proposers with a concise, transparent record of content changes.

12. Construction Support

The AECOM team can offer construction administrative services to support DOTD during the execution of the DB contract. We will engage design leads to review construction submittals and drawings, RFIs, and value engineering (VE) proposals. For VE proposals, we will engage SMEs who review VE and other contractor proposals for projects nationwide. AECOM begins this process by reviewing each submittal for administrative completeness, then distributes the submittal to the core team and the appropriate DOTD and AECOM SMEs for technical review. It is important to provide supporting information to SMEs with the distribution of each submittal such as review timeframes and references to contract documents and other applicable submittals. Comments from reviewers are collected and thoroughly examined by AECOM for quality, consistency, and conformance with contract documents. Preferential and non-conforming comments can lead to increased costs and project delays, so these comments are closely coordinated with DOTD project managers to determine whether they will be implemented.

The AECOM team can review NCRs identified by the OV consultant and determine if there is a way to mitigate complete rework of non-conforming work. Where needed to update Contractor Documents, we can engage our design teams to complete these tasks.

The key to success is the ability to establish project and schedule control procedures, enabling reviewers to be consistent in their review of submittals and informing reviewers of forthcoming submittals and time constraints.

The process will require close, effective communication and coordination with MDOT and the design-builder to minimize the risk for project delays and changes in project cost. Review and response times must be minimized to keep the DB project moving forward. The AECOM team has extensive knowledge and capacity among our SMEs to provide comprehensive reviews of complex designs under expedited review time frames.

In addition to reviewing design and construction submittals, AECOM will review schedule of values (SOVs), critical path method (CPM) schedules, design quality manuals (DQMs), requests for information (RFIs), invoices, and claims, and participate in progress meetings, over-the-shoulder reviews, stakeholder and public meetings, utility coordination meetings, and)review of disputes.

AECOM uses Sharepoint® as our preferred tool for document control. The SharePoint® site eliminates time delay in moving submittals within the project team, provides a real-time updated log of responsibility allows for comment collaboration within the reviewer teams that the design-builder cannot access, maintains updated versions of the submittals, and serves as an FTP site for all project-related data.

Cost Estimates | AECOM will engage experts from our construction division who are accustomed to “hard-bidding” this type of work, so that realistic and risk-informed estimates are developed.

The team will perform well-documented quantity take-offs and organize them into a work breakdown structure. Take-offs will become the basis for bid schedule quantities. This exercise will be closely coordinated with the AECOM scheduling team. Once our cost estimating team has accurate quantities, we approach the pricing with the same methods as a contractor. We look at work crews and daily production rates for labor-sensitive items, obtain vendor quotes for materials and subcontracted items, and analyze markups for overhead, profit, bonds, insurance, and taxes. We also review mobilization and site size/location constraints to account for any cost impacts. Special items are identified and color-coded within our estimate backup as it pertains to anticipated pricing, scope or difficulty of construction. Our estimating approach includes assessments of the potential risks to the project’s cost, and a review of appropriate strategies for addressing these risks.

Schedule | The process of developing a CTD schedule is essentially an independent constructability review. Because the schedule is developed as design develops, the scheduler and design team can provide feedback on ways to expedite construction, identify potential risks/opportunities, and identify logistics gaps in project planning that can then be addressed within the design and / or RFP. The CTD schedule can help make planning decisions by identifying key time frames, submittals and other milestone dates.

By performing quantity take-offs with methods similar to a contractor and transferring that information into the bid schedule, AECOM produces more consistent and accurate estimates because the bid schedule allocates and distributes costs to specific items. This procedure provides our estimators with the detail needed to accurately analyze issues such as labor requirements, crew production, and material lead times that often become important during construction.

13. Other Services

The AECOM team understands that this task is a catch all task for any other services to come up on a complex project that are not listed elsewhere within this scope of services. AECOM will work with the DOTD Project Manager to determine the proper team, scope, risk mitigation, and other costs to complete the task at hand. Some of the items listed within the scope of services are addressed below.

Tolling | Tolling includes complete payment systems, and requires knowledge of interoperability, congestion pricing and managed lane strategies. AECOM is leading the charge to solve today's mobility challenges throughout the US and Worldwide. Whether it's innovative customer service, advanced payment systems or evolving toll collection, we work with you to define, implement and operate your tolling and payment solutions.

ITS | More and more traditional transportation projects are being impacted by ITS infrastructure contained within their influence areas and from the incorporation of ITS technology into the projects. AECOM possesses experienced ITS staff with previous DB experience who will draft the ITS requirements. Our subconsultants from Vectura and Gresham Smith, as well as AECOM, have performed ITS assignments for DOTD and understand and appreciate DOTD's ITS program. We can support Design and Construction of any new or replacement of any ITS assets owned by DOTD.

ROW | AECOM will assist DOTD with in preparing ROW documents and deliverables. DOTD typically retains the risk for securing required ROW, whether prior to or after procurement of the project. AECOM will identify worst-case ROW requirements through our preliminary engineering work to appropriately identify risks and recommend mitigation strategies. AECOM is also familiar with creating public interest finding statements (PIFS) for DOTD if ROW cannot be fully procured prior to RFP advertisement. We are also familiar

with different commercial terms and contractual requirements to mitigate risks associated with unsecured ROW. We are prepared to solicit quotes when a Work Order requires additional services like appraisals or title work. These will be performed in accordance with the Federal Acquisition Regulation (FAR).

Lighting | Marrero, Couvillion, & Associates (MCA) will provide mechanical and electrical design, including roadway lighting. MCA has performed several road lighting tasks for traditional DBB and DB projects for DOTD. For aesthetic lighting, AECOM can also call upon our Bridge Architect, Bradley Touchstone

Public/Stakeholder Engagement | AECOM will assist DOTD with pre-award tasks required to explain the project to the public or government agencies and receive comments regarding project alternatives, impacts, schedule, and cost. Work may include assisting DOTD with agency or public meetings, preliminary designs and alternatives, preparing graphics and presentation materials, and providing displays.

Because aesthetic features are often developed with public involvement, we are prepared to develop concepts for presentation and public comment. We have worked closely with stakeholders, presenting alternatives for approval and determining their level of interest in including additional features at their cost. AECOM will work with DOTD to create visual quality guidelines for aesthetic elements within the RFP based on the preferred alternative(s).

AECOM hosted and developed a Virtual Reality Meeting Room for use in Public Meetings for the I-49 Lafayette Connector project (Ref. www.i49vr.com). This virtual reality room assisted the team in disseminating public information and holding public meetings during public gathering restrictions to combat the spread of COVID-19.

On the I-496 Lansing DB project, AECOM worked with Michigan DOT to show project stakeholders the cost and schedule benefits of allowing a full freeway closure, and also sought stakeholder input on aesthetic treatments for a noise wall located near a historic property.



Section 19




Gordie Howe International Bridge (P3/DBFOM), Windsor, ON, Canada, and Detroit, MI






AECOM acted as the lead designer and design manager for the Gordie Howe International Bridge project, a significant and complex endeavor involving over 800 staff, 25 subconsultants, and more than 30 AECOM offices across three continents. The bridge, which spans approximately 1.5 miles, connects Windsor, Ontario, Canada, with Detroit, Michigan, USA, linking to the new extension of Highway 401 in Ontario and the I-75 and I-96 in Michigan. The project was delivered through a public-private partnership (P3), with Bridging North America serving as the P3 client consortium 1. The Gordie Howe International Bridge project has been recognized with numerous awards, including the Outstanding Emerging Project Award from the National Council for Public-Private Partnerships in 2019.

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
	Bridge	4400021593, H.009859.5	Bridge Load Rating	\$2,128,352
	Planning			\$554,056
	Traffic			\$34,207
	Road	4400004128, H.004273.5	I-49 Connector	\$14,923
	Bridge			\$161,148
	Environmental			\$156,131
	Bridge	4400023921, H.011993.5	LA 10 Bayou Carron	\$1,383
	Bridge	4400023921, H.001970.5	LA 561 Boeuf River Bridge	\$2,092
	Geotech	44-4128, H.004273	I-49 Connector, Lafayette	\$497,533
	Geotech	44-18899, H.004791	LA 23: Belle Chasse Bridge & Tunnel (HBI)	\$161,498
	Geotech	44-18646, H.004100	I-10: CMAR 30% Segment 1 Design	\$51,017
	Geotech	44-1960 H.013897	I-10 / I-12 College Drive Flyover	\$221,495
	Geotech	44-19013, H.004100.5-2	I-10: LA 415 to Essen Lane on I-10 & I-12	\$10,652
	Geotech	H.04435	I-12 to Bush LA 3241 (LA36-LA 435) Construction Phase	\$47,956
	Geotech	44-8671, H.009266	I-10 (LA 73 to LA 30) Route I-10 Ascension Parish	\$59,148
	Geotech	44-19013, H.002244.5	Boudreaux Canal Bridge (LA 56)	\$160,589
	Geotech	44-17438 H.013284	MRB GBR LA 1 to LA 30 Connector	\$413,477
	Geotech	44-6189, H.004647.6	I-20 Mississippi River Bridge at Vicksburg	\$61,969
	Geotech	44-25025, H.015337, H.015452-63; 44-25026, H.015489-92; 44-25029, H.015341	Rural Bridge Replacement	\$468,930
	Geotech	44-24652, H.012842.5	LA 124 Ext. Near Larto Lake	\$61,539
	Geotech	44-24652, H.014265.5	N River Road Irving Branch	\$20,447
	Geotech	44-24652, H.012533.5	LA 1252 Bayou Pt Brule Bridge	\$36,674

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
 <p>C. H. Fenstermaker & Associates, L.L.C.</p>	Road	4400020291 H.012869	LA 182 / Renaud Roundabout	\$297,684
	Bridge	4400025023 H.015513	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Elenor Road Over Coulee	\$110,250
	Bridge	4400025023 H.015335	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Puma Road Over Coulee	\$187,750
	Bridge	4400025023 H.015516	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Beiber Road Over Nezpique Bayou	\$91,395
	Bridge	4400025023 H.015512	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Mullins Road Over Tate Bayou	\$111,750
	Bridge	4400025023 H.015511	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 E. Martial Ave Over Coulee	\$94,450
	Bridge	4400025023 H.015515	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Andover Road Over Indian Bayou Lateral	\$156,479
	Bridge	4400025023 H.015514	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Sarah Dee PKWY. Over Coulee	\$176,550
	Bridge	4400025023 H.015505	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Solid Wastewater Road Over Bayou Boeuf	\$76,300
	Bridge	4400025023 H.015510	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Phillip Street Over Drainage Bayou	\$177,050
	Bridge	4400025023 H.015509	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Huval Street Over True Canal	\$159,550
	Bridge	4400025023 H.015508	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 Adam Guidry Road Over Coulee	\$187,850



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
 C. H. Fenstermaker & Associates, L.L.C.	Bridge	4400025023 H.015507	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 - Minos Road Over Coulee	\$154,550
	Bridge	4400025023 H.015506	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 - Aristide Road Over Coulee	\$166,600
	Bridge	4400025023 H.015517	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program District 03 - Guegnon Street Over Youngs South Coulee	\$184,350
 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
 Gresham Smith	Traffic	4400005890 H.12018.5	Lafayette Adaptive Traffic Signals	\$4,453
	Road	4400019871 H.013720.5	LRSP Signs and Stripping, Bonner Street Bridge Pedestrian Improvements	\$1,544
	Road	4400019871 H.013073.5	LRSP/STRPPP Greenwells Springs & Wooddale Sidewalks	\$16,270
	Traffic	4400019871 H.015086.5	LRSP/STRPPP LA 14	\$13,158
	Road	H.013714.5	LRSP/STRPPP Valhi Boulevard Shared Use Path Signing and Striping	\$45,616
	Road	H.015196.5	LRSP/STRPPP DeSoto Signing and Striping	\$15,783
	Planning	H.010074.1	LA 70 at LA 3089 Stage 0	\$81,798
	CE&/OV / ITS	4400024424 H.013256.6	I-10 Scott to Lake Charles ITS CEI	\$14,458
	Road	H.014640	LRSP - St. Mary Parish	\$112,646


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
	Other (Financial/ Commercial)	4400005030 62873 - Project	Innovative Procurement and Alternative Delivery Support Services	\$0.00
	Other (Financial/ Commercial)	4400006553 4791.5 - Project	Innovative Procurement and Alternative Delivery Support Services	\$0.00
	Road	4400010428 H.004774.5 (L&A, Inc. 17E051.00)	Kansas Lane-Garrett Road Connector & I-20 Improvements, Ouachita Parish (Road Design-Urban & Rural Design-Controlled Access) (99% Complete)	\$12,770
	Bridge	4400025025 (L&A, Inc. 22E048.00)	Infrastructure Investing & Jobs Act (IIJA) Off- System Bridge Program – District 05 (13 Off-System Bridge Structures) (45.22% Complete)	\$491,000
	Survey	4400025025 (L&A, Inc. 22E048.00)	Infrastructure Investing & Jobs Act (IIJA) Off- System Bridge Program – District 05	\$155,080
	Survey	4400019714 H.008768.5 (L&A, Inc. 20S038.00)	IDIQ Contract for Hydrographic Surveys – Statewide (Districts 04, 05, 08 & 58) - Task Order No. 6 – Hydrographic Surveying Services Statewide (Districts 04, 05, 08 & 58) (30% Complete)	\$57,977
	Survey	4400017710 (L&A, Inc. 19S056.00)	IDIQ Contract for Topographic Surveys – Statewide No Active Task Order At This Time	N/A
	Road	H.015052	I-20 Widening Overlay	\$ 342,658
	N/A	N/A	None	N/A
	CPM	44-17485 H.002980.6	I-10 Overpass Over US 165 & Missouri Pacific Railroad – Calcasieu and Jefferson Davis Parish	\$63,406
	CPM	44-17485 H.003184.6	I-10 Texas State Line - East of Coone Guillory - Calcasieu Parish	\$107,881
	CPM	44-17485 H.012588.6	I-10: Atchafalaya Basin Bridge - West Baton Rouge P/L - District 61, Iberville Parish	\$22,929
	CPM	44-17485 H.009620.6-1	I-10: West of LA 108 to I-210 Interchange - Calcasieu Parish	\$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
	CPM	44-17485 H.010018	I-10: NO East Drain Canal Bridge Replace - District 02, Orleans Parish	\$25,261
	CPM	44-17485 H.004634.6	Juban Road Widening (I-12 to US 190) - Livingston Parish	\$15,031
	CPM	44-17485 H.009487.6	LA 1 Atchafalaya Bridge Clean & Paint - District 08, Avoyelles Parish	\$84,096
	CPM	44-17485 H.001234.6	LA 1: Port Allen Canal Bridge Replacement (Phase 1) (HBI) - West Baton Rouge Parish	\$40,583
	CPM	44-17485 H.002375	LA 16 Amite River Bridge near French Settlement - Livingston Parish	\$25,869
	CPM	44-17485 H.001820.6	LA 485: Bridges Near Allen - District 08, Natchitoches Parish	\$21,970
	CPM	44-17485 H.002424	LA 70 Sunshine Bridge - LA 22 - District 61, Ascension and St. James Parish	\$37,059
	CPM	44-4351 H.011220.6	NO CBD2 Carrollton-Lafitte Ave - District 02, Orleans Parish	\$16,955
	CPM	44-17485 H.013579.6	Pecue Lane/I-10 Interchange Phase 2 - District 61, East Baton Rouge Parish	\$2,175
	CPM	44-17485 H.003047.6	Pecue Lane/I-10 Interchange Phase III - District 61, East Baton Rouge Parish	\$60,222
	CPM	44-17485 H.000169.6	Union Pacific Railroad Bridge at Sicard - District 05, Ouachita Parish	\$22,283
	CPM	44-17485 H.000665.6	Union Pacific Railroad Overpass near Bonita (HBI) - District 05, Morehouse Parish	\$55,145
	CPM	44-17485 H.001344.6	US 190: LA 437 to US 190 BUS (Phase 1) - St. Tammany Parish	\$28,046
	CPM	44-17485 H.001344.6	US 190: LA 437 to US 190 BUS (Phase 1) - St. Tammany Parish	\$28,046
	CPM	44-17485 H.012876.6	US 90Z (I-10 - Magnolia Street) - District 02, Orleans Parish	\$20,707
	CPM	44-4351 H.012901.6-1	US90Z (Magnolia-Bodenger)	\$14,752
	Other (DBE)		44-26952	LA DBE Supportive Services 2023-2026

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
	Other (Engineering)	44-17597 H.013982	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62 LA 10 Spur, LA 402 Bridges Near Greensburg - St. Helena Parish	\$33,280
	Right-of-Way	44-17597 H.013996	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62 LA 1074, LA 1075: Bridges Near Rio - St. Tammany and Washington Parish	\$0
	Other (SUE)	44-19379	LA 30: EBR PL - I-10 - Ascension and Iberville Parishes	\$1,500
	Other (SUE)	44-19184 H.001820.6	LA 485 Bridges Near Allen Construction Inspection - Allen Parish	\$17,571
	Survey	44-16018 H.011310.5	Ford Street Extension - East Baton Rouge Parish	\$5,643
	Survey	44-16018 H.004100	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 52 - East Baton Rouge Parish	\$3,486
	Survey	44-16018 H.004100	I-10: LA 415 to Essen on I-10 and I-12 ROW Revisions TO 53 - East Baton Rouge Parish	\$1,063
	Other (SUE)	44-14659 H.005121.5	LA 1/LA 415 Connector - West Baton Rouge Parish	\$48,319
	Survey	44-14659 H.005121.5	LA 1/LA 415 Connector - West Baton Rouge Parish	\$1,117,757
	Survey	44-22830	Kimley Horn ADA Self-Evaluation	\$46,853
	Survey	44-16018 H.012001.5	LA 339 Canal and Creek Bridges - Vermilion Parish	\$4,393
	Survey	44-17711 H.012685.5	LA 385: Ryan Street Intersection Improvements - Calcasieu Parish	\$9,163
	Survey	44-16018 H.002244.5	LA 56: Boudreaux Canal MB Replacement - Terrebonne Parish	\$10,830
	Survey	44-19870 H.013722.5	Morgan City Sidewalks and Shared Use Path Safe Routes to Public Places Program - St. Mary Parish	\$20,209
	Survey	44-17597 H.013984	Rural Bridge Replacement Initiative - Districts 03, 07, 61, and 62	\$5,138



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
	Geotechnical	4400019014 H.003931.5-2	I-10: Calcasieu River Bridge Additional Borings	\$89,799
	Geotechnical	4400019014 H.002868	I-49 Frontage Road Bridges PDA Testing	\$193,157
	Materials	N/A H.014274	Hanks Dr. Landis Dr Ped Improvements	\$14,458
	Geotechnical	4400025027 H.015442 – 015449	IIJA Off System Bridge Program	\$164,859
	Geotechnical	4400025026 H.015338	IIJA Off System Bridge Program	\$180,000
	Geotechnical	4400025023 H.015335- 015517	IIJA Off System Bridge Program	\$285,000
	Geotechnical	4400025024 H.015518-.015336	IIJA Off System Bridge Program	\$216,000
	Material	N/A H.011645	LA 3002 Access Control State Project	\$2,400
	Environmental	4400012893 (SA1) H.004273.5	Lafayette Urban Section (I-49 Lafayette Connector) Phase II ESA, Lafayette Parish	\$22,751
	Geotechnical	4400006191 H.005967	Nelson Road Extension and Bridge	\$196,089
	Geotechnical	N/A H.011670.6	Loyola Interchange Design-Build	\$355,338
	Geotechnical	4400019014 H.012048.5	Caster Creek and Relief Bridges	\$246,956
	Geotechnical	4400019014 H.012537.5	LA 154, LA157 – Red Chute BYU & Flat RVR BRS	\$74,888
	N/A	N/A	None	N/A

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
	Traffic	4400017293 H.010616	LA 16: Bridges (Isabel to Sun) - St. Tammany and Washington Parish	\$74,429
	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	\$92,995
	CE&I	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	\$33,910
	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$14,740
	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	\$572
	Traffic	4400023075 H.013522	S. Lewis Street Widening	\$7,499
	ITS	4400016364 H.015136.4	Northshore Regional ITS Architecture Update	\$11,421
	ITS	4400017922	C/AV Team and Working Group Support	\$13,949
	ITS	44000020058 H.011507.1	Monroe Phase 3 SEA	\$29,217
	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	\$22,388

(Add rows as needed)

DO NOT SUM

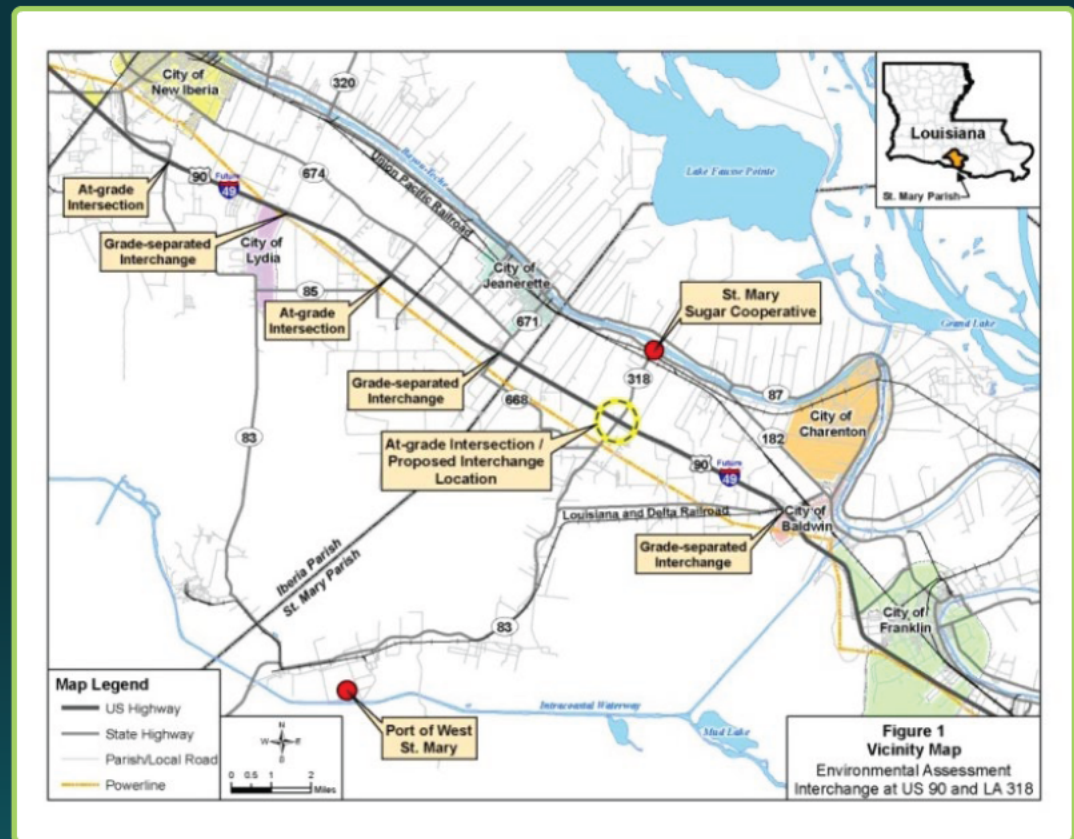
* The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other (please specify). If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. Do not round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. NOTE: ALL FIRMS MUST BE REPRESENTED IN THIS TABLE. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

Section 20

US 90/LA 318 Design Build Supplemental Environmental Assessment

AECOM lead the development of an expedited Supplemental Environmental Assessment for an Alternative Technical Concept (ATC). To meet schedule requirements AECOM had to complete the SEA with a FONSI in 120 days. Through close coordination with DOTD and FHWA AECOM met the highly expedited schedule.



20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.



CERTIFICATIONS





From: edelstein@tpcb.org
 To: edelstein@tpcb.org
 Cc: edelstein@tpcb.org
 Subject: TPCB PTOE Renewal Approval Notice
 Date: Thursday, October 26, 2012 10:58 AM EDT

Transportation Professional Certification Board Inc. 
 1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0509 • www.tpcb.org

Dr. Robert P. Edelstein, P.E., PTOE
 AECOM

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

Your certification is renewed through 11/19/2014.

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

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

Prior to the expiration of your PTOE, you will be notified of your renewal deadline. Additional examinations are not required if you renew within three-months of your expiration date 11/19/2014. Failure to renew within the 3-month grace period will result in a certified inactive letter and penalty fees for renewal. Visit our website for more information: <http://www.tpcb.org/PTOE/feeschedule.asp>

TPCB seeks to maintain the highest level of quality for its certification programs. Since its inception, the TPCB has required its certificate holders to maintain records with regard to fulfillment of continuing education requirements. Please be advised that as of January 1, 2013, TPCB is phasing in a policy in which 20% of certificate renewals will be randomly selected for audit and the certificate holder will be required to provide documentation (certificate of completion, course syllabus, meeting agenda/minutes, etc.) to demonstrate fulfillment of continuing education requirements. The professional record-keeping system available from ITE, provides a resource to record the dates of completion of continuing education and maintain the necessary supporting documentation.

The TPCB continues its efforts to grow and enhance the value of the PTOE and its other certifications. In 2013 the TPCB web site was redesigned and a new certification – the Road Safety Professional – was launched. Going forward the TPCB is committed to expanding the awareness of its certification programs, encouraging jurisdictions to give preference to certificants and growing the number of certified professionals.

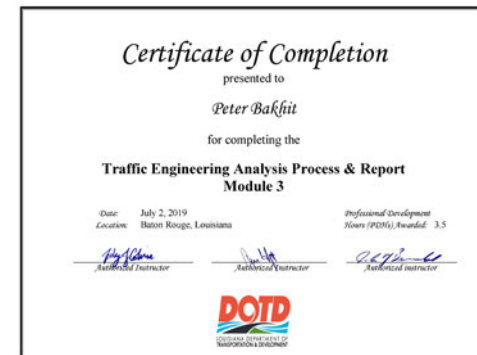
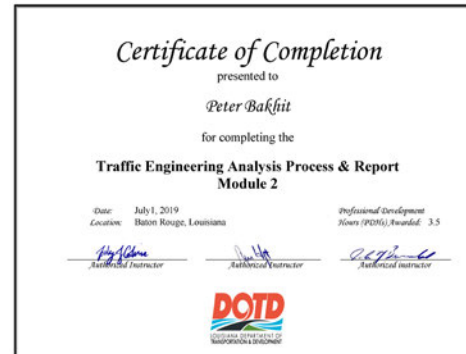
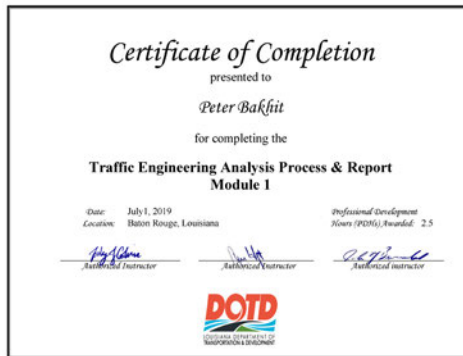
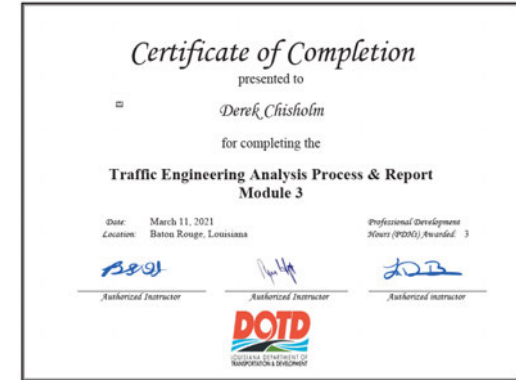
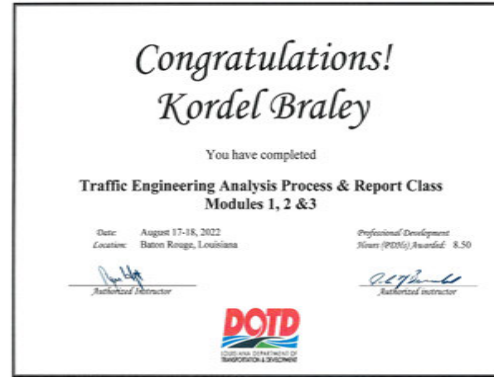
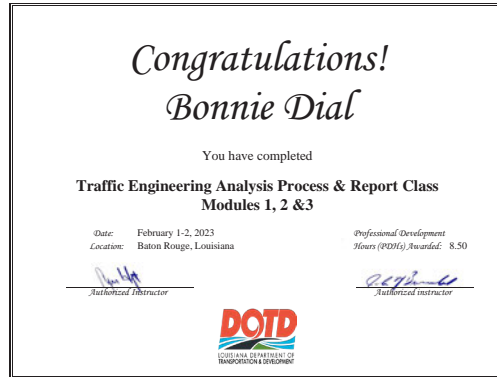
The TPCB distributes a quarterly newsletter and highlights the value of its certification programs through the [tpcb.org](http://www.tpcb.org) website. If you would like to contribute to the newsletter or website, please send any items of interest to: certification@tpcb.org.

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

Sincerely,

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







The Transportation Professional Certification Board

Certifies that

Mr. Ryan T. Eckenrode, P.E., PTOE, RSP2I
successfully renewed the Professional Traffic Operations Engineer® certification

Original Certification Date: 8/19/2010

Certification Valid Through: 8/19/2025

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 2899



The Transportation Professional Certification Board

Certifies that

Mr. Ryan T. Eckenrode, P.E., PTOE, RSP2I
successfully renewed the Road Safety Professional Infrastructure® (Level 2) certification

Original Certification Date: 8/3/2021

Certification Valid Through: 8/3/2024

Jeffrey F. Paniati,
Executive Director and CEO

Joseph C. Balskus, P.E., PTOE, RSP1
TPCB Chair

Certification Number: 88




CERTIFICATIONS



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
 As of 5/24/2024 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
 has the following information on file:

Mr. Jarmon Everett King II
 316 Highlandia Drive
 Baton Rouge, Louisiana 70802



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 935-6291
 www.lapels.com

← Cut here

Mr. Jarmon Everett King II

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

Status: **Active**

→ Fold here

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

LA R.S. 37:681 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be bonded by the Board prior to offering such services.

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

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PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jarmon King
 has attended
Louisiana Traffic Control Supervisor
 Training Course

11/8/2023 to 11/8/2027
 Training Valid Through

Baton Rouge, LA
 Location


 Vice President of Education and Technical Services

 President, CEO

ATSSA provides training and certification for traffic control employees by ATSSA.



American Traffic Safety Services Association ATSSA.com

TEMPORARY CERTIFICATE IS AWARDED TO

JARMON KING

Has successfully completed a flagger training course meeting the
 requirement of the

**LOUISIANA DEPARTMENT OF TRANSPORTATION &
 DEVELOPMENT**

on the following date

MAY 29, 2024

This certificate is valid for 30 days from completion date

with a government issued photo ID.

Verify this certificate against the information online using the code below to view certificates

190-57-111768

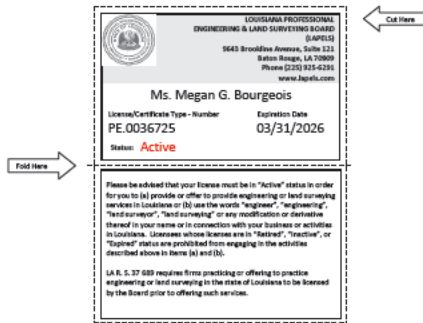
Enter the code to verify this certificate is an original at

<https://process.onlineflagger.com/duplicate>



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 5/29/2024 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
has the following information on file:

Ms. Megan G. Bourgeois
316 Highlandia Drive
Baton Rouge, Louisiana 70810



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

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Baton Rouge, Louisiana 70808



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 10/20/2024 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Robert Egli Rousset
13884 Cobblestone Drive
Denham Springs, Louisiana 70726



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

Mr. Robert Edwin Jewell

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

Status: **Active**


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

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

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

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

Mr. Robert Egli Rousset

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

Status: **Active**

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


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THE OFFICIAL SITE OF THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION



Department of Business & Professional Regulation

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LICENSEE DETAILS

Licensee Information

Name: MCGILLIVRAY, ROSS T (Primary Name)
Main Address: 10904 KEWANEE DRIVE
TEMPLE TERRACE Florida 33617
County: HILL SBOROUGH

License Information

License Type: Professional Engineer
Rank: Prof Engineer
License Number: 17920
Status: Current/Active
License Date: 11/03/1972
Expires: 02/28/2025

Special Qualifications Qualification Effective

Alternate Names

[View Related License Information](#)
[View License Complaint](#)



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Jewell
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

02/28/2020 to 02/25/2024
Date

Baton Rouge, LA
Location

Donna Clark
Vice President of Member Services

Alan Fischer
President, CEO

ATSSA provides training and certification for other certified employees by ATSSA.



American Traffic Safety Services Association ATSSA.com



C. H. Fenstermaker & Associates, L.L.C.

CERTIFICATIONS



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

Mr. Travis Steven Bodin

License/Certificate Type - Number	Expiration Date
PLS.0005067	03/31/2026

Status: **Active**




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

Mr. Justin Beau Bordelon

License/Certificate Type - Number	Expiration Date
PLS.0005271	03/31/2026

Status: **Active**




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

Mrs. Bradford Habetz Millett

License/Certificate Type - Number	Expiration Date
PLS.0005245	03/31/2025

Status: **Active**

CERTIFICATIONS



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

Mr. Herbert Eugene Moore II

License/Certificate Type - Number	Expiration Date
PE.0031065	09/30/2024
Status: Active	


Certificate of Completion
presented to
Bert Moore
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

Date: June 4, 2018	Professional Development
Location: Baton Rouge, Louisiana	Hours (PDHs) Awarded: 4

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor




Certificate of Completion
presented to
Bert Moore
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

Date: June 11, 2018	Professional Development
Location: Baton Rouge, Louisiana	Hours (PDHs) Awarded: 4

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor




Certificate of Completion
presented to
Bert Moore
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

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

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor


[Signature]
Authorized instructor



CERTIFICATIONS



CERTIFICATIONS



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

Mr. Julian Van Bordelon


License/Certificate Type - Number Expiration Date
PE.0047473 **09/30/2025**

Status: Active

Certificate of Completion
presented to
Julian Bordelon
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

Date: July 1, 2019 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 2.5


Julian Bordelon *John Hill* *Robert Powell*
Authorized Instructor Authorized Instructor Authorized Instructor



Certificate of Completion
presented to
Julian Bordelon
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

Date: July 1, 2019 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3.5


Julian Bordelon *John Hill* *Robert Powell*
Authorized Instructor Authorized Instructor Authorized Instructor



Certificate of Completion
presented to
Julian Bordelon
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

Date: July 2, 2019 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3.5


Julian Bordelon *John Hill* *Robert Powell*
Authorized Instructor Authorized Instructor Authorized Instructor



CERTIFICATIONS



CERTIFICATIONS



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

Ms. Christina Marie Florez

License/Certificate Type - Number	Expiration Date
PE.0038799	09/30/2024

Status: Active


Certificate of Completion
presented to
Christina Florez
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

Date: July 16, 2018	Professional Development
Location: Baton Rouge, Louisiana	Hours (PDHs) Awarded: 2

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor




Certificate of Completion
presented to
Christina Florez
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

Date: July 23, 2018	Professional Development
Location: Baton Rouge, Louisiana	Hours (PDHs) Awarded: 3

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor




Certificate of Completion
presented to
Christina Florez
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

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

[Signature]
Authorized Instructor

[Signature]
Authorized Instructor

[Signature]
Authorized instructor



CERTIFICATIONS




American Wick Drain Corporation
1209 Airport Road
Monroe, NC 28110
PH: 800.242.9425
FX: 704.296.0690

The individual named below attended the continuing education program as described.

Name:	Brennon Hughes	Registration #:	39985	State:	LA
Organization:	Gresham Smith + Partners				
Address:	1000 Perkins Rowe Suite 280				
City / ST / Zip:	Baton Rouge, LA 70810				
Course Date:	5/15/2018				
Title Of Registered Course	Contact Hours	Provider Name	Format	Content Development Resources	
Geocomposite Drains in Civil Design	1 hour	American Wick Drain Corporation	Lecture		
Covers Health, Safety and Welfare	Professional Development	Course Number	Grade Received (if exam used)	Material Resources	
Yes	1 hour	AWD-007		PowerPoint Presentation	

Learning Objectives:
The attendee will learn the differences between conventional drainage design with pipe and how its performance compares to designing with geocomposites. The course will cover the history of geocomposites for drainage, the basic principles of drainage design, the installation methods and various drainage applications. Topics discussed will include soil permeability, soil weight and lateral earth pressure and the overall effect drainage has on the design approach. Applications discussed will include landscape area, planting beds, retaining walls, green roofs and sports fields. The appropriate product for each application will be presented for commonly encountered soil types in most geographical areas. Attendees should expect to understand basic drainage principles, and be able to choose and specify a geocomposite drainage design for most common civil design applications.



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

Mr. Brennon Gilbert Hughes

License/Certificate Type - Number	Expiration Date
PE.0039985	03/31/2026
Status: Active	

Certificate of Attendance
presented to
Brennon Hughes
for attending
**Advanced Highway Safety Manual Training –
Interactive Highway Safety Design Model (IHSDM)**
16 Professional Development Hours
June 5-6, 2018
Baton Rouge, Louisiana

Authorized Instructor 




PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brennon Hughes
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

8/5/2022 to 8/5/2026
Training Valid Through

Baton Rouge, LA
Location


Director of Training

President, CEO

©2024 provides training and certification for member associates employed by ATSSA.




Certificate of Training
PRESENTED BY
Louisiana Local Technical
Assistance Program
TO CERTIFY THAT
Brennon Hughes
HAS SATISFACTORILY COMPLETED 6 PROFESSIONAL DEVELOPMENT HOURS IN:
Safety of Vulnerable Road Users Workshop


Director, LTAP



August 22nd, 2023
Date
New Orleans, Louisiana
Location

CERTIFICATIONS



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

Mrs. Rebecca L. Murray


License/Certificate Type - Number Expiration Date
PE.0043788 **03/31/2026**

Status: **Active**

Certificate of Completion
presented to
Rebecca LaPorte
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

Date: July 16, 2018 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 2


[Signature] *[Signature]* *[Signature]*
Authorized Instructor Authorized Instructor Authorized Instructor



Certificate of Completion
presented to
Rebecca LaPorte
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

Date: July 23, 2018 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3


[Signature] *[Signature]* *[Signature]*
Authorized Instructor Authorized Instructor Authorized Instructor




Certificate of Completion
presented to
Rebecca LaPorte Murray
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

Date: October 15, 2018 Professional Development
Location: Baton Rouge, Louisiana Hours (PDHs) Awarded: 3

[Signature] *[Signature]* *[Signature]*
Authorized Instructor Authorized Instructor Authorized Instructor







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

Mr. Ronnie Lee Robinson

License/Certificate Type - Number

Expiration Date

PE.0024040

03/31/2026

Status: Active



American Wick Drain Corporation
1209 Airport Road
Monroe, NC 28110
PH: 800.242.9425
FX: 704.296.0690

The individual named below attended the continuing education program as described.

Name:	Ronnie Robinson	Registration #:	24040	State: LA
Organization:	Gresham Smith + Partners			
Address:	1000 Perkins Rowe Suite 280			
City /ST / Zip:	Baton Rouge, LA 70810			
Course Date:	5/15/2018			
Title Of Registered Course	Contact Hours	Provider Name	Format	Content Development Resources
Geocomposite Drains in Civil Design	1 hour	American Wick Drain Corporation	Lecture	
Covers Health, Safety and Welfare	Professional Development	Course Number	Grade Received (if exam used)	Material Resources
Yes	1 hour	AWD-007		PowerPoint Presentation

Learning Objectives:
The attendee will learn the differences between conventional drainage design with pipe and how its performance compares to designing with geocomposites. The course will cover the history of geocomposites for drainage, the basic principles of drainage design, the installation methods and various drainage applications. Topics discussed will include soil permeability, soil weight and lateral earth pressure and the overall effect drainage has on the design approach. Applications discussed will include landscape area, planting beds, retaining walls, green roofs and sports fields. The appropriate product for each application will be presented for commonly encountered soil types in most geographical areas. Attendees should expect to understand basic drainage principles, and be able to choose and specify a geocomposite drainage design for most common civil design applications.



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

Mr. Courtney Jermaine Rome

License/Certificate Type - Number Expiration Date
PE.0043355 **09/30/2025**

Status: **Active**



Certificate of Training
Courtney J. Rome
has completed training in
-AASHTO LRFD Bridge Design Specifications (Zone 1 & 2)
-Guide Specifications for LRFD Seismic Bridge Design (SDC A & B)

Location: Little Rock, Arkansas Hours of Instruction (PDH): **4.5**
Dates: April 9, 2014 Continuing Education Units: **0.45**

Derrell Mancoff
Derrell Mancoff, P.E.
Senior Structural Engineer
Federal Highway Administration
Resource Center




National Highway Institute
Certificate of Training
COURTNEY ROME
has participated in
FHWA-NHI-130056 Safety Inspection of In-Service Bridges for Professional Engineers
hosted by
LA DOTD/LTRC

Date: May 13-17, 2019 Hours of Instruction: 34
Location: Baton Rouge, LA

William A. Robinson, P.E.
Instructor
Randall L. PE
Instructor

William H. Landry
Local Coordinator
Michael Davis
Michael Davis, Director
National Highway Institute




National Highway Institute
Certificate of Training
Courtney Rome
has participated in
FHWA-NHI-132070 Drilled Shaft Foundation Inspection
hosted by
Arkansas Highway and Transportation Department

Date: June 6-8, 2017 Hours of Instruction: 14.0
Location: Little Rock, AR

David Stewart
Instructor
Valerie Briggs
Valerie Briggs, Director
National Highway Institute




Certificate of Training

this certifies that
Courtney Rome
 has successfully completed

MASH Criteria Training
 Presented by Trinity Highway Product and Gulf Material Sales
 on April 13, 2016 in Little Rock Arkansas

Professional Development Hours (PDH) – 2

Signed: *Chuck Boyd* Date: 4-13-16
 Chuck Boyd, P.E.



Please select the date you attended the course:
 Tuesday, May 1, 2011
 Wednesday, May 2, 2010

In cooperation with the Louisiana Department of Transportation & Development presents this


Certificate of attendance and participation for:


Courtney Rome

Training Course:
 Maintenance and Rehabilitation of Historic Bridges


Transportation Training and Education Center
 4098 Goumier Avenue, Room 175
 Baton Rouge, Louisiana 70808

You have earned 6 PDH units that can be applied to applicable continuing education requirements for professional engineering licensure.


 Mead & Hunt Instructor
 Amy Spitzer


 John A. Rankin, PE, SE

C E R T I F I C A T E O F T R A I N I N G



This Certifies that
Courtney Rome
 of
Sunbelt Rentals


Has attended Mobile Elevating Work Platform Operator Training

MEWP's Trained on:
 ANSI MEWP Operator Boom Lifts 3b,
 Scissor Lifts 3a

Trainer:
 Julio Torres
 Date of Training:
 3/18/2022

Expires 5 Years from Above Date

C E R T I F I C A T E O F T R A I N I N G



This Certifies that
Courtney Rome
 of
Sunbelt Rentals

Has attended Mobile Elevating Work Platform Operator Training

MEWP's Trained on:
 ANSI MEWP Operator Boom Lifts 3b,
 Scissor Lifts 3a

Trainer:
 Julio Torres
 Date of Training:
 4/18/2022

Expires 5 Years from Above Date

As holder of this card, I pledge to follow all ANSI and standards for the safe operation lifts and any other applicable safety guidelines for construction and industry as well as:

1. Read and Familiarize myself with all manuals for each AWP
2. Conduct a Pre-lift inspection before each day of before each use and
3. Ensure operators are trained
4. Perform a Workplace Inspection.
5. Ensure that before each movement or repositioning of the lift

The AWP is operated on a surface within the limits specified by the manufacturer.

Outriggers, extendable arms, or other stability enhancing means are used as required by the manufacturer.

Guardrails are installed and access gates or openings are closed per the manufacturer's instructions.

The load and its distribution on the platform are in accordance with the manufacturer's rated capacity.

There is adequate overhead clearance.

Operation in Minimum Safe Approach Distance (MSAD) from energized power lines.

All PPE is worn including a personal harness and lanyard attached to the manufacturer's anchorage point.

- 6. Follow all manufacturer's warnings and instructions.

OnlineFlagger.com

CERTIFICATE

IS AWARDED TO

COURTNEY ROME

Has successfully completed a flagger training course meeting the requirements of the

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

on the following date

NOVEMBER 22, 2019

Valid for 4 years from completion date.
 This temporary/back-up certificate is valid with a government-issued photo ID.

Use the code below to validate this certificate's authenticity, or get copies.

1253-1061-73590

To validate this code go to
<http://onlineflagger.com/temporary-certificate-validate/>

CERTIFICATIONS



**SOCIETY OF PROFESSIONAL
ROPE ACCESS TECHNICIANS**



Acknowledges that
COURTNEY ROME
*has demonstrated through practical and written examinations,
attainment of SPRAT's
Certification Requirements for Rope Access Work,
and is therefore*
CERTIFIED
Level 1 Rope Access Technician

SPRAT # 2100331
AWARDED: February 26, 2021
Expires: February 26, 2024



©2013 - Present; Society of Professional Rope Access Technicians



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Courtney Rome
has attended
Traffic Control Supervisor-LA State Specific
Training Course


8/3/2022 to 8/3/2026
Training Valid Through

Baton Rouge, LA
Location



Director of Training
President, CEO

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

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

Mr. Richard Linton Savoie Jr.

License/Certificate Type - Number	Expiration Date
PE.0020936	09/30/2024
Status: Active	




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

Mr. Thong Quang Tran

License/Certificate Type - Number	Expiration Date
PE.0032072	03/31/2026
Status: Active	

CERTIFICATIONS



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**

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

Mr. John Steven Weres

License/Certificate Type - Number Expiration Date
PE.0036429 **09/30/2025**

Status: **Active**



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Weres
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

6/30/2021 to 6/30/2025
Training Valid Through

Baton Rouge, LA
Location

Raymond...
Director of Training

Alison...
President, CEO

ATSSA provides training and certification for neither, nor does it employ by ATSSA.



American Wick Drain Corporation
1209 Airport Road
Monroe, NC 28110
PH: 800.242.9425
FX: 704.296.0690

The individual named below attended the continuing education program as described.

Name:	John Weres	Registration #:	36429	State:	LA
Organization:	Gresham Smith + Partners				
Address:	1000 Perkins Rowe Suite 280				
City / ST / Zip:	Baton Rouge, LA 70810				
Course Date:	5/15/2018				
Title Of Registered Course	Contact Hours	Provider Name	Format	Content Development Resources	
Geocomposite Drains in Civil Design	1 hour	American Wick Drain Corporation	Lecture		
Covers Health, Safety and Welfare	Professional Development	Course Number	Grade Received (if exam used)	Material Resources	
Yes	1 hour	AWD-007		PowerPoint Presentation	

Learning Objectives:
The attendee will learn the differences between conventional drainage design with pipe and how its performance compares to designing with geocomposites. The course will cover the history of geocomposites for drainage, the basic principles of drainage design, the installation methods and various drainage applications. Topics discussed will include soil permeability, soil weight and lateral earth pressure and the overall effect drainage has on the design approach. Applications discussed will include landscape area, planting beds, retaining walls, green roofs and sports fields. The appropriate product for each application will be presented for commonly encountered soil types in most geographical areas. Attendees should expect to understand basic drainage principles, and be able to choose and specify a geocomposite drainage design for most common civil design applications.



CONTRACTOR
MEMBER ISSUED EXPIRES
892395 05/12/2012 05/06/2014

John Weres
PRIMARY EMPLOYER
Gresham Smith
222 Second Avenue South
Suite 1400 (HR/Safety)
Nashville, TN 37201
615-770-8100

THIS BADGE AND A GOVERNMENT ISSUED PHOTO ID MUST BE CARRIED AT ALL TIMES WHEN ON RAILROAD PROPERTY, PRESENTED ON DEMAND, OR WORN (DISPLAYED) WHEN AND WHERE REQUIRED.

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CSX 800.232.8144 MS Central 600.451.2534 Railinc 919.661-0000

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Holtsville, NY 11742



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Date Printed: 05/18/2012 Licensed Under U.S. Patent No. 6,775,721



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training



John Weres
has participated in
FHWA-NHI-130055 Safety Inspection of In-Service Bridges
hosted by
Kansas Department of Transportation

Date: February 2-13, 2015 **Hours of Instruction:** 67
Location: Topeka, Kansas

Guy R. Lang PE Bucky Welsh
Instructor Local Coordinator

William R. Gardner PE Valerie Briggs
Instructor Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training



John Weres
has participated in
FHWA-NHI-130055 Safety Inspection of In-Service Bridges
hosted by
Kansas Department of Transportation

Date: February 2-13, 2015 **Hours of Instruction:** 67
Location: Topeka, Kansas

Guy R. Lang PE Bucky Welsh
Instructor Local Coordinator

William R. Gardner PE Valerie Briggs
Instructor Valerie Briggs, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training




JOHN WERES
has participated in
FHWA-NHI-130078 Fracture Critical Inspection Techniques for Steel Bridges
hosted by
LA DOTD/LTRC

Date: February 26 – March 1, 2019 **Hours of Instruction:** 25
Location: Baton Rouge, LA

John Weres Allison H. Landrey
Instructor Local Coordinator

Brian D. Dethrick Michael Davies
Instructor Michael Davies, Director
National Highway Institute



U.S. Department of Transportation
Federal Highway Administration

National Highway Institute
Certificate of Training



John Weres
has participated in
FHWA-NHI-130091B Underwater Bridge Repair, Rehabilitation, and Countermeasures
hosted by
Texas Department of Transportation

Date: July 17 – 18, 2018 **Hours of Instruction:** 14
Location: Fort Worth, TX

Instructor

Valerie Briggs
Local Coordinator

Instructor

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

Operator Training Certificate

This is to certify that
JOHN WERES
has successfully achieved the high standards required for the operation of the following
aerial work platforms

Special (SPECIAL)

Certificate No:
AOP/0019102
Date Issued:
10/10/2019
Expiry Date:
31/10/2024




Training Center where the course was conducted
AMP Sales and Services LLC



The world authority in powered access
Operating aerial work platforms (AWP) and AWP/SCA worldwide
IPAF cards were formerly issued by IAPF, in the US and Canada.
Warning: This certificate does not constitute proof of training.
Only a current PAL Card provides proof of training proficiency.

www.ipaf.org



Please select the date you attended the course:

- Tuesday, April 12, 2016
- Wednesday, April 13, 2016
- Tuesday, May 10, 2016
- Wednesday, May 11, 2016
- Tuesday, July 12, 2016
- Wednesday, July 13, 2016

In cooperation with the
Louisiana Department of Transportation & Development
presents this


Certificate of attendance and participation for:

John S. Weres


Training Course:
Maintenance and Rehabilitation of Historic Bridges

Transportation Training and Education Center
4098 Gourmar Avenue, Room 179
Baton Rouge, Louisiana 70809

You have earned 8 PDH units that can be applied to applicable
continuing education requirements for professional engineering
licensure.



Mead & Hunt Instructor
Amy Squibb



Mead & Hunt Instructor
Derral Berry, PE, SE



National Highway Institute

Certificate of Training

JOHN WERES

has participated in

**FHWA-NHI-130078 Fracture Critical Inspection
Techniques for Steel Bridges**

hosted by

LA DOTD/LTRC

Date: February 26 – March 1, 2019 Hours of Instruction: 25
Location: Baton Rouge, LA

Instructor: 
Brian D. Duttine

Local Coordinator: 
Allison H. Landray

Instructor: 
Michael Davis, Director
National Highway Institute



National Highway Institute

Certificate of Training

John Weres

has participated in

**FHWA-NHI-130092 Load and Resistance Factor Rating of
Highway Bridges**

hosted by

Mississippi Department of Transportation

Date: June 07-10, 2022 Hours of Instruction: 24
Location: Jackson, MS

Instructor: 
David B. White

Local Coordinator: 
Susan Purpura

Instructor: 
Thomas Harman

Local Coordinator: 
Thomas Harman, Director
National Highway Institute




National Highway Institute

Certificate of Training

John Weres

has participated in

FHWA-NHI-130087 Inspection and Maintenance of Ancillary Highway Structures

hosted by

COLLIERS ENGINEERING & DESIGN


Date: *October 28-29, 2021* Hours of Instruction: 12

Location: *Miami, FL*

Thomas M. Brown *Cory Joseph Hagan*
 Instructor Local Coordinator

Stacy Miller *Thomas Harman*
 Instructor Thomas Harman, Director
 National Highway Institute

CERTIFICATE OF TRAINING




This Certifies that
John Weres
of
Gresham Smith

Has attended Mobile Elevating Work Platform Operator Training

MEWP's Trained on:
ANSI MEWP Operator Boom Lifts 30,
Scissor Lifts 30

Trainer:
Julio Torres
Date of Training:
3/18/2022
Expires 5 Years from Above Date

CERTIFICATE OF TRAINING



This Certifies that
John Weres
of
Gresham Smith

Has attended Mobile Elevating Work Platform Operator Training

MEWP's Trained on:
ANSI MEWP Operator Boom Lifts 30,
Scissor Lifts 30

Trainer:
Julio Torres
Date of Training:
4/18/2022
Expires 5 Years from Above Date

As holder of this card, I pledge to follow all ANSI A82 standards for the safe operation lifts and any other applicable safety guidelines for construction and industry as well as:

- 1) Read and Familiarize myself with all manuals for each AMP
- 2) Conduct a Pre-use Inspection before each day or before each work shift
- 3) Ensure operators are trained
- 4) Perform workplace inspection
- 5) Ensure that before each movement or repositioning of the lift

The lift is operator on a surface within the limits specified by the manufacturer.
Outriggers, extendible outriggers, or other stability enhancing means are used as required by the manufacturer.
Overdrills are installed and secure gales or springs are closed per the manufacturer's instructions.
The load evenly distributed on the platform and in accordance with the manufacturer's rated capacity.
There is adequate overhead clearance.
Maintain the Minimum Safe Approach Distance (MSAD) from energized power lines.
All PPE is worn including a personal harness and inert attached to the manufacturer's anchor age point.
6) Follow all manufacturer's warnings and instructions



Certificate of Completion

This certifies that

John Weres

Has successfully completed all requirements defined in ANSI Regulation A92.24 to be qualified as a

**Mobile Elevated Work Platform
Bucket Operator: Group B, Type 2**


 Oct 10th, 2019 *Mark Lutz*
ESP-101824 Date Mark Lutz, Trainer

www.ampservicesllc.com

Certificate of Training

this certifies that

John Weres

has successfully completed the training program requirements for


National Flagger Certification Training Course

Awarded on this 4th day of October 2023

This certificate is valid for 30 days from the date awarded.



CERTIFICATIONS



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




Mr. Alben Paul Cooper III


License/Certificate Type - Number	Expiration Date
PE.0036291	09/30/2025

Status: Active

Certificate of Completion
presented to
Alben Cooper
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**




Date: February 25, 2019	Professional Development
Location: Bridge City, Louisiana	Hours (PDHs) Awarded: 2


 Authorized Instructor	 Authorized Instructor	 Authorized instructor
--	--	--



Certificate of Completion
presented to
Alben Cooper
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**




Date: February 25, 2019	Professional Development
Location: Bridge City, Louisiana	Hours (PDHs) Awarded: 3


 Authorized Instructor	 Authorized Instructor	 Authorized instructor
--	--	--



Certificate of Completion
presented to
Alben Cooper
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

Date: February 26, 2019	Professional Development
Location: Bridge City, Louisiana	Hours (PDHs) Awarded: 3

 Authorized Instructor	 Authorized Instructor	 Authorized instructor
--	--	--



CERTIFICATIONS





CERTIFICATIONS





CERTIFICATIONS



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 2/6/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Christian Stephen Schade
8 Park Lane
Folsom, Louisiana 70437

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>		← Cut Here
Mr. Christian Stephen Schade		
License/Certificate Type - Number	Expiration Date	
PE.0032483	09/30/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 12/06/2018, the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Maffitt Kimball Schlaf
121 South Genois Street
New Orleans, LA 70119

 <p>LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>		← Cut Here
Mr. Maffitt Kimball Schlafly		
License/Certificate Type - Number	Expiration Date	
PE.0027699	09/30/2022	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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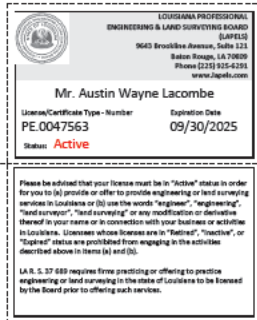
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CERTIFICATIONS



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 10/10/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
has the following information on file:

Mr. Austin Wayne LaCombe
11031 Cloverleaf Drive
Denham Springs, Louisiana 70706



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

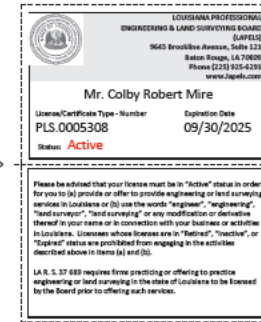
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 10/10/2022 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
has the following information on file:

Mr. Colby Robert Mire
536 English Oak Drive
Madisonville, Louisiana 70447



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CERTIFICATIONS



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
 As of 10/10/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
 has the following information on file:

Mrs. Karen McCormick Kennedy
 36467 Oak Park Avenue
 Prairieville, Louisiana 70769



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

Mrs. Karen McCormick Kennedy

License/Certificate Type - Number	Expiration Date
PE.0028547	09/30/2025
Status: Active	

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

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

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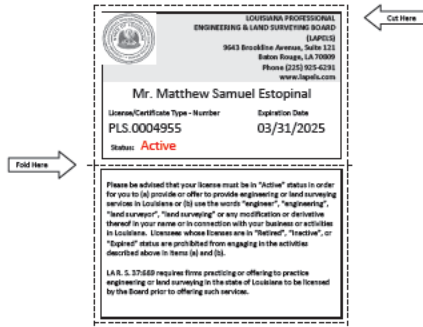
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 5/18/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
has the following information on file:
Mr. Matthew Samuel Estopinal
8170 Highland Road
Baton Rouge, Louisiana 70808

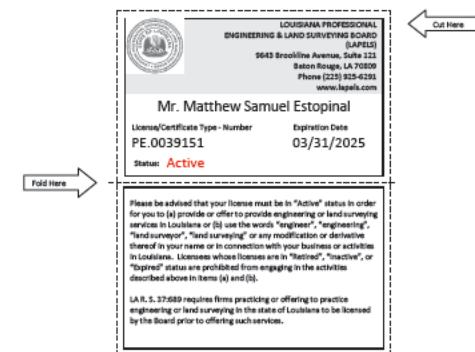


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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 5/18/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS)
has the following information on file:
Mr. Matthew Samuel Estopinal
8170 Highland Road
Baton Rouge, Louisiana 70808



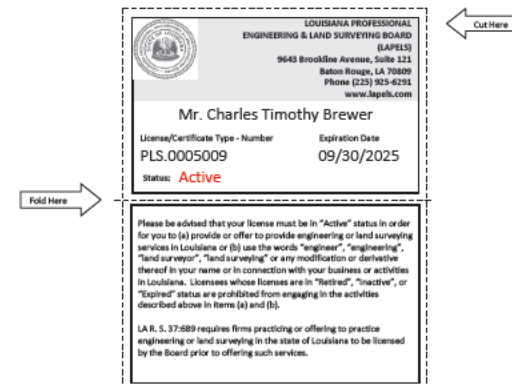
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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD
As of 10/9/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Charles Timothy Brewer
P. O. Box 9
Mize, Mississippi 39116



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CERTIFICATIONS





CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Jason M Maloney

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Risk Assessor

Accreditation No. MR178741 AI No. 128741
Date of Issuance January 20, 2024 Expiration March 2, 2025

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Steven M Latolais

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Inspector

Accreditation No. MI200658 AI No. 200658
Date of Issuance March 18, 2024 Expiration March 21, 2025

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Steven Latolais

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Management Planner

Accreditation No. NP200658 AI No. 200658
Date of Issuance December 27, 2023 Expiration November 29, 2024

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Steven Latolais

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Trainer - Contractor/Supervisor - Initial, Contractor/Supervisor - Refresher, Inspector - Initial, Inspector - Refresher, Management Planner - Initial, Management Planner - Refresher, Worker - Initial, Worker - Refresher

Accreditation No. IT200658 AI No. 200658
Date of Issuance July 31, 2023 Expiration July 31, 2024

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Steven M Latolais

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Risk Assessor

Accreditation No. ME200658 AI No. 200658
Date of Issuance March 28, 2024 Expiration March 9, 2025

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Taylor Pack

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Inspector

Accreditation No. QI202077 AI No. 202077
Date of Issuance September 26, 2023 Expiration October 11, 2024

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Taylor Pack

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Risk Assessor

Accreditation No. QI202077 AI No. 202077
Date of Issuance September 26, 2023 Expiration October 17, 2024

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Taylor Pack

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Inspector

Accreditation No. NI202077 AI No. 202077
Date of Issuance November 21, 2023 Expiration November 17, 2024

Failure to comply with all applicable provisions of L.A.S. 3015.E, (1)(a) and L.A.S. 3015.F, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Jolley
Public Participation & Permit Support Division
Office of Environmental Services



CERTIFICATIONS

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Adam McEvoy

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Inspector

Accreditation No. 12121568 AI No. 201568
Date of Issuance October 17, 2023 Expiration November 20, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Adam McEvoy

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Contractor/Supervisor

Accreditation No. 10281568 AI No. 201568
Date of Issuance December 7, 2023 Expiration December 15, 2024

Failure to comply with all applicable provisions of La. S.S. 20251, (1)(a) and La. R.S. 20251, (2)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Adam McEvoy

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Inspector

Accreditation No. 12121568 AI No. 201568
Date of Issuance December 7, 2023 Expiration December 15, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Cody Vanderlick

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Inspector

Accreditation No. 11239639 AI No. 239639
Date of Issuance July 20, 2023 Expiration July 20, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Cody Vanderlick

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Risk Assessor

Accreditation No. 10239639 AI No. 239639
Date of Issuance July 20, 2023 Expiration July 20, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Jeffrey A Delise

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Risk Assessor

Accreditation No. 10190224 AI No. 190224
Date of Issuance July 20, 2023 Expiration July 12, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Jeffrey A Delise

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Contractor/Supervisor

Accreditation No. 20312624 AI No. 126224
Date of Issuance November 3, 2023 Expiration November 3, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Jeffrey A Delise

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Lead Inspector

Accreditation No. 11126224 AI No. 126224
Date of Issuance July 20, 2023 Expiration July 11, 2024

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Jeffrey A Delise

Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Inspector

Accreditation No. 10126224 AI No. 126224
Date of Issuance February 21, 2024 Expiration March 15, 2025

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

Charles Inley
Public Participation & Permit Support Division
Office of Environmental Services

STATE OF LOUISIANA
DEPARTMENT OF ENVIRONMENTAL QUALITY

certifies that
Gregory S Pellerin

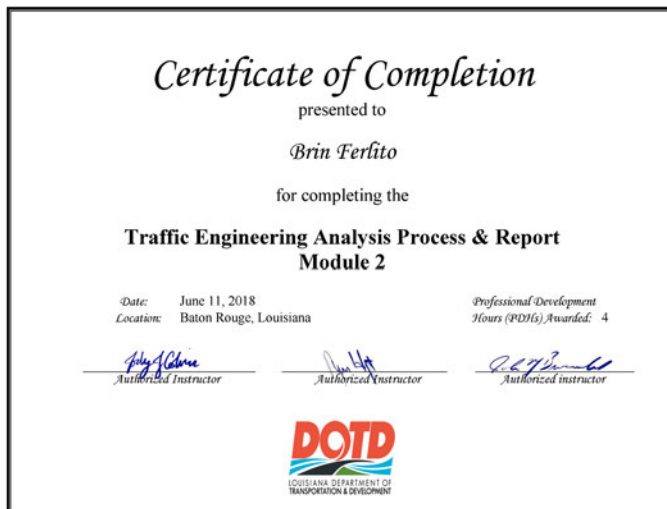
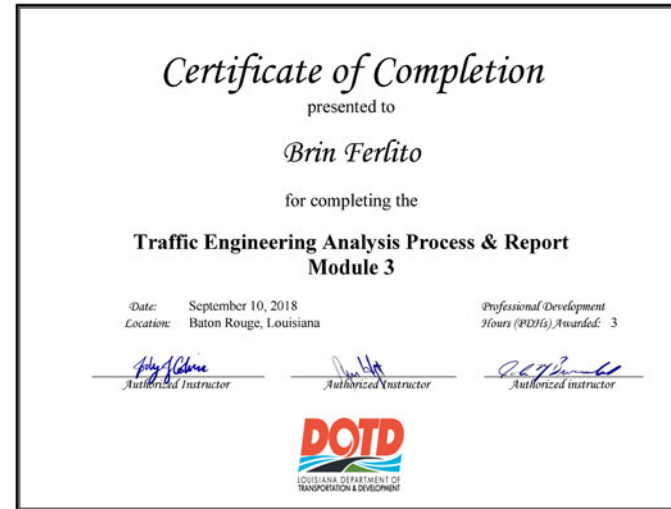
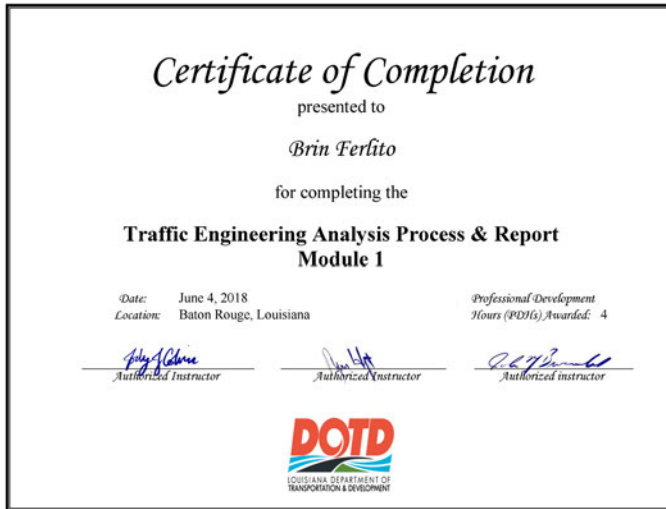
Has complied with all requirements of the Louisiana Department of Environmental Quality and is authorized to perform the duties of
Asbestos Contractor/Supervisor

Accreditation No. 10523724 AI No. 237261
Date of Issuance May 21, 2024 Expiration March 21, 2025

Failure to comply with all applicable provisions of La. R.S. 10152, (1)(a) and La. R.S. 10153, (1)(a) may result in civil and/or criminal enforcement action by the State.

And W
Public Participation & Permit Support Division
Office of Environmental Services

CERTIFICATIONS







CERTIFICATIONS

Certificate of Completion
presented to
Laurence Lambert
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

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

Professional Development
Hours (PDHs) Awarded: 3





Authorized Instructor
 
Authorized Instructor
 
Authorized instructor




Certificate of Completion
presented to
Reece Rodrigue
for completing the
**Traffic Engineering Analysis Process & Report
Module 1**

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

Professional Development
Hours (PDHs) Awarded: 2





Authorized Instructor
 
Authorized Instructor
 
Authorized instructor




Certificate of Completion
presented to
Laurence Lambert
for completing the
**Traffic Engineering Analysis Process & Report
Module 3**

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

Professional Development
Hours (PDHs) Awarded: 3





Authorized Instructor
 
Authorized Instructor
 
Authorized instructor




Certificate of Completion
presented to
Reece Rodrigue
for completing the
**Traffic Engineering Analysis Process & Report
Module 2**

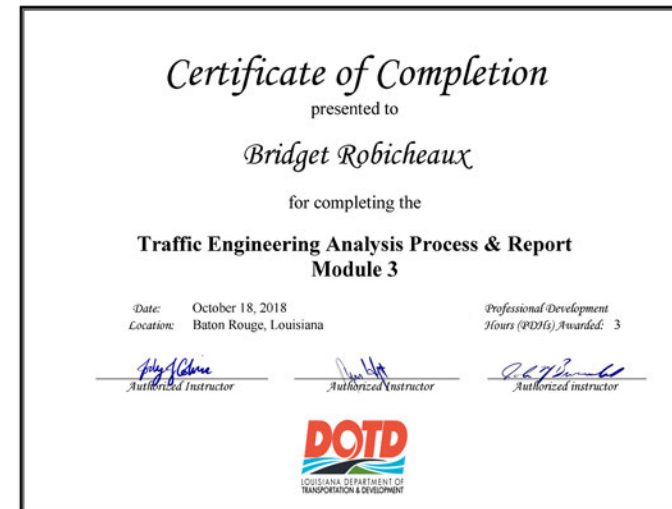
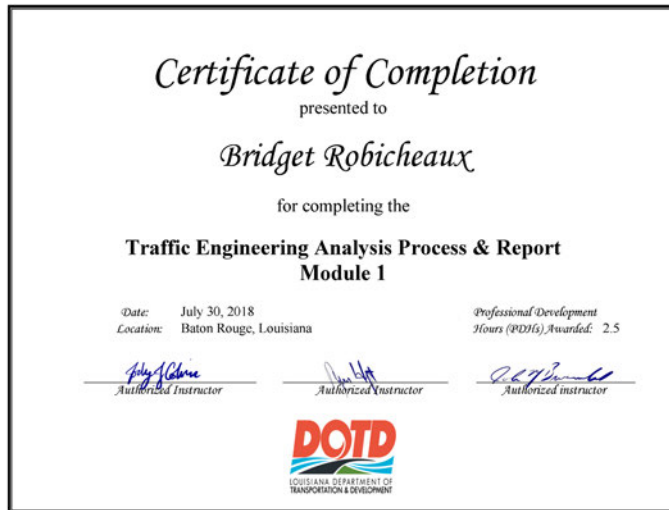
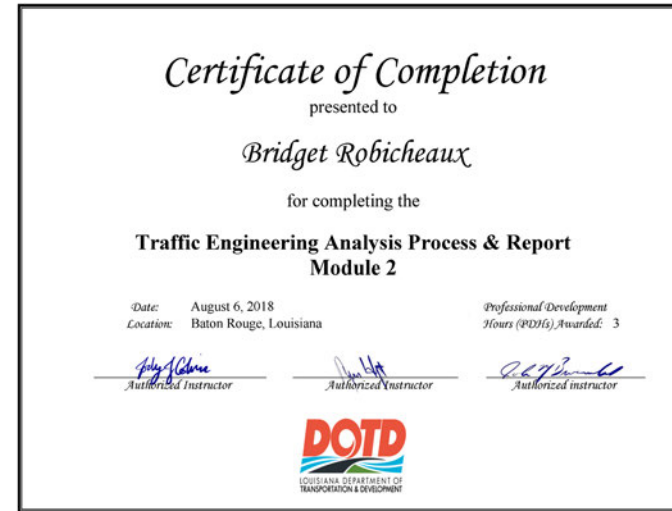
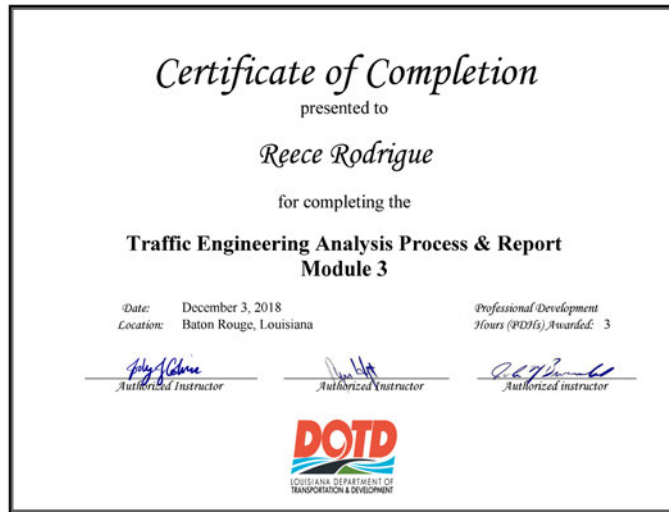
Date: November 26, 2018
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5


Authorized Instructor
 
Authorized Instructor
 
Authorized instructor



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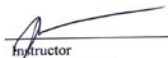
National Highway Institute
Certificate of Training
KRISTEN FARRINGTON




has participated in
**FHWA-NHI-142005 NEPA and the
Transportation Decisionmaking Process**
hosted by
LA DOTD/LTRC


Date: August 10-12, 2022
Location: Baton Rouge, LA


Hours of Instruction: 18



Instructor


Instructor



Local Coordinator


Thomas Harman, Director
National Highway Institute



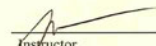
National Highway Institute
Certificate of Training
BRIN FERLITO

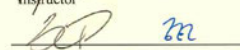


has participated in
**FHWA-NHI-142005 NEPA and the
Transportation Decisionmaking Process**
hosted by
LA DOTD/LTRC

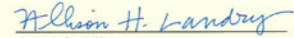
Date: August 10-12, 2022
Location: Baton Rouge, LA

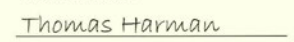
Hours of Instruction: 18



Instructor


Instructor



Local Coordinator


Thomas Harman, Director
National Highway Institute

CERTIFICATIONS

5/12/23, 12:10 PM

Certificate of Completion



NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
2021 NFPA 70E Standard for Electrical Safety in the Workplace Online Training Series

RONNIE ST. ANGELO

Completion Date: May 12, 2023
CEUs: 6 or 6 hours




President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.™



NATIONAL FIRE PROTECTION ASSOCIATION

CERTIFICATE OF COMPLETION
NFPA 70, National Electrical Code (NEC) (2023) Online Training Series

RONNIE ST. ANGELO

Completion Date: May 17, 2023
CEUs: 1.0 or 10 hours




President, National Fire Protection Association

IT'S A BIG WORLD. LET'S PROTECT IT TOGETHER.™

CERTIFICATIONS

Transportation Professional Certification Board, Inc.

certifies that

Reece J. Rodrigue

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

Road Safety Professional

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
 Certificate number 1018 issued in Washington, DC, U.S.A.*

3/20/23

Joseph C. Balchus
 Chair



Jeffrey F. Panati
 Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Kristen Cahagan Farrington

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

Road Safety Professional

*unless withdrawn by the Certification Board and subject to the provisions for renewal.
 Certificate number 916 issued in Washington, DC, U.S.A.*

11/23/2022

Deborah Snyder
 Chair



Jeffrey F. Panati
 Executive Director



CERTIFICATIONS

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0069 • www.tpcb.org



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

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

Your certification is renewed through 9/9/2024.

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

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

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

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

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

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

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

Sincerely,

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

Transportation Professional Certification Board Inc.

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



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

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

Your certification is renewed through 2/3/2025.

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

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

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

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Sincerely,

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

Transportation Professional Certification Board Inc.

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



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

Dear Mrs. Robicheaux,

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

Your certification is renewed through 3/26/2026.

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

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

Sincerely,

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



CERTIFICATIONS

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

Transportation Professional Certificatic

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

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

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

Your certification is renewed through 7/17/2025.

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

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

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

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1

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

Sincerely,

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

Transportation Professional Certification Board Inc.

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



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

Dear Mrs. Farrington,

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

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

Sincerely,

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

CERTIFICATIONS





CERTIFICATIONS



Dear Certified Flagger:

Enclosed, please find your card signifying you as an ATSSA Certified Flagger. This card should be carried and presented to employers while performing work on our nation's roadways. Please be aware that the card is not valid without a Photo I.D.

We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, please inform us of any errors or changes in your name or address so we may keep our records up to date.

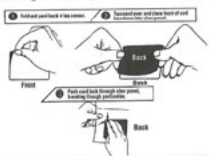
Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses and work zone safety products.

Sincerely,

Donna M. Clark

VP of Education and Technical Services

Laminating the front of your card with Dual Laminator:



American Traffic Safety Services Association
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1017
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com



Dear Certified Flagger:

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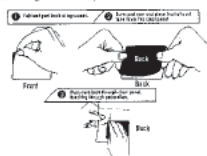
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VP of Education and Technical Services

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15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1017
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com





CERTIFICATIONS



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Once again, ATSSA thanks you for your dedication to ensuring that our work zones are safe and that lives will be saved with proper training. Please visit our website at www.atssa.com for additional training courses and work zone safety products.

Sincerely,

Ranger Bill
Director of Training



Dear Certified Flagger:

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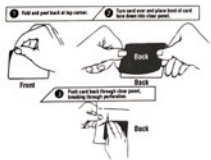
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Sincerely,

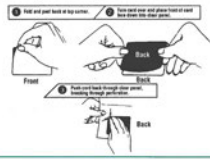
Ranger Bill
Director of Training

Laminating the front of your card with Dual Laminate:

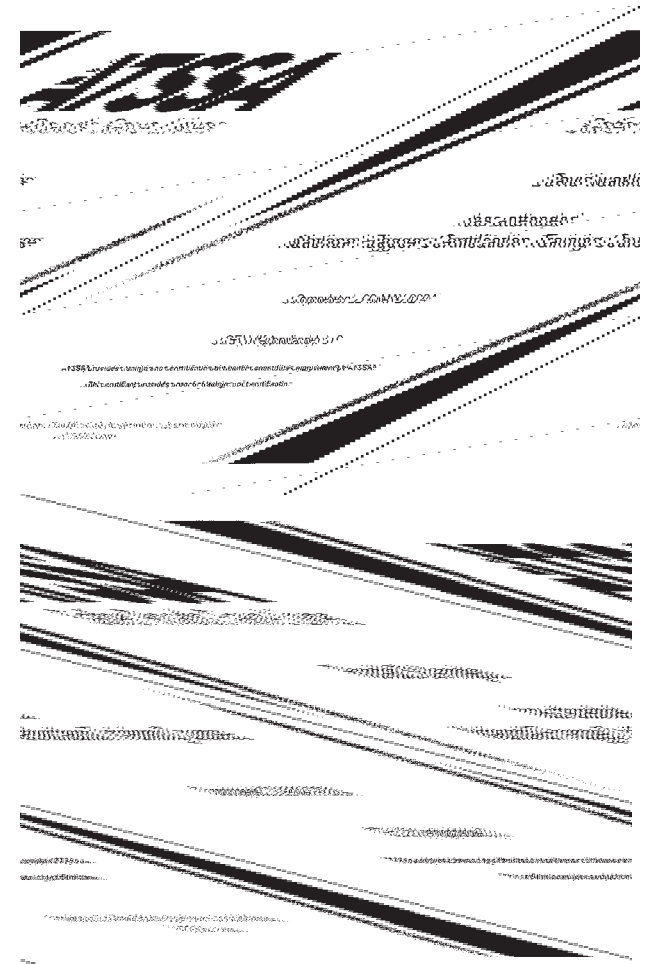


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15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22408-1077
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com



Sections 21-23

Engineering News-Record Magazine 2024 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.

ENR2024

TOP 500

- 1 International Markets
- 1 General Building
- 1 Transportation
- 1 Water
- 2 Top Design Firm
- 4 Hazardous Waste
- 4 Sewer and Waste
- 14 Telecommunications
- 16 Power

21. QA/QC Plan:

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

(This page intentionally left blank, as instructed per the RFP)

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (Name must match as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
Ardaman & Associates	316 Highlandia Drive Baton Rouge, LA 70810	Robert Jewell, PE rjewell@ardaman.com	225.666.4598
C. H. Fenstermaker & Associates, L.L.C.	135 Regency Square Lafayette, LA 70508	Travis Bodin, MBA, PLS, PMP travisb@fenstermaker.com	337.237.2200
Coastal Environments, Inc.	1260 Main Street Baton Rouge, LA 70802	Karen M. Wicker, PhD kwicker@coastalenv.com	225.892.3249
Gresham Smith	10000 Perkins Rowe, Suite 280 Baton Rouge, LA 70810	Herbert (Bert) Moore, II, PE, PLS, PTOE bert.moore@greshamsmith.com	225.757.5849
KPMG	111 Congress Ave., Suite 1900 Austin, TX 78701	Justin Clarke justinclarke@kpmg.com	214.840.2309
Lazenby & Associates, Inc.	2000 N. Seventh Street West Monroe, LA 71291	Paul D. Fryer, P.E., P.L.S. pfryer@lazenbyengr.com	318.387.2710
Marrero, Couvillion & Associates, LLC	2644 S. Sherwood Forest Blvd., Suite 200 Baton Rouge, LA 70816	Brian Miller bmiller@mca-llc.com	225.408.8249
RS&H	8240 N. MoPac Expy, Suite 300 Austin TX 78759	Dean El Baz, PE Dean.El-Baz@rsandh.com	314.941.9233
SJB Group, LLC	5344 Brittany Drive Baton Rouge, LA 70808	Karen Kennedy, PE karen.kennedy@sjbgroup.com	225.290.3578
Terracon Consultants, Inc.	524 Elmwood Park Boulevard, Suite 170 New Orleans, LA 70123	Steven Latiolais Steven.Latiolais@Terracon.com	318.787.3269
Trinity Tree Consultants	12225 N Oak Hills Pkwy Baton Rouge, LA 70810	Scott Courtright brtreeguru@gmail.com	225.337.0474
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd, Suite A Baton Rouge, LA 70809	Sheelagh Brin Ferlito bferlito@vecturacs.com	225.223.6685

23. Location:

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

(This page intentionally left blank, as instructed per the RFP)

About AECOM

AECOM is the world's trusted infrastructure consulting firm, delivering professional services throughout the project lifecycle – from advisory, planning, design and engineering to program and construction management. On projects spanning transportation, buildings, water, new energy, and the environment, our public- and private-sector clients trust us to solve their most complex challenges. Our teams are driven by a common purpose to deliver a better world through our unrivaled technical and digital expertise, a culture of equity, diversity and inclusion, and a commitment to environmental, social and governance priorities. AECOM is a Fortune 500 firm and its Professional Services business had revenue of \$14.4 billion in fiscal year 2023. See how we are delivering sustainable legacies for generations to come at aecom.com and [@AECOM](https://twitter.com/AECOM).