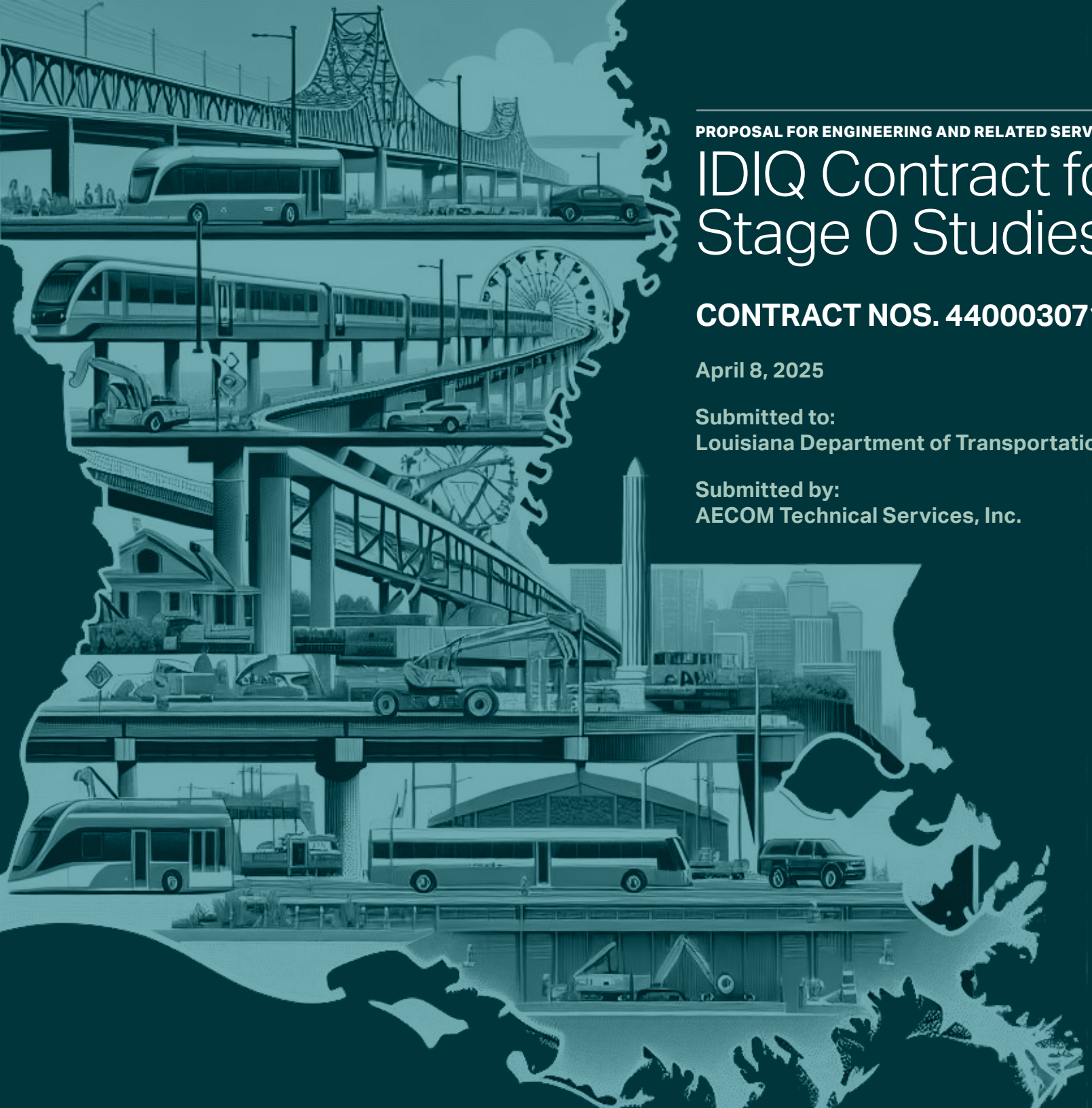


AECOM

PROPOSAL FOR ENGINEERING AND RELATED SERVICES

IDIQ Contract for Stage 0 Studies Statewide

CONTRACT NOS. 4400030714 AND 4400030715

April 8, 2025

Submitted to:
Louisiana Department of Transportation and Development

Submitted by:
AECOM Technical Services, Inc.

Delivering a better world

AECOM

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

April 8, 2025

Louisiana Department of Transportation and Development
Attn: Hong Zhang
Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802

submitted via email: DOTDConsultantAds80@la.gov

RE: IDIQ Contract for Stage 0 Studies Statewide - CONTRACT NOS. 4400030714 AND 4400030715

Hong Zhang:

I am writing to express AECOM's interest in the Stage 0 Indefinite Delivery/Indefinite Quantity (IDIQ) contract opportunity with the Louisiana Department of Transportation and Development (DOTD). As a global leader in infrastructure consulting, AECOM is uniquely positioned to deliver comprehensive planning and environmental services that align with DOTD's objectives of enhancing transportation infrastructure while ensuring environmental sustainability.

AECOM brings decades of experience in transportation planning and environmental consulting, having successfully executed numerous projects in Louisiana and across the United States. **Key AECOM staff assigned to this Stage 0 IDIQ contract have successfully worked together over nearly 20 years, performing and delivering dozens of Stage 0 Feasibility Studies through our previous Stage 0 IDIQ Contracts, Safety IDIQ Contracts and other project specific contracts with DOTD and MPO's. AECOM has also been engaged preparing Stage 0 Feasibility Studies integrated with the Planning and Environmental Linkage (PEL) process here in Louisiana and successfully performed PEL studies throughout the US.** Our multi-disciplinary team of planners, engineers, environmental scientists, and project managers is dedicated to delivering innovative and sustainable solutions tailored to the specific needs of DOTD. We understand the critical importance of integrating environmental considerations into transportation planning to promote long-term ecological balance and community well-being.

The AECOM Team partners were specifically selected for their Stage 0 experience and related expertise associated with delivering quality Stage 0 Feasibility Reports. While all AECOM Team member have Stage 0 experience each provides unique expertise including Vectura who provides traffic analysis expertise, ELOS brings environmental specialization and Crecent who has excellent DOTD roadway design experience.

The AECOM Team has an extensive portfolio which includes a variety of projects that demonstrate our capability and commitment to excellence. At AECOM, we leverage cutting-edge technologies and methodologies to enhance project outcomes. Our use of Geographic Information Systems (GIS), remote sensing, and advanced modeling tools enables us to provide precise and actionable insights that inform decision-making. Additionally, our commitment to sustainability is reflected in our approach to minimizing environmental impacts, promoting resource efficiency, and enhancing resilience within transportation projects.

We recognize that successful planning and environmental projects require close collaboration with stakeholders, including state agencies, local communities, and regulatory bodies. AECOM has a proven track record of fostering strong partnerships and facilitating transparent communication throughout the project lifecycle. Our approach ensures that all voices are heard, and that projects are developed in a manner that aligns with community values and regulatory requirements.

AECOM is excited about the opportunity to partner with DOTD on this Stage 0 IDIQ contract. We are confident that our expertise, innovative solutions, and commitment to efficient delivery will contribute to the successful realization of DOTD's transportation goals.

Thank you for considering our proposal. We look forward to the opportunity to further discuss how AECOM can support DOTD in achieving its objectives.

Sincerely,

Gregory Trahan, PE, RSP1
Project Manager
225.921.9821
gregory.trahan@aecom.com

Jonathan McDowell, PE
Associate Vice President/Senior Project Manager
504.450.9904
jonathan.mcdowell@aecom.com

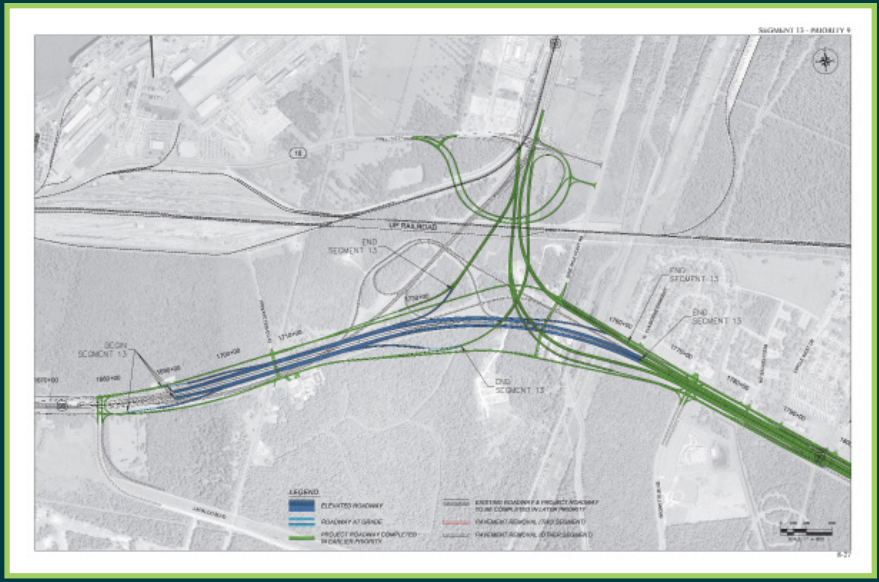
Sections 1-11

24 Stage 0 Improvements for Safety and Efficiency Route I-49

AECOM completed 24 Stage 0 Studies along 38.6 miles of the I-49 South Corridor. The Stage 0 projects were considered for value Engineering with innovative traffic techniques and low cost safety improvements.

Types of projects included in the interim packages included:

- Signal Design
- Superstreet Designs
- Partial Diverging Diamond at US 90 & I-310
- Frontage Roads
- Barrier Projects
- Control of Access Improvements
- Final Traffic Analysis



(Revised December 12, 2024)

DOTD FORM: 24-102

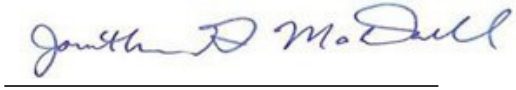
PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

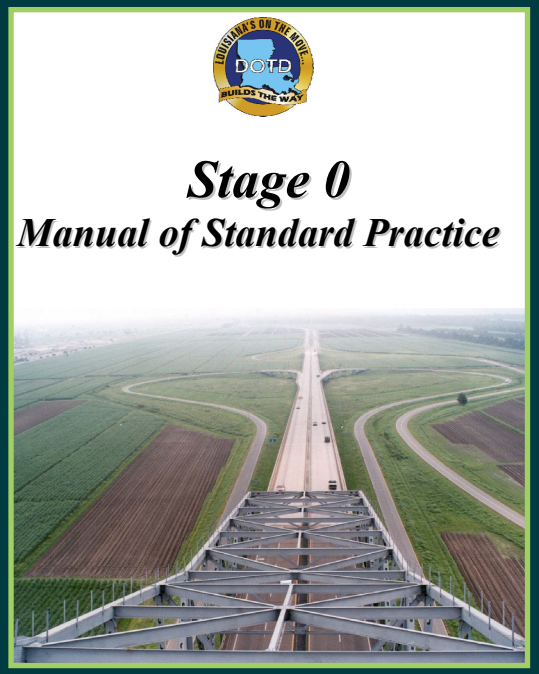
1. Contract title as shown in the advertisement	IDIQ Contract for Stage 0 Studies Statewide
2. Contract number(s) as shown in the advertisement	Contract No. 4400030714 & 4400030715
3. State Project Number(s), if shown in the advertisement	N/A
4. Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	AECOM Technical Services, Inc.
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	AECOM Technical Services, Inc. (AECOM) LAPELS No. EF.0002331
6. Prime consultant mailing address	8555 United Plaza Boulevard, Suite 300 Baton Rouge, LA 70809
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	8555 United Plaza Boulevard, Suite 300 Baton Rouge, LA 70809
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Jonathan McDowell, PE Associate Vice President/Senior Project Manager 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/Senior Project Manager 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.	Signature (shall be the same person as #9):  Date: April 8, 2025
11. Advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Firm(s)' %: VECTURA CONSULTING SERVICES, LLC 16% No DBE Requirement

Sections 12-15

Stage 0 Manual

DOTD created a Stage 0 Manual, which includes the Stage 0 Preliminary Scope and Budget Checklist and the Stage 0 Environmental Checklist. Both of these checklists are completed for most projects and are included in the feasibility study report as appendices. They are also used as an outline for the feasibility study. Both checklists are beneficial, as they attempt to prevent the duplication of tasks in the planning and environmental stages of the project delivery process. In addition, they assist in making potential environmental impacts known early in the project delivery process.



12. Past Performance Evaluation Discipline Table:
As indicated in the advertisement, insert the completed table here. The percentages for the prime and subconsultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

Disciplines	% of Overall Contract	AECOM	VECTURA CONSULTING SERVICES, LLC	ELOS ENVIRONMENTAL, LLC	CRESCENT ENGINEERING & MAPPING, LLC	
Planning	35%	80%	0%	0%	20%	100%
Traffic	20%	20%	80%	0%	0%	100%
Road	25%	75%	0%	0%	25%	100%
Environment	10%	40%	0%	60%	0%	100%
Bridge	10%	80%	0%	0%	20%	100%
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each subconsultant.						
Percent of Contract	**100%**	**63%**	**16%**	**6%**	**15%**	**100%**
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.						

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 (xxxx)" 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)
AECOM TECHNICAL SERVICES, INC.	Principal	2	3
AECOM TECHNICAL SERVICES, INC.	Supervisor-Eng.	4	6
AECOM TECHNICAL SERVICES, INC.	Supervisor-Other	6	8
AECOM TECHNICAL SERVICES, INC.	Engineer	7	10
AECOM TECHNICAL SERVICES, INC.	Engineer Intern	5	8
AECOM TECHNICAL SERVICES, INC.	Engineer-Other	4	8
AECOM TECHNICAL SERVICES, INC.	Environmental Manager	2	5
AECOM TECHNICAL SERVICES, INC.	Biologist/Wetlands	2	4
AECOM TECHNICAL SERVICES, INC.	Historian	2	5
AECOM TECHNICAL SERVICES, INC.	Administrative	2	5
AECOM TECHNICAL SERVICES, INC.	Senior Technician	3	6

Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
VECTURA CONSULSTING SERVICES, LLC	Supervisor-Eng	2	2
VECTURA CONSULSTING SERVICES, LLC	Engineer	3	3
VECTURA CONSULSTING SERVICES, LLC	Engineer Intern	2	2
VECTURA CONSULSTING SERVICES, LLC	Senior Technician	0	2
VECTURA CONSULSTING SERVICES, LLC	Supervisor-Other	1	1
VECTURA CONSULSTING SERVICES, LLC	Technician	1	1
VECTURA CONSULSTING SERVICES, LLC	Clerical	1	1

Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
ELOS ENVIRONMENTAL, LLC	Principal	1	2
ELOS ENVIRONMENTAL, LLC	GIS Analyst	2	2
ELOS ENVIRONMENTAL, LLC	Environmental Pro	2	2
ELOS ENVIRONMENTAL, LLC	Environmental Manager	2	2
ELOS ENVIRONMENTAL, LLC	Biologist/Wetlands	3	5
ELOS ENVIRONMENTAL, LLC	Archaeologist	1	2
ELOS ENVIRONMENTAL, LLC	Geologist	1	1
ELOS ENVIRONMENTAL, LLC	Inspector-Lead	1	4
ELOS ENVIRONMENTAL, LLC	Clerical	2	2
ELOS ENVIRONMENTAL, LLC	Historian	1	2
ELOS ENVIRONMENTAL, LLC	Technician	2	5

Firm Name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
CRESCENT ENGINEERING & MAPPING, LCC	Supervisor - Eng	1	1
CRESCENT ENGINEERING & MAPPING, LCC	Engineer	1	4
CRESCENT ENGINEERING & MAPPING, LCC	Senior Technician	1	2
CRESCENT ENGINEERING & MAPPING, LCC	Surveyor	0	1
CRESCENT ENGINEERING & MAPPING, LCC	Party Chief	0	2
CRESCENT ENGINEERING & MAPPING, LCC	Instrument Man	0	2
CRESCENT ENGINEERING & MAPPING, LCC	Engineer Intern	1	1
CRESCENT ENGINEERING & MAPPING, LCC	Clerical	0	1

14. Organizational Chart:

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LEGEND
- AECOM TECHNICAL SERVICES, INC.
- VECTURA CONSULTING SERVICES, LLC (DBE)
- ELOS ENVIRONMENTAL, L.C.C.
- CRESCENT ENGINEERING & Mapping, LLC

PRINCIPAL-IN-CHARGE

Jonathan McDowell, PE (MPR 1,2,3,4,8) ❖

PROJECT MANAGER

Gregory Trahan, PE, RSP$_1$ (MPR 3,5) ❖

ALTERNATIVES DEVELOPMENT/CONCEPTUAL ENGINEERING

Jonathan McDowell, PE (MPR 1,2,3,4,8) ❖ & Gregory Trahan, PE, RSP$_1$ MPR 3,5) ❖ Task Leads

Purpose & Need
- Thomas Hunter
- Derek Chisholm, AICP, ENV SP (MPR 8) ❖

Alternatives Development & Conceptual Engineering
- Jonathan McDowell, PE (MPR 1,2,3,4,8) ❖
- Gregory Trahan, PE, RSP$_1$ (MPR 3,5) ❖
- Jonathan Giardina, PE
- Abby Falcon, PE
- Brin Ferlito, PE, PTOE (MPR 3,6) ❖
- Deniis Hymel, PE
- James Ledet, PE, F. ACEC

Bridges/Structural
- Daniel Boyd, PE (MPR 7) ❖
- Gary Maji, PE
- Sarah Elsawah, PE
- Megan Miller, PE

Complete Streets/ Bike & Pedestrian
- Derek Chisholm, AICP, ENV SP (MPR 6) ❖
- Laurence Lambert, PE, PTOE, PTP (MPR 6) ❖

Hydrology & Hydraulics
- Sreeni Bollu, PE
- Abbey Falcon, PE

Transit
- Lou Costa
- Tim Simon, AICP

Content Sensitive Solutions
- Derek Chisholm, AICP, ENV SP (MPR 6) ❖

Cost Estimates
- Paul Olivier, PE
- Jonathan Giardina, PE
- Gregory Trahan, PE, RSP$_1$ MPR 3,5) ❖
- Victor De la Garza, PE

Grant Program Review/Funding
- Thomas Hunter
- Toni Horst
- Anne Watkins
- Joe Berlin

Utility Impacts & Relocations
- Jonathan Giardina, PE

Aerial Photography
- Jonathan Martinez

Geotechnical
- Blake Vutera, PE

Benifit Costs
- Toni Horst
- Anne Watkins

TRAFFIC & SAFETY

Brin Ferlito, PE, PTOE (MPR 3,6) ❖ & Peter Bakhit, PhD, PE, PTOE (MPR 6) ❖ Task Leads

Traffic Forecasts
- Peter Bakhit, PhD, PE, PTOE (MPR 6) ❖
- Brin Ferlito, PE, PTOE (MPR 3,6) ❖

Traffic Modeling
- Peter Bakhit, PhD, PE, PTOE (MPR 6) ❖
- Reece Rodrique, PE, PTOE, RSP$_1$

Access Management
- Laurence Lambert, PE, PTOE, PTP (MPR 6) ❖
- Gregory Trahan, PE, RSP$_1$ (MPR 3,5) ❖

MOT/Constructability/TMP
- Jonathan McDowell, PE (MPR 1,2,3,4,8) ❖
- Gregory Trahan, PE, RSP$_1$ (MPR 3,5) ❖
- Laurence Lambert, PE, PTOE, PTP (MPR 6) ❖

Safety Analysis
- Gregory Trahan, PE, RSP$_1$ (MPR 3,5) ❖
- Kristen Farrington, PE, PTOE, RSP$_1$

ITS
- Victor De la Garza, PE
- Laurence Lambert, PE, PTOE, PTP (MPR 6) ❖

Railroad Coordination
- Jonathan McDowell, PE (MPR 1,2,3,4,8) ❖
- Audra Rodgers

Traffic & Crash Data
- Kristen Farrington, PE, PTOE, RSP$_1$

ENVIRONMENTAL INVENTORY / CHECKLIST

Jonathan McDowell, PE (MPR 1,2,3,4,8) ❖ & Lucas Watkins Task Leads

Natural Environment
- Basile Dardar
- Jonathan Vavasseur
- Cory Ricks

Hazardous Materials Investigation
- Zoe Knesl

Cultural Resources
- Shelley Hartsfield
- Gary Hawkins
- Christopher Wilson

Environmental Justice
- Derek Chisholm, AICP, ENV SP (MPR 6) ❖

Section 4(f) & 6(f)
- Lou Costa
- Derek Chisholm, AICP, ENV SP (MPR 6) ❖

Public, Stakeholder & Agency Coordination
- Derek Chisholm, AICP, ENV SP (MPR 6) ❖
- Lou Costa
- Thomas Hunter
- Lucas Watkins
- Brian Forston

Identifying Permit Requirements
- Mike Hill
- Jonathan Vavasseur

15. Minimum Personnel Requirements:

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license/certification & number	State of license	License/certification expiration date
1	Jonathan McDowell, PE	AECOM	Civil Engineer PE 30508	LA	3.31.2027
2	Jonathan McDowell, PE	AECOM	Civil Engineer PE 30508	LA	3.31.2027
3	Jonathan McDowell, PE	AECOM	Civil Engineer PE 30508	LA	3.31.2027
	Gregory Trahan, PE, RSP1	AECOM	Civil Engineer PE 36041	LA	3.31.2027
4	Jonathan McDowell, PE	AECOM	Civil Engineer PE 30508	LA	3.31.2027
5	Brin Ferlito, PE, PTOE, RSP1	VECTURA	Civil Engineer PE 25383; PTOE 932	LA	9.30.2025
	Gregory Trahan, PE, RSP1	AECOM	Civil Engineer PE 36041	LA	3.31.2027
6	Laurence Lambert, PE, PTOE, PTP	VECTURA	Civil Engineer PE 29901; PTOE 1303	LA	3.31.2026
	Peter Bakhit, PhD, PE, PTOE	AECOM	Civil Engineer PE 49303; PTOE 5713	LA	3.31.2026
7	Daniel Boyd, PE	AECOM	Civil Engineer PE 36728	LA	3.31.2026
	Gary Maji, PE	AECOM	Civil Engineer PE 43044	LA	3.31.2027
8	Derek Chisholm	AECOM	N/A	N/A	N/A

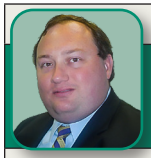
Section 16

AECOM Team Resumes

Legend

- AECOM TECHNICAL SERVICES, INC.
- VECTURA CONSULTING SERVICES, LLC (DBE)
- ELOS ENVIRONMENTAL, L.C.C.
- CRESCENT ENGINEERING & Mapping, LLC

16. Staff Experience:



Firm **AECOM TECHNICAL SERVICES, INC.**

Jonathan McDowell, PE • **MPR 1,2,3,4,8**

Associate Vice President, Senior Project Manager

Years of Relevant Experience with this Employer	22
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/03.31.27 Additional active licenses in MS, AR, TX		
Year Registered	2003	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Principal-in-Charge/Alternatives Development & Conceptual Engineering Task Lead/ Environmental Inventory Checklist Task Lead/MOT/Constructability/TMP/Railroad Coordination **Brief Description:** Jonathan will serve as the Principal-in-charge and will provide engineering support for NEPA, TEPR and ATSSA alternatives development/conceptual engineering and environmental documentation. His experience includes 28 years as a Project Engineer and AECOM certified Project Manager for a wide variety of transportation and public infrastructure projects and has performed horizontal and vertical geometry for all functional classifications of roadway. His roles have included line and grade for Stage 0 feasibility studies, NEPA Environmental studies, and preliminary and final design. He also has experience with contract administration, and construction engineering and inspection. His project portfolio includes all modes of transportation projects involving interstate highways, urban and rural roadways, bridges, streetcars, railroads, drainage canals and culverts, port facilities, and airports. He has attended the NHI course NEPA and Transportation Decision Making, all three modules of the TEPR training, and is an ATSSA-certified Traffic Control Supervisor.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Project Manager for the Design Study, Traffic Study, and Preliminary Plans for the completion of capacity and safety improvements that also include Complete Streets and Green Infrastructure enhancements on College Drive and adjacent facilities between Perkins Road and Bawell Street including the I-10 interchange. Documented preliminary alternatives using DOTD Stage 0 Project and Scope and Environmental Checklists to apply for state and federal funding grants. Developed preliminary concepts. QC Reviewed the Safety Analysis.
08/12-07/14	**Stage 0 Feasibility Study and Report, Johnston Street Study (US 167), DOTD, Lafayette Parish, LA. (H.009997.1).** Analyzed crash data to identify trends and suggest countermeasures for development of alternatives to improve safety within the corridor of an urban arterial with heavy bicycle traffic. Evaluated the proposed alternatives using Crash Modifications Factors provided in Part D of the Highway Safety Manual. Determined benefit costs for each alternative for use in the evaluation of the alternatives.

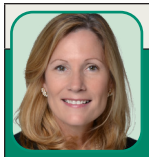
06/13-10/14	**S.P. No. H.010570.1: Stage 0 Feasibility Study and Report, Williams Boulevard, DOTD, Jefferson Parish, LA.** Project Manager for the crash analysis and environmental inventory associated with the LA 49 feasibility study. The study considered a 2.5-mile segment of a heavily traveled, heavily developed five lane urban roadway with moderate pedestrian use, three major intersections and an interchange with I-10. Task included collecting and analyzing data to identify trends and determine overrepresented crash types. Developed collision diagrams. Used Crash Modification Factors to analyze safety countermeasures proposed for each alternative.
01/11-01/13	**Stage 0 Feasibility Study and Report, LA 935, DOTD, Ascension Parish, LA (H.009998.1).** Project Engineer. AECOM, as a subconsultant, performed a Stage 0 Feasibility Study in accordance with the results of the Roadway Safety Assessment (RSA). The study area is approximately a 4-mile segment of LA 935 from LA 431 to LA 22 in Ascension Parish. From the RSA three proposed alternatives were to be considered for a Stage 0.
09/07-07/15	**Stage 0 Feasibility Study and Report, Environmental Assessment (EA) & Supplemental EA, LA 511 Red River Bridge at Jimmie Davis Highway, DOTD, Baton Rouge, LA. (H.001779.5 & 700-08-0114).** Project Manager and Lead Road Design Engineer for the Stage 0 Feasibility Study; Lead Road Design Engineer and co-author of the engineering report for the EA. Designed geometric layout alternatives for capacity improvements and pedestrian and bicycle accommodations for the bridge crossing of the Red River and along Jimmie Davis Highway (LA 511) from the Red River to US 71. Tasks included the development of the purpose and need statement, the project design criteria, and the geometric alternatives of the bridge, interchange ramps on each side of the bridge, and roadway approaches. Developed a median U-turn alternative and off corridor access improvements to improve corridor connectivity for LA 511 between the Arthur Teague Parkway and US 71.
03/15-01/17	**Stage 0 Feasibility Study and Report, Westside Expressway, Iberville Parish Government, West Baton Rouge, Iberville, Ascension, and St. James Parishes, LA.** Project Manager and Lead Roadway Designer for the planning and development of a high level corridor study to locate a new highway that connects I-10 west of Baton Rouge to LA 3127 with a spur to connect to LA 30 using the Iberville Parish bridge crossing location identified in the Baton Rouge Loop EIS and a secondary bridge connection to I-10 utilizing the Sunshine Bridge (LA 70). Coordinated TransCAD model data with CRPC. Utilized traffic data published in available versions of the Baton Rouge Loop EIS. Completed DOTD Environmental Inventory and Stage 0 Scope and Budget Checklists for each identified independent segment of utility. Presented proposed alignments to DOTD, Iberville and Ascension Parishes, and various stakeholders identified by Iberville Parish.
05/10-07/14	**I-49 South, Interim Improvements for Safety and Efficiency (24 Stage 0 Studies), Raceland to Westbank Expressway, Louisiana Department of Transportation & Development (DOTD), St. Mary, Lafourche, St. Charles, and Jefferson Parishes, LA.** Lead Project Engineer tasked to develop a program of Stage 0 projects that would provide interim capacity and safety improvements along two segments of the US 90 corridor from Wax Lake Outlet to Berwick and from LA Hwy 1 to the terminus of the elevated portion of the Westbank Expressway near Westwood Drive. The plan provided a program of fiscally achievable improvement projects with a goal to incorporate them into a complete interstate highway. The project also upgraded the existing US Hwy 90 to interstate standards from LA Highway 1 to Interstate 310. Mr. McDowell's responsibilities included planning and geometric design of the interstate highway, interchange ramps, and intersections with local collector and arterial roadways; preparation of cost estimates for alternative concepts; analysis of environmental impacts; and preparation of an implementation plan.
04/02-07/08	**I-49 South, Environmental Impact Statements on 3 Segments of Study, DOTD, Lafayette, St. Martin, Iberia, St. Mary, Lafourche, St. Charles, and Jefferson Parishes, LA.** Project Engineer for the preparation of three NEPA Final Environmental Impact Statements and Line and Grade Engineering Reports to upgrade three segments of US Highway 90 totaling 59 miles to an interstate highway. Mr. McDowell's responsibilities included preparation of the final engineering report, implementation plan, and cost estimates; geometric design of the proposed interstate highway, interchange ramps, and intersections at ramp termini and along cross roads; analysis of impacts to the surrounding environment; and participation in Public Meetings.

Firm	AECOM TECHNICAL SERVICES, INC.		
Gregory Trahan, PE, RSP$_1$ • **MPR 3,5** Project Manager		Years of Relevant Experience with this Employer	19
		Years of Relevant Experience with Other Employer(s)	1

Degree(s)/Years/Specialization	BS/2005/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.0036041/LA/03.31.27 Additional active licenses in TX, MS RSP1/833/03.14.28 Highway Safety Manual Workshop		
Year Registered	2011	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Project Manager/Alternative Development & Conceptual Engineering Task Lead/Cost Estimates/Access Management/MOT/Constructability/TMP/Safety Analysis **Brief Description:** Gregory has almost 20 years of experience in various roadway and traffic projects. He has both assisted and managed roadway plans from the preliminary stage to Final Plans. He has also both assisted and performed traffic studies for corridor development and intersection design. His experience with these projects have allowed him to perform the design and coordination of many different types of disciplines; including roadway, drainage, maintenance of traffic, and signal design.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/10-02/14	**S.P. No. H.055171: Stage 0 Feasibility Study and Report, I-49 Raceland to the Westbank Expressway (26 Stage 0 Report), DOTD, Statewide, LA.** Project Engineer. Project Engineer for the Environmental Assessment and Interchange Modification Report involving the new alignment of a ramp from US 90 to I-310. As part of this project Gregory assisted in analyzing design alternatives, traffic data collection (speed and vehicular classification) along the corridor, and crash data.
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Project Engineer. He is assisting for the Design Study, Traffic Study, and Preliminary Plans for the completion of roadway improvement on College Drive and its vicinity between Perkins Road and Bawell Street inclusive of the interchange with I-10. Preliminary alternatives were developed and documented using **DOTD Stage 0 Project and Scope and Environmental Checklists** in order to apply for state and federal funding grant applications to expand funding for the project beyond the allocation of the parish MOVEBR bond funds. Completed the Stage 0 checklists.
09/24-Ongoing	**Lower St. Bernard/Louisiana Terminal Roadway Network and Resilience (Stage 0 and PEL) Study, Regional Planning Commission, St. Bernard Parish, LA.** Project Engineer for the crash analysis and environmental inventory associated with the Stage 0 Feasibility Study. Tasks included analyzing the range of conditions and crash types experienced in the study area. As part of the crash investigation, the Manner of Collision, the time of day, fatalities, and the number of vulnerable users (pedestrian and bicyclists) were documented. Together this data was used to document crash trends and analyze potential treatments as part of potential alternatives.

11/11-01/13	**S.P. No. H.009997.1: Stage 0 Feasibility Study and Report, LA 935, DOTD, Ascension Parish, LA.** Project Engineer that assisted in performing a Stage 0 Feasibility Study in accordance with the results of a Roadway Safety Assessment (RSA) performed by the AECOM team. The study area is approximately a 4–mile segment of LA 935 from LA 431 to LA 22 in Ascension Parish with a known history of crashes. Task included a conceptual alternatives for the realignment of LA 935, including the typical section, design criteria, plan, and cost estimate.
08/12-07/14	**S.P. No. H.009998.1: Stage 0 Feasibility Study and Report, Johnston Street Study (US 167), DOTD, Lafayette Parish, LA.** Project Engineer. The US 167 (Johnston Street) Corridor Study is a study to collect and analyze data to help develop immediate, short-term, and long-term recommendations in accordance with "DOTD's Stage 0: Manual of Standard Practice" for the Johnston St. (US 167) corridor between Coulee Mine Bayou Bridge and Cajundome Avenue. AECOM was tasked to identify crash trends, develop collision diagrams, determine the effectiveness of counter measures in alternative concepts, and identify and assemble environmental conditions along the corridor into a GIS database.
06/13-10/14	**S.P. No. H.010570.1: Stage 0 Feasibility Study and Report, Williams Boulevard, DOTD, Jefferson Parish, LA.** Project Engineer for the crash analysis and environmental inventory associated with the LA 49 feasibility study. The study considered a 2.5-mile segment of a heavily traveled, heavily developed five lane urban roadway with moderate pedestrian use, three major intersections and an interchange with I-10. Task included collecting and analyzing data to identify trends and determine overrepresented crash types. Developed collision diagrams. Used Crash Modification Factors to analyze safety countermeasures proposed for each alternative.
08/14-07/17	**S.P. No. H.011489.5: Safety Studies Retainer Contract, Low Cost Safety Improvements, DOTD, Statewide, LA.** Project Engineer. He conducted 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 completion of each letter size plan sets, a meeting will be held with each District to discuss the countermeasures.
07/15-06/17	**S.P. No. H.011935.5: Safety Studies Retainer Contract, Roadside Safety Assessment (RSA), DOTD, Statewide, LA.** Project Engineer. He was responsible for both the preparation of a Roadside Safety Assessment (RSA) Field Report that is used to conduct a meeting with DOTD officials, local officials, and law enforcement and conducting the RSA meeting. Field reports consisted of a map of the general area, a review of the Crash1 Data, including graphs and charts of the existing crash patterns and severity types. This report and findings would be discussed at the RSA meeting before going out to the field to review the existing conditions. Upon completion of the RSA meeting Greg would summarize all findings and discussions that were documented during the meeting into a report that would be submitted to DOTD. This summary also included possible countermeasures and ranked them in an order that would be effective for both safety and financial constraints.
07/16-08/17	**S.P. No. H.012369.1: Safety Studies Retainer Contract, US 190 Barrier Feasibility Study, DOTD, St. Tammany Parish, LA.** Project Engineer for the study of a median barrier within the limits of an existing structure on LA 22. Tasks within this study include existing data collection, geometric layout analysis, safety analysis, field review, bridge rating and structural analysis. A compressive report detailing findings of existing conditions, preliminary plans of a preferred alternative for a barrier system on an existing structure, and a safety analysis of the barrier system.



Firm	VECTURA CONSULTING SERVICES, LLC		
Brin Ferlito, PE, PTOE • **MPR 5,6** Supervisor - Engineering		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	27
Degree(s)/Years/Specialization	BS/1988/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.0025383/LA 09.30.25 PTOE #932/Exp. 09.09.27 Highway Safety Manual Workshop DOTD Traffic Process and Report Parts 1, 2 and 3 (2018) ATSSA Certified Flagger/LA/A1000126216/05.08.27		
Year Registered	1993	Discipline	Civil
Contract Role(s)/Brief Description of Responsibilities	**Contract Role:** Traffic & Safety Lead/Alternatives Development & Conceptual Engineering/Traffic Forecasts **Brief Description:** Brin will manage all safety analyses in Appendix C as part of the Stage 0 process.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/18-04/19	**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.
07/21-Ongoing	**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. With the DOTD, City-Parish and the Contractor, Brin conducted field visits to confirm pole foundation locations.
07/19-Ongoing	**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-Ongoing	**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 multi-lane 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	**Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission Rockville, MD).** Brin conducted an applied re-search 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. Brin developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.

Firm	CRESCENT ENGINEERING & MAPPING, LLC		
Dennis Hymel, PE President/Manager		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	17
Degree(s)/Years/Specialization	BS/2009/Civil Engineeering		
Active Registration Number/State/ Expiration Date	PE.38172/LA/09.30.25		
Year Registered	1986	Discipline	PE/Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Alternatives Development & Conceptual Engineering **Brief Description:** Roadway Design Quality Control		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/22-Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish).** Project Manager/EOR. Responsible for overall project management and oversight and supervision of all project elements including topographic surveys, traffic analysis and report, roadway widening design, roundabout geometrics, pavement design, drainage design and H&V geometrics. The project involves widening the existing 2-lane roadway to a 4-lane divided median roadway and includes two multi-lane roundabouts, an R-Cut intersection and multiple J-Turn intersections for over 4 miles of arterial widening. Also responsible for the oversight of geotechnical and environmental subconsultants.
08/2-Ongoing	**LA 44: Pelican Point Roundabout and Widen, S.P. H.015568, Ascension Parish, LA (DOTD).** Project Manager/Supervising Engineer. Responsible for overall project management and supervision of the design effort, including H&V alignments and roundabout geometrics for a multi-lane roundabout at the intersection of LA 44 and Pelican Point Parkway in Gonzales, LA. Project also includes 1-mile of urban collector roadway widening design from a 2-lane to a 4-lane roadway with a divided median including multiple J-turn intersections and bridge widening or reconstruction design.
08/21-Ongoing	**LA 3127 Extension (LA 70 to LA 1), ENG-17-013, Ascension Parish, LA (Ascension Parish Government).** Project Manager/QC Engineer. Currently serving as the Project Coordinator for the NEPA document (EA). Previous employer: Prepared Stage 0 feasibility study for entire corridor (8 miles of 4-lane divided roadway), served as the Project Manager and overall design manager for Phase I portion of project, oversaw roadway design efforts, line and grade, bridge design efforts for the preparation of Preliminary Plans for 4 bridge sites (Bayou Lafourche and McCall Bayou) including reinforced concrete slabs and QC of LG-36 prestressed girders and overall roadway geometric design QC. Served as the Subsurface Utility Engineer of Record, coordinated utility conflicts and preliminary crossing requirements, prepared utility relocation cost estimates.
09/18-08/21	**S.P. H.001344, US 190: LA 437 to US 190 BUS (Ph. 1), St. Tammany Parish (DOTD).** Supervising/QC Engineer. Performed QC/QA duties of urban roadway design elements including horizontal and vertical geometry, intersection design, concrete curb, graphical grading, striping/signing, construction phasing, roadway barrier and footing details, and oversight of roadway plan production for a one mile, 5-lane urban roadway reconstruction. Also responsible for bridge design report, urban bridge design, and QC of bridge plan development and LRFR for a horizontally curved, superelevated, 1,400-footlong bridge over the Bouge Falaya River using LG 36 and LG 54 prestressed concrete girders, rectangular column bents, low water pier foundations. Coordinated utility conflicts and relocations, and the geotechnical engineering design of bridge footings and embankment settlement. [Prior to Crescent]

09/16-08/21	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (DOTD).** Project Manager/Engineer of Record. Responsible for all roadway design including H&V alignments, interchange geometrics, drainage, preparation of a Level 4 TMP and construction phasing plans along the mainline and interstate ramps. Designed single slope TL-4 median barriers on concrete footings, special median barrier transitions for lighting, overhead signs and ITS/DMS, prepared ERDD document and EOR for all permanent interstate signing; Bridge Design Engineer and QC for the widening of Pontchatolawa Creek (25' skewed RC Slabs) and Tammany Trace bridges (AASHTO Type III prestressed girders with varying skewed, bobtail spans), LRFR for all structures. Responsible for coordination of geotechnical design and performed Construction Support Services. Design completed under an accelerated project schedule. [Prior to Crescent]
04/16-08/21	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (DOTD).** Project Manager/ Supervising Engineer. Responsible for the oversight of topographic survey, right-of-way mapping, roadway and bridge design services for the safety widening of LA 20 near Vacherie, LA. Supervised all plan production activities and major roadway and bridge design elements including H&V geometrics, striping/signing, drainage design, roadway/bridge construction phasing, bridge superstructure and substructure elements, LRFR analysis and rating. Also responsible for the oversight of the geotechnical design of pavement and settlement analysis as well as concrete pile design. [Prior to Crescent]
03/14- 08/21	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (DOTD).** Project Manager/Engineer of Record. Performed field and office QC of topographic surveys, lead the design team as EOR and was responsible for all roadway design elements including hydraulics, roadway H&V geometrics, superelevation, intersection design, R-CUT and J-turn intersections, prepared Level 3 Traffic Management Plan, prepared roadway plans, served as bridge design QC engineer for twin 4-span AASHTO Type III girder bridges over Talisheek Creek, oversaw entire plan production for 5.5-mile, greenfield, new corridor including a 4-lane rural roadway from LA 435 to Bush, LA. [Prior to Crescent]
02/18-Ongoing	**ENG-17-013 & MA-23-01, LA 3127 Extension (LA 70 to LA 1), Ascension Parish, LA (Ascension Parish).** Project Manager/ EOR. At previous employer, SUE QL D-A EOR, QC of surveys, responsible for developing Stage 0 report, Line and Grade, roadway design and bridge design (LG-36 girders) for 175' bridge over Bayou Lafourche and curved RC Slab spans over Bayou Napoleon. Currently managing Environmental Assessment and responsible for roadway and bridge design of 8.5 mile, 4-lane, greenfield, new corridor project creating an evacuation route, industrial and heavy vehicle by-pass around Donaldsonville, LA.
05/22-Ongoing	**EN22-0181, Rousseau Rd. Bridge over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government).** Project Manager/ QC Engineer. Performed review of topographic surveys, QC of roadway design, H&V geometrics, hydraulics, EOR for Urban bridge design elements including special span/bents, LRFR of replacement bridge and rehabilitated structure, bridge rehabilitation design using steel framed helper bents, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span bridge near Covington, LA.
03/16-02/19	**S.P. H.011670, I-10/Loyola Interchange Improvements, Jefferson Parish, LA (DOTD).** Project Manager/Lead Engineer. Lead design team for Line and Grade studies and the Environmental Assessment (EA), assisted in preparation of the EA document, critical geometry, interchange modification and alternative screening, lead engineer for the design of a four-level stacked, directional interchange ($150 million) including roadway and bridge, curved steel plate and prestressed concrete girder bridges, urban roadway sections, major utility conflict assessments, cost estimates, public meetings and quality control for a diverging diamond interchange (DDI) for the new interchange on I10 at Loyola Dr. for the new airport terminal at Louis Armstrong International Airport (MSY). [Prior to Crescent]
03/15 – 05/18	**S.P. H.004932, I-49 South @ LA 318 Interchange, St. Mary Parish. LA (DOTD).** Project Manager & Engineer of Record. Responsible for Design-Build team coordination, Value Engineering Assessment, roadway geometric design including H&V geometry, hydraulic design including SDP, SD and CDP, intersection layout and design, striping/signing, TMP, environmental support including public hearings and oversight of plan production for nearly (3) miles of RC-2 classification frontage roads for new Interchange on I-49 South. [Prior to Crescent]

Firm	CRESCENT ENGINEERING & MAPPING, LLC		
James Ledet, PE, F.ACEC President/Manager		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	44
Degree(s)/Years/Specialization	BS/1982/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.22428/LA/03.31.26		
Year Registered	1986	Discipline	PE/Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Alternatives Development & Conceptual Engineering **Brief Description:** Roadway Design Quality Control		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/24-Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish).** Quality Control Engineer. Responsible for QC reviews of roadway design elements including H&V alignments, roundabout and j-turn geometrics and drainage design for the widening of an existing roadway from 2-lane to 4-lane with a divided median and two multi-lane roundabouts.
08/24-Ongoing	**LA 44: Pelican Point Roundabout and Widen, S.P. H.015568, Ascension Parish, LA (DOTD) –** Roadway/Hydraulics Quality Control Engineer. Performed existing site drainage reconnaissance, Quality Control Engineer for roadway design plans including typical sections, hydraulic design, storm drain plans and plan/profile sheets for the 1-mile of urban collector roadway widening design from a 2-lane to a 4-lane roadway with a divided median including a multi-lane, 3-legged roundabout, J-turn intersections and reconstruction.
05/15-08/17	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (DOTD).** Senior Supervising Engineer. Supervision and oversight of topographic survey, right-of-way mapping and roadway design services including QC of hydraulic analysis, r-cut and j-turn geometrics, construction phasing and supervision of plan production for the new **5.5-mile, four-lane RA-3 road from LA 435 to Bush, LA.** [Prior to Crescent]
06/11-12/17	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA. (Terrebonne Parish).** Supervising Engineer. Responsible for the oversight of the topographic survey, right-of-way mapping, roadway design and bridge design for a new 1.6-mile, 2-lane, urban arterial roadway extension in Houma, LA. Also responsible for review of all major road design elements including horizontal and vertical alignments, roadway and intersection geometrics, major cross drain and storm drain design, graphical grades, joint layouts, superelevation calculation and project quantities. Oversaw plan production and provided bidding and construction support for the project. [Prior to Crescent]
08/24-Ongoing	**S.P. H.015568, LA 44: Pelican Point Roundabout and Widen, Ascension Parish, LA (DOTD).** Quality Control Engineer. Responsible QC reviews of roadway design elements including H&V alignments, roundabout geometrics, J-turn intersection geometrics and existing and design drainage maps for a multi-lane roundabout at the intersection of LA 44 and Pelican Point Parkway in Gonzales, LA.

07/22-Ongoing	**S.P. H.015333, H.015404, H.015407-Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish, LA (DOTD).** Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed roadway and bridge plans and bridge details, review calculations for the replacement of 4 bridge sites Parish- wide in Tangipahoa with reinforced concrete slab spans and reinforced concrete box culverts.
1994-1997	**S.P. 413-01-0011, Hollywood Rd./LA 311 Intersection Improvements/Bridge Replacement, Terrebonne Parish, LA (DOTD).** Engineer of Record/Project Manager. Responsible for design of roadway, hydraulics, utility relocations drainage improvements, intersection geometry, permanent striping and signing, construction phasing, bulkheads and bridge design services for intersection improvement and Off-System bridge replacement project. [Prior to Crescent]
11/99-01/01	**S.P. 742-07-0019, Bayou Gardens Blvd. Widening: LA 659 to Alma St., Terrebonne Parish, LA (DOTD)-**Engineer of Record/ Project Manager. Responsible for topographic surveying, roadway design including geometrics and intersection improvements and subsurface drainage design for the one-mile UA-2 widening project. [Prior to Crescent]
02/05-05/08	**S.P. 246-01-0054, Route LA 57: Grand Caillou Road, Terrebonne Parish, LA (DOTD).** Engineer of Record. Responsible for all roadway design aspects including and subsurface drainage design; construction support and topographic survey for two-mile long UA-2, five-lane widening project. [Prior to Crescent]
12/22-05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (DOTD).** Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, re-viewed roadway and bridge plans and bridge details, review calculations for the 3-span curved replacement structure. Accelerated de-sign schedule.
11/13-11/18	**S.P. H.010557, Lajaunie Road/Lateral 1 Bridge over Bayou St. Clair, Lafayette Parish, LA (DOTD).** Senior Professional/QA/ QC. Supervision of topographic surveying and engineering design including roadway and bridge design for preliminary plans of the 80' RC Slab and quad- beam, superelevated, curved Off-System bridge structure including roadway upgrades to RL-3 criteria. [Prior to Crescent]
04/23-Ongoing	**Bridges Near Amite, Tangipahoa Parish, LA (Tangipahoa Parish)**. Quality Control Engineer. Responsible for QC reviews of hydraulics and bridge design including bridge TS&L of alternatives including RC slabs and RCB's, bridge hydraulics and scour analysis, bridge H&V geometry, review calculations and plan production/details, urban drainage design, for the replacement of three (3) bridge structures within Amite City, LA.
12/22-Ongoing	**S.P. H.014992, McHugh Road over Brushy Bayou, East Baton Rouge Parish, LA (DOTD).** Quality Control Engineer. Responsible for QC reviews of roadway and bridge design including bridge TS&L, bridge hydraulics and scour analysis, roadway and bridge H&V geometry, reviewed roadway and bridge plans and bridge details, review calculations for the replacement structure using special 25' spans, special bents and cantilevered sidewalks for the replacement of the existing vehicular and pedestrian bridges near Baker, LA.

Firm	AECOM TECHNICAL SERVICES, INC.		
Peter Bakhit, PhD, PE, PTOE • **MPR 6** Traffic Engineer		Years of Relevant Experience with this Employer	2.5
		Years of Relevant Experience with Other Employer(s)	6

Degree(s)/Years/Specialization	PhD/2018/Civil Engineering, Louisiana State University MS/2015/Civil Engineering, Cairo University BS/2012/Civil Engineering, Cairo University		
Active Registration Number/State/ Expiration Date	PE.0049303/LA/03.31.26 Additional active license in TX PTOE #5713/Exp. 07.09.27 DOTD Traffic Process and Report Parts 1, 2 and 3 (2019)		
Year Registered	2021	Discipline	Civil
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Traffic & Safety Lead/Traffic Forecasts/Traffic Modeling **Brief Description:** Peter will help lead the traffic and safety tasks associated with any Stage 0 work. Peter is a professional engineer with more than 8 years of experience focusing on the transportation industry. He has experience working on projects for DOTD 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. Peter is also a member of ASCE and ITE organizations.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
06/19-12/19	**DOTD, 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.
04/19-01/22	**DOTD, Pete's Highway Interchange Alternatives & Environmental Assessment, Denham Springs, LA.** Traffic Engineer. Responsible for traffic analysis of proposed build alternatives using Vissim software.
04/18-05/19	**DOTD, 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.
07/13-12/15	**DOTD, 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	**DOTD, I-10 (LA 73 to LA 429) Ascension Parish IMR & IJR Study, DOTD, Ascension Parish, Louisiana, 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.
11/20	**DOTD, I-10 CMAR, East Baton Rouge Parish, LA.** Traffic Engineer: Responsible for wide range of traffic engineering tasks including development of permanent signing plans, Interchange Modification Reports, and Transportation Management Plans for the widening of Interstate-10 from LA 415 to Essen Lane and improvements to interchanges along this segment. The improvements also include the intersections nearby study area.

Firm	VECTURA CONSULTING SERVICES, LLC		
Laurence Lambert, PE, PTOE • **MPR 6** Supervisor - Engineering		Years of Relevant Experience with this Employer	9
		Years of Relevant Experience with Other Employer(s)	18
Degree(s)/Years/Specialization	BS/1997/Civil Engineering MS/2006/Civil Engineering (Transportation focus) MBA/2010		
Active Registration Number/State/ Expiration Date	PE.0029901/LA/03.31.26 PTOE #1303/02.03.28 DOTD Traffic Process and Report Parts 1, 2 and 3 (2018) ATSSA Traffic Control Supervisor/LA/04.29.26		
Year Registered	2002	Discipline	Civil
Contract Role(s)/Brief Description of Responsibilities	**Contract Role:** Complete Streets/Bike & Pedestrian/Access Management/MOT/Constructability/TMP//ITS **Brief Description:** Laurence will manage all data collection, traffic operational analyses and alternative recommendations.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
12/23-08/24	**South Range Road Operations Study Stage 0 Feasibility Study (Tangipahoa Parish, LA).** Laurence was the Principal in Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The **corridor study** included traffic data collection, pedestrian/bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.
05/23-05/24	**Stage 0 Feasibility Study-US 190/Fremaux Avenue Sidewalk Study (Slidell, LA).** As a subconsultant to Richard C. Lambert Consultants, LLC, Laurence was the principal in charge for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
02/21-02/22	**St. Charles Land Use Update (St Charles, LA).** As a subconsultant, Laurence was the lead transport engineer for the land use update plan for the parish of St. Charles. The project consisted of identifying existing conditions, public participation/visioning, existing condition analysis, scenario development, and implementation.
01/22-04/22	**Estates of Silver Hill Residential Development (Tangipahoa, LA).** Laurence was the lead transportation engineer for a traffic impact study for a private development in the study area. The project scope included 7-day tube counts, turning movement counts, existing conditions analysis, trip generation/distribution, and build analysis. The traffic study was reviewed and approved by Tangipahoa Parish. **The project limits included Havery Lavigne Road at Firetower Rd, Mike Cooper Rd. at Harvey Lavigne Rd, Harvey Lavigne Rd. at Salt Grass Dr., and Firetower Rd. at Fayette Ln.**

09/20-04/21	**MOVEBR LA 67 (Plank Road) Enhancement Project (Baton Rouge, LA).** Laurence was the project manager to enhance transit, bicycle, and pedestrian mobility on Plank Road that required both City-Parish and DOTD approval. Laurence evaluated the proposed pedestrian crossings on LA 67 using the DOTD Traffic Engineering Manual pedestrian warrants found in Section 3B.2. Laurence also developed traffic operations evaluation of the traffic study which included traffic signal timing evaluations.
02/19-07/19	**Fairhope Residential Development (Tangipahoa, LA).** Laurence was the lead transportation engineer for a traffic impact study for a private development in the study area. The project scope included 7-day tube counts, turning movement counts, existing conditions analysis, trip generation/distribution, build analysis. The traffic study was reviewed and approved by DOTD. **The project limits included LA 445 at I-12 westbound ramp, I-12 eastbound ramp and LA 2**2.
10/17-10/18	**H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA).** Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. **Laurence collected AM & PM peak vehicle turning movement counts** as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop **growth rates and design year volumes**. Laurence then performed Highway Capacity Manual analysis for 5 intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
02/17-10/17	**Judge Tanner Boulevard at N. Causeway Roundabout Study (St. Tammany Parish, LA).** Laurence performed a Stage 0 Feasibility Study for **Roundabouts** at 4 intersections in Mandeville area. The scope was developed based on EDSMs VI.1.1.1/ VI.1.1.5 and DOTD Traffic Engineering Manual (TEM) Section 20.2. 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. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized, and **roundabout** analyses for years 2020 and 2040, AM & PM peak hours. Laurence developed a report that captured all the results.

Firm	AECOM TECHNICAL SERVICES, INC.		
Sreeni Bollu, PE Civil Engineer		Years of Relevant Experience with this Employer	3.8
		Years of Relevant Experience with Other Employer(s)	18
Degree(s)/Years/Specialization	MS/2003/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.0034330/LA/03.31.27 Additional active liceanses in TX, FL		
Year Registered	2009	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Hydrology & Hydraulics **Brief Description:** Sreeni is a civil engineer with over 18 years of experience in all phases of project development from conceptual design to construction management. He is in charge of project management and the civil engineering personnel, including schedules, staff, budgets, technical review and account management. He has provided professional consulting services to numerous public and private clients, serving as Project Manager or Project Engineer on roadway improvements, drainage studies, hydraulic models and designs, drainage improvements, levees, flood control projects, site developments, commercial & residential subdivisions, and construction management.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
06/21-Ongoing	**Broadmoor Groups D & E, New Orleans Department of Public Works, New Orleans, LA.** Project Manager 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-Ongoing	**Milan Group A, New Orleans Department of Public Works, New Orleans, LA.** Project Manager 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..

Firm **AECOM TECHNICAL SERVICES, INC.**

Derek Chisholm AICP, ENV SP, LEED GA • **MPR 8**

Associate Vice President, Senior Transportation Manager
Environmental Justice/Section 4(f) & 6(f)

Years of Relevant Experience with this Employer	10
Years of Relevant Experience with Other Employer(s)	23

Degree(s)/Years/Specialization	MPA/1997/Public Affairs BS/1994/Organizational Management		
Active Registration Number/State/ Expiration Date	American Institute of Certified Planners #147159 2011 LEED Green Associate (#10148303) 2014 Envision Sustainable Professional Certified in Charrette Management by National Charrette Institute (2006) DOTD Traffic Process and Report Parts 1, 2 and 3 (2021) FHWA-NHI-142004 NEPA		
Year Registered	2011	Discipline	Environmental
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Purpose & Need/Complete Streets/Bike & Pedestrian/Content Sensitive Solutions/ Environmental Justice/Section 4(f) & 6(f)/Public, Stakeholder & Agency Coordination **Brief Description:** Derek will assist in the purpose and need of Stage 0 reports. He will also lead the development of complete streets and content sensitive solutions. He will also assist the team in conducting Section 4(f) & 6(f) along with public and agency coordination. Derek is a senior-level NEPA expert and Project Manager living in Louisiana, with over 30 years of progressive experience. He has managed complex, conceptual planning and NEPA studies for different State DOTs, FHWA, and FTA. He has lead the NEPA and permitting processes for many roadways, bridges, and Port improvements, and is very familiar with the DOTD environmental processes. Derek was contributing writer for two books including ASCE's Engineering for Sustainable Communities.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** CSS Task Lead for the Design Study 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. Derek is assisting with GI, and Complete Streets.
11/17-04/20	**DOTD State Project No. H.001779.2, Jimmie Davis Bridge Supplemental EA, Bossier and Caddo Parishes, LA.** Derek served as a Senior NEPA Advisor on this project, providing quality control review and assisting on complex issues related to bicycling connectivity, Section 4(f) and the final FHWA comments on the preliminary, draft Supplemental Environmental Assessment. (EA).
03/19-Ongoing	**I-11 Corridor Alternative Selection Report and Tier 1 Environmental Impact Statement (EIS), AZ.** The I-11 Corridor Study required conducting alternatives analysis and preparing a Tier 1 Environmental Impact Statement (EIS) to assess a new 280-mile high-capacity, access-controlled transportation corridor in Arizona. Derek served as a Advisor on 4(f), demographics analysis, and the Environmental Justice sections, and provided guidance and quality control

09/15-04/17	**Multimodal Transportation and Traffic & Safety Analysis, and Transportation Plan (NODTA), City of New Orleans Department of Public Works, New Orleans, LA.** Lead Planner for multimodal transportation analysis and plan for the New Orleans Downtown and historic French Quarter neighborhood. Dozens on bicycle, pedestrian and vehicular alternatives were developed and evaluated and selected improvements were programmed, based on the integrated modal-access analysis, including pedestrian LOS modeling around transit stops
05/10-08/13	**Clackamas River-Springwater Road Bridge-Clackamas, OR.** This project developed and evaluated alternative river crossings in the core of Carver, Oregon. Derek led the public involvement discussions and aspects of the alternatives analysis. He also led the NEPA process.
10/16-Ongoing	**DOTD, SPN H.004273.5, I-49, Lafayette Connector Project, Lafayette, LA.** Derek started work on the I-49 Connector as an environmental advisor and now leads the NEPA process that will publish a DSEIS this summer. He was also the Context Sensitive Design lead for this $2 billion project consisting of 5.5 miles of interstate and local roadway improvements, including over four miles of elevated structure.
03/06-02/13	**Columbia River Crossing, Portland, OR.** This project included a major bridge over a navigable waterway with multimodal improvements between Portland Oregon and Vancouver Washington, including the extension of the Portland Light Rail Transit system. As the Consultant Environmental Team Manager, Derek worked with the design teams and others to prepare environmental documentation, plan amendments, and numerous impact analyses.
04/19-05/21	**FHWA Synthesis Report on Automated Vehicles and NEPA, Nationwide.** Derek is the Project Manager for this national study of the manner in which automated vehicles are being incorporated in NEPA analysis. FHWA Synthesis Report, National Baseline for Complete Streets Implementation, Nationwide. Derek is leading a team that is beginning a study of Complete Street Policy implementation at the nation's 52 DOTs. The project will identify key performance indicators; execute a national survey of DOT leadership; identify gaps, notable practices and recommendations.
03/07-11/10	**HWY 99 Bypass NEPA, Yamhill County, OR.** 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.
02/08-12/11	**Neighborhood Cohesion Calculator, EPA/FHWA, Nationwide.** The Neighborhood Cohesion Calculator helps participating communities conduct an audit of the assets in neighborhoods. The calculator can be used to evaluate how major projects may impact neighborhoods. The Calculator and the methods behind it were the focus of a **EPA Community Involvement Training** and was showcased at the National Neighborhood USA Conference in 2009.

Firm	AECOM TECHNICAL SERVICES, INC.		
Daniel Boyd, PE • **MPR 7** Louisiana Bridge Practice Leader/Project Manager		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	PE.0036728/LA/03.31.26 Additional active license in TX, MS		
Year Registered	2011	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Bridges/Structural **Brief Description:** Daniel is an **AECOM certified Project Manager** with nearly 20 years of structural engineering experience in the transportation industry. He most recently was a part of an DOTD Bridge Preservation IDIQ as a Deputy Project Manager, DOTD's I-49 Lafayette Connector, and multiple design build projects in Dallas and Austin, TX. His technical experience encompasses design of bridges crossing navigable waterways, steel girder design, precast/prestressed concrete girder design, structural steel design, structural concrete design, retaining walls, and drilled shaft and driven pile foundations design. Daniel is also an NHI certified bridge inspector. He has a thorough working knowledge of AASHTO and Louisiana DOTD Standards, and through his project experience, has an understanding of the project delivery process required to guide a transportation project from an idea to a constructed reality.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/23-Ongoing	**DOTD, Bridge Preventative Maintenance IDIQ, Statewide, LA. Deputy Project Manager.** Served as Deputy project manager and structural task manager for multiple Task Orders as part of the ongoing Bridge Preservation IDIQ contract. Responsible for final bridge design of a replacement bridge structure project (H.015603) for LA 10 Bridge over Bayou Carron, providing design and calculations, as well as oversight and discipline coordination, for the entirety of the structural scope of the project. For LA 561 Bridge over Boeuf River (H.001970), provided preliminary bridge and foundation design, discipline coordination, and coordination with DOTD. For LA 641 Bridge over I-10 (H.015603), performed bridge inspection services, load ratings, and bridge repair details and calculations to mitigate damage incurred by an equipment impact to this bridge.
10/06-08/11	**DOTD, US 71/165 Fort Buhlow Bridge/KCS Railroad Overpass, Alexandria, LA.** Bridge Design Engineer. For the navigable channel of the Red River, performed design and calculations for the 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 the river levees. Designed all aspects and components of the steel plate girder bridge units, including diaphragms, bolted splices, bearings, stiffeners, etc. Also performed analysis and design of prestressed concrete girders, concrete bridge deck and columns, bents, and PPC piles, and performed peer review on other components of the project. Collaborated with steel fabricator to review/approve shop drawings and RFI's.

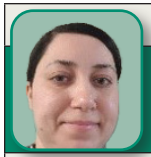
03/21-Ongoing	**DOTD, I-49 Connector, Lafayette, LA.** Structural design and review for the conceptual and preliminary design of this 7-mile reconstruction of I-49 through downtown Lafayette, LA. Performed reviews of I-49 mainline viaduct layouts for the three different structural options being presented to DOTD for selection. Performed reviews and updated structural quantities and costs to reflect current design layouts and current bid pricing to ensure consistency across the three structural options.
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 and design on multiple aspects of project. Design responsibilities included concrete bridge deck design, guard rails, analysis and design of prestressed quad beam concrete girders, girder bearing design, and design of prestressed concrete piles and pile bents. Also performed calculation reviews on multiple aspects of project.
10/19-12/20	**CPRA, LA 23 Bridge, Plaquemines Parish, LA.** Bridge/Structural Engineer. The project consists of a new concrete precast girder bridge, approximately 2,200 feet in length, and the connecting roadway. Assisted with the design plans for the new bridge and roadway structure over the new sediment diversion. Provided QA/QC reviews of calculations and bridge plans.
01/20-Ongoing	**TxDOT, LBJ East Design Build Project, Dallas, TX.** 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 drilled shaft foundations for each structure. Designed foundations for High-Mast Lighting and Mast-arm mounted traffic signals in accordance with AASHTO Structural Supports for Highway Signs, Luminaires, & Traffic Signals Specifications. 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.
03/21-06/24	**TxDOT, Oak Hill Parkway, Austin, TX.** Design Engineer. Design engineer for one bridge package, providing analysis and design for multiple substructures and drilled shaft foundations, Independent Design Check (IDC) engineer for the design of three prestressed bridge packages, and all IDC engineer for all Overhead Sign Structures and Toll Gantries 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, and review shop drawings. Provided layout, design, and calculations necessary for Retaining Walls and drilled shaft foundations that were modified during DSDC phase. Task leader and EOR for the final as-built Load Ratings for all new bridges on the project.
10/20-Ongoing	**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. Provided engineering support during Design Services During Construction (OSCO) phase to answer RFI's, resolve field issues, review shop drawings, and perform calculations necessary for changes made during construction. Task leader and EOR for the final as-built Load Ratings for all new bridges on the project.
04/20-11/20	**Port of Gulfport, Port of Gulfport Connector, Gulfport, MS.** Deputy Project Manager and Structures Discipline Leader. The project performed a preliminary layout and design for a new bridge structure to carry 30th Ave. across Hwy. 90 to provide direct trucking and heavy haul access to the Port of Gulfport. Performed geometric layout, preliminary structural design for prestressed concrete girders and steel plate girder superstructures, and preliminary substructure design for the new bridge.

Firm	AECOM TECHNICAL SERVICES, INC.		
Gary Maji, PE • MPR 7 Louisiana Bridge Practice Leader/Project Manager		Years of Relevant Experience with this Employer	28
		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/3.31.27 Additional active licenses in CO, UT		
Year Registered	2011	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Bridges/Structural **Brief Description:** 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 (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/18-Ongoing	**DOTD (H.004273), I-49 Connector, Lafayette, LA.** Structure task manager for the 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.
01/25-Ongoing	**DOTD (H.015603), LA 641 Bridge over I-10, Gramercy, LA.** Project manager for the site assessment, superstructure inspection, and bridge load rating efforts required to prepare bridge girder repair plans, improve the bridge load rating and extend the bridge service life for this 1584-ft, multi-span, pretensioned concrete line girder structure. In April 2023, an over-height equipment trailer impacted a portion of the LA 641 Bridge spanning across the WB lanes of I-10 bridge. The emergency bridge inspection identified damage in Span #10, approximately 31 feet from Bent #11 over the outside WB travel lanes.
05/24-08/25	**DOTD (H.0011993), LA 10 Bridge over Bayou Carron, St. Landry Parish, LA.** Project manager for the final bridge design required for the replacement of an existing truss bridge over Bayou Carron. Gary and the AECOM Team worked integrally with DOTD project manager, geotechnical, roadway, and district staff to develop final design calculations, bridge quantity cost estimates, and construction documents for the advertisement of this 3-span replacement bridge using LG36 precast, pretensioned concrete girders.

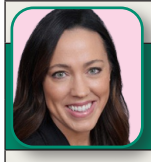
02/23-10/24	**DOTD (H.001970), LA 561 Bridge over Boeuf River, Hebert, LA.** Project manager for the preliminary roadway and bridge design required for the replacement of an existing 3-span truss bridge over the Beouf River in Richland and Caldwell Parishes. Gary and the AECOM Team worked integrally with DOTD project manager, geotechnical, environmental, and district staff to confirm approach roadway, drainage, right-of-way, utility, and bridge requirements to replacement this structurally deficient bridge.
09/18-05/19	**DOTD (H.011670), I-10 at Loyola Avenue Interchange Design-Build Tender Offer, Kenner, LA.** Proposal Project Manager and Structural Design Manager for 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.
05/20-09/21	**El Paso County, South Academy Blvd. over BNSF Rehabilitation, El Paso County, CO.** Structure lead and in responsible charge for the 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 per UPRR/BNSF RR Grade Separation Guidelines.
10/23-Ongoing	**Brent Spence Bridge Corridor Project, Bi-State Management Team, Cincinnati, OH.** Design Quality Manager for the design and construction of this $3 billion+ major infrastructure reconstruction project in Ohio River Valley of Cincinnati, OH and Covington, KY. As design quality lead, Gary is responsible for the development, training and implementation of a project-specific design quality management plan (DQMP) to deliver project reports, construction plans and specifications using a progressive design build project delivery method. The DQMP outlined roles and responsibilities, referenced project specific design criteria, and defined design quality protocols for quality checking and assurance activities for over 200+ engineering staff.
04/18-09/18	**CDOT, SH 59/I-70 Emergency Bridge Replacement (CDOT NPS Contract), Seibert, CO.** Quality Manager for the emergency bridge replacement project of the SH59 Bridge over I-70 in eastern Colorado. Gary developed project quality schedules, technical protocols and provided quality audits for this multi-disciplinary, blended-team project bridge and interchange reconstruction project. CMAR contracting enabled CDOT's project team to replace the bridge and bring the interchange geometry to current AASTHO standards re-opening the interchange 76-days after the initial closure.
03/13-05/21	**City of Fort Collins, Lemay Avenue over BNSF/Vine Improvements, Fort Collins, CO.** Structure manager for the 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 prestressed concrete girder 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.
02/96-05/97	**City of Virginia Beach, Route 60 (Pacific Ave) over Rudee Inlet, Virginia Beach, VA.** Bridge engineer for the 8-span, 690-ft prestressed concrete girder twin-viaduct. This bridge rehabilitation project required detailed planning and coordination to evaluate substructure deterioration concerns associated with vessel impact damage. Extensive utility and marine coordination was a necessity to expedite this project's completion. Substructure rehabilitation design components required the incorporation of AASHTO's seismic category B requirements and the design of a new bridge fendering system at two (2) pier locations.



Firm	AECOM TECHNICAL SERVICES, INC.		
Sarah Elsawah, PE Bridge Design		Years of Relevant Experience with this Employer	<1
		Years of Relevant Experience with Other Employer(s)	7
Degree(s)/Years/Specialization	MASc/Civil Engineering/Syracuse University/2018; Beng/Bridge Engineering/Concordia University/2016		
Active Registration Number/State/ Expiration Date	PE.0046814/LA/09.30.26		
Year Registered	2022	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role:** Bridges/Structural **Brief Description:** Sarah will assist with any required bridge or structural design. Sarah has over 7 years of experience in bridge design, with a strong emphasis on bridge analysis, including but not limited to load rating and bridge testing. Her expertise spans load testing of both simple and complex structures, assessment of bridges in poor condition, and advanced analysis of continuous steel spans and movable bridges. She also has extensive experience in bridge design and rehabilitation projects, contributing to both design-bid and rehabilitation efforts.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/25-Ongoing	**DOTD, Bridge Preservation IDIQ 2022-2027-LA 641 Bridge Load Rating & Repair, St. James Parish, LA.** Engineer responsible for calculating the load rating for the entire bridge in its as-condition state and preparing a comprehensive load evaluation report. Additional responsibilities included determining the post-repair load rating and generating the as-designed load rating report. In 2023, a prestressed concrete bridge was damaged in an accident, resulting in concrete spalling and exposed, broken strands on three girders. These services were carried out within the framework of a multi-year task order contract
8/24-12/24	**DOTD, LA.** 143 Bridge, Ouachita Parish, Louisiana. Project engineer who reviewed sheets prepared by young engineers and prepared sheets that included bridge geometry (foundation layout, framing plans, etc.) for a new precast prestressed concrete I-beam bridge. The 700-foot bridge superstructure and substructure were designed based on the AASHTO-LRFD and BDEM.
5/24-12/24	**DOTD, Load Rating of 89 Bridges, Statewide, LA.** Project engineer who assisted young engineers by reviewing load rating reports for bridges and prepared load rating reports of 89 on-system bridges in the state of Louisiana. The project consisted of complex and simple bridges, including railroad flat car, steel low truss swing span, suspended steel plate girder, slab spans and continuous deck slab spa
01/24-04/24	**DOTD, NDT of Load Testing, Evaluation and Load Rating Retainer Contact, statewide, LA.** Project engineer who led young engineers in determining the tested members of the 3,455-foot steel plate girder for testing the bridge's superstructure of four steel and concrete bridges, including concrete slab span, Continuous steel I-beam, and 3,455-foot steel plate girder. Responsibilities also involved preparing a finite element model for the test spans to validate the field data, analyzing the field data, submitting a modified BrR model to reflect the load test results, and preparing a detailed report with the load test results. The goal of the project was to eliminate the current posting of the bridges

11/23-3/24	**Dura Stress, Creep Issue, Tampa, FL.** Project engineer who analyzed previous data versus the design camber, investigated the cause of the problem and suggested an alternative procedure to avoid the issue in the future, and prepared a detailed report as part of the research investigating the reason a precast prestressed girder camber measured before erection was much less than that of design camber. The project aimed to provide the manufacturer with guidance and suggestions to improve the casting of the beam and eliminate construction issues.
03/23-06/23	**DOTD, US 190 over US 61 Repair, Baton Rouge, LA.** Quality assurance/quality control specialist who thoroughly reviewed the plans before the final submittal for the rehabilitation of a 200-foot-long reinforced concrete deck span. The repair included concrete patching and CFRP sheets to repair the superstructure and substructure.



Firm	CRESCENT ENGINEERING & MAPPING, LLC		
Megan Miller, PE Project Engineer		Years of Relevant Experience with this Employer	1
		Years of Relevant Experience with Other Employer(s)	13
Degree(s)/Years/Specialization	BS/2010/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.39897/LA/09.30.25		
Year Registered	2015	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Bridges/Structural **Brief Description:** Roadway Design Quality Control		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/24-Ongoing	**LA 44: Pelican Point Roundabout and Widen, S.P. H.015568, Ascension Parish, LA. (DOTD).** Bridge Design Lead Engineer. Responsible for preparation of bridge evaluation report, existing bridge load rating (LRFR) using BrR 7.6, prepared bridge Type, Size and Location (TS&L) study, prepared preliminary bridge plans for a 5-span, split phase construction RC Slab span bridge for the 1-mile of urban collector roadway widening design from a 2-lane to a 4-lane roadway with a divided median, J-turn intersections and reconstruction.
08/24-Ongoing	**LA 3127 Extension (LA 70 to LA 1), Ascension Parish, LA (Ascension Parish Government).** Bridge Design Engineer. Prepared bridge design, plan sheets and cost estimates for the Stage 0 feasibility study for entire corridor (8 miles of 4-lane divided roadway) with six (6) bridge sites, Lead bridge design for Phase I portion of project for the preparation of Preliminary Plans for 2 bridge sites (Bayou Napoleon) including curved, superelevated reinforced concrete slab span bridges.
05/24-Ongoing	**S.P. H.001344, US 190: LA 437 to US 190 (BUS) (Ph. 1), St. Tammany Parish, LA (DOTD)**. Bridge Project Engineer. Responsible for bridge design tasks including development of TS&L, typical sections, foundation plan, General Plan/Elevation, superstructure modeling using LEAP CONSPAN, and development of bridge plans for a 1400-foot-long bridge over the Bouge Falaya River in Covington, LA using LG 36 and LG 54 prestressed concrete girders. Performed reviews of contractor bridge submittals and shop drawings.
03/17-06/22	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James and Lafourche Parishes, LA (DOTD)**. Lead Bridge Design Engineer. Performed all bridge design tasks for the widening of LA 20 including bridge replacement using split-phase construction methods. Performed superstructure and substructure design using various programs including LEAP CONSPAN, STAAD ProV8i, prepared construction phasing details, foundation plans and assisted with bridge plan production. [Prior to Crescent]
02/17-08/19	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (DOTD).** Lead Bridge Design Engineer/Engineer of Record. Performed all bridge design tasks associated with the widening of the I-12 bridges over the Tammany Trace Bike Path utilizing AASHTO Type III Precast, Prestressed concrete girders with multiple, varying skewed spans in a vertical curve. Designed girders and deck using various programs including LEAP CONSPAN, STAAD, and BrR (Virtis). Performed substructure design using STAAD ProV8i and LEAP CONSPAN, designed bearing pads, framing and foundation plans. Assisted with bridge plan production including partial demolition and construction phasing plans for the interstate widening project. Also provided construction support in the form of contractor shop drawing reviews. [Prior to Crescent]

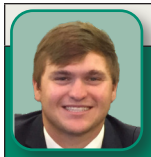
02/24-Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government).** Bridge Engineer of Record. Responsible for designing rehabilitation plans for the existing structure which includes structural steel helper bents and existing bridge load ratings. Led the design of a 30' wide by 140' long replacement structure which includes implementation of split phase construction, As-Designed LRFR analysis and reports, span and bent design using STAAD, OpenBridge, AASHTOWARE BrR. Also responsible for overseeing plan production for bridge plans and details, as well as calculating all bridge quantities including concrete and steel.
02/24-05/24	**S.P. H.015025, Mclin Road over Darling Creek, St. Helena Parish, LA (DOTD).** Bridge Engineer of Record. Responsible for the bridge design elements of a 4-span, 24' clear width, curved, concrete slab span bridge utilizing STAAD and OpenBridge bridge design software programs. Reviewed bridge superstructure and substructure details and performed As-Designed LRFR utilizing AASHTOWare BrR 7.4 of the bridge replacement in St. Helena Parish as a part of the Off-System Bridge Replacement Program.

Firm	AECOM TECHNICAL SERVICES, INC.		
Thomas Hunter Principal Planner		Years of Relevant Experience with this Employer	28
		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; NHI Course No. 142005, National Environmental Policy Act (NEPA) and Transportation Decision Making; Improving the Quality of Environmental Documentation Course (NEPA) 2014		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Purpose & Need/Grant Program Review/Funding/Public & Agency Coordination **Brief Description:** Thomas will assist the team with the development of the purpose and grant writing and public agency coordination. Thomas is a Principal Planner and Certified Project Manager for AECOM. He has 40 years of experience leading and performing multimodal transportation planning/feasibility studies and environmental assessment/NEPA studies for transportation projects including roadway and bridge, ports and marine, transit and rail, and active transportation. He has extensive experience in developing project purpose and need, alternatives development and evaluation, conceptual design and leading stakeholder and public engagement programs.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11/10-03/14	**Stage 0 Feasibility Study and Report, US 61/Tulane Avenue Carrollton Avenue to Claiborne Avenue, NORPC, New Orleans, LA.** Project Manager for preparing a Stage 0 Feasibility Report for a 1.7-mile urban section of Tulane Ave. in New Orleans. Managed all aspects of the project including development of purpose and need, existing conditions analysis, traffic forecasting including new VA and UMC hospitals in the corridor, VISSIM modeling, alternatives development, environmental checklist, cost estimating and stakeholder and public involvement. Alternatives included complete streets concepts with elimination of one travel lane in each direction with enhanced bike, pedestrian and transit operations.
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Project Director for the Design Study, Traffic Study, and Preliminary Plans for the completion of roadway improvement on College Drive and its vicinity between Perkins Road and Bawell Street inclusive of the interchange with I-10. The Design Study will include development of numerous concepts to enhance operational capacity and efficiency along the corridor while including Complete Streets and green infrastructure improvements. Preliminary alternatives were developed and documented using DOTD Stage 0 Project and Scope and Environmental Checklists in order to apply for state and federal funding grant applications to expand funding for the project beyond the allocation of the parish MOVEBR bond funds. Completed the Stage 0 checklists.

10/06-12/07	**I-210 Stage 0 Corridor Study Route I-210, DOTD, Lake Charles, LA. (701-65-0710 & 701-65-0899).** Planner. AECOM conducted a comprehensive traffic and transportation study for the Interstate 210 (1- 210) Corridor in Lake Charles to quantify deteriorating traffic operational conditions and to define transportation strategies that would contribute to long term mobility and the economic viability of the area. The 12-mile corridor spans between Interstate 10 (1-10) at Exit 34, to 1-10 west of the Calcasieu River and includes nine interchanges. The objective of the study was to identify and evaluate existing transportation resources and opportunities; to identify current and future transportation capacity and operational deficiencies; and to identify operational and geometric improvements for the 1-210 Corridor.
09/15-04/17	**Multimodal Transportation and Traffic & Safety Analysis, and Transportation Plan (NODTA), City of New Orleans Department of Public Works, New Orleans, LA.** As the Project Director Thomas oversaw this multimodal transportation analysis and plan for the New Orleans Downtown and historic French Quarter Thom neighborhood. Dozens on bicycle, pedestrian and vehicular alternatives were developed and evaluated and selected improvements were programmed, based on the integrated modal-access analysis, including pedestrian LOS modeling around transit stops. Extensive curb-use revisions, car-free zones, and other innovations were developed for the Quarter and CBD.
02/14-11/14	**Stage 0 Feasibility Study and Report, Weinberger Road, RPC, St. Bernard Parish, LA.** Project Manager responsible for leading 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.
10/06-12/07	**Stage 0 Feasibility Study and Report, Route LA 97, Jennings, LA, State Project No. 701-65-1183.** Sr. Transportation Planner assisted in development and evaluation of alternatives for geometric improvements to widen LA 97 from 2-lanes to 3-lanes within the existing right-of-way. Within a 1-mile segment, intersection upgrades, subsurface drainage improvements, and construction cost estimates were also developed.
03/07-01/08	**Stage 0 Feasibility Study and Report and Environmental Assessment. Globalplex Intermodal Terminal Connector Roadway (LA 637) St. John the Baptist Parish, Port of South Louisiana (PSLA).** Project Manager responsible for development of a Stage 0 Feasibility Report and preparation of an Environmental Assessment (EA) associated with the 1.5-mile widening of LA 637 (West 10th Street) between US Highway 61 and the PSLA Globalplex Terminal. Responsible for project management and technical oversight of project deliverables, stakeholder coordination and public involvement. A FONSI was issued by FHWA in August 2009.
08/06-06/07	**Stage 0 Feasibility Study and Report, I-210 "Buttonhook" Ramp Addition at Admiral King Street, State Project No. 701-65-0709.** Sr. Transportation Planner responsible for assisting in evaluating the feasibility of adding a "buttonhook" type ramp on Interstate 210 westbound from Admiral King Street in Lake Charles. Analysis focused on the limited existing right-of-way and geometric alignment needs for the proposed ramp, as well as its effectiveness on the local transportation network. A point-of-access report was prepared for FHWA, as well.
08/06-02/07	**Stage 0 Feasibility Study and Report, East Prien Lake Road Right-Turn Lane, State Project No. 701-65-0713.** Senior Transportation Planner responsible for evaluation of the need and effectiveness of the addition of a right-turn lane on east-bound East Prien Lake Road at its junction with LA 14 in Lake Charles. Geometric improvements within the existing ROW and costs were key factors of the evaluation.



Firm	AECOM TECHNICAL SERVICES, INC.		
Jonathan Giardina, PE Engineer		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	1

Degree(s)/Years/Specialization	BS/2019/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.0049081/LA/09.30.26		
Year Registered	2024	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Alternatives Development & Conceptual Engineering/Cost Estimates/Utility Impacts & Relocations **Brief Description:** Jonathan will assist in the alternate development and conceptual engineering of the Stage 0 projects. He will also assist in the cost estimates and relocations. Jonathan has experience in technical development for transportation engineering projects. Tasks and project experience include roadway design, waterline design, drainage layout and design, drafting and 3D modeling, construction submittal reviews, design plan development, construction cost estimating, document control, and plan checking.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-01/23	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Roadway Design/CADD Design. Project aims to provide access management, signalization and capacity improvements along College Dr. RFP includes a flyover exit ramp from I-10 westbound Ramp to College Drive. Jonathan assisted with estimating costs of high-level design concepts utilizing the DOTD Bid Tab spreadsheet, road design, and plan development
01/2-01/23	**East Baton Rouge Parish, MOVEBR Program, Airline Hwy./Jones Creek Road TEPR Study, Baton Rouge, LA.** Traffic Engineering Process and Report for the proposed Jones Creek Road Extension that will connect Tiger Bend Road and Airline Highway. Jonathan assisted with existing intersection analysis, queue and unmet demand traffic counts along the corridor, and traffic study report.
06/18-12/23	**Coastal Protection and Restoration Authority (CPRA) of Louisiana, SPN BA-0153, Mid-Barataria Sediment Diversion, Plaquemines Parish, LA.** Planning, engineering and design services ($1.5 Billion CMAR Project) for the creation of the Mid-Barataria Sediment Diversion Channel to strategically reintroduce sediment and freshwater inputs into the Barataria Basin. Jonathan worked on plan development, cost estimation, traffic report, roadway design calculations, guardrail design, plan checking, temporary traffic control planning and design, typical sections, and geometric details.

03/23-Ongoing	**DOTD, LA 561 Boeuf River Bridge Replacement Near Hebert, Caldwell and Richland Parishes, LA.** The project consists of the replacement of a 700 ft through truss bridge with a new prestressed concrete girder bridge and 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. Jonathan worked on the Preliminary design phases by performing roadway design calculations, roadway and drainage layout, modeling, and plan production.
11/19-02/23	**City of New Orleans Department of Public Works, Broadmoor Neighborhood Reconstruction, New Orleans, LA.** Project facilitates a complete reconstruction of 22 neighborhood blocks within the Broadmoor neighborhood in New Orleans. Reconstruction includes the roadway, concrete sidewalks, concrete curbs and/or gutters, driveway aprons, waterlines, and stormwater system and corresponding infrastructure. Jonathan assisted in preliminary design, roadway design, water line design, quantity and cost estimating, design plan development, and client meetings.

Firm	CRESCENT ENGINEERING & MAPPING, LLC		
Abbey Falcon, PE Project Engineer		Years of Relevant Experience with this Employer	2.5
		Years of Relevant Experience with Other Employer(s)	5
Degree(s)/Years/Specialization	BS/2017/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.46035/LA/03.31.26		
Year Registered	2021	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Hydrology & Hydraulics/Aternatives Development & Conceptual Engineering **Brief Description:** Abbey will support the project team on Alternatives Development and Hydraulics and Hydrology.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
07/22-Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish).** Project Engineer. Lead design engineer for several project elements such as H&V alignments, drainage design, roundabout and J-turn geometrics, and preliminary inroads modeling. Project involves widening existing roadway to 4-lane divided and includes two multi-lane roundabouts, geotechnical, environmental for over **4 miles of arterial widening** and multi-lane roundabouts at LA 20 and LA 3213.
08/21-Ongoing	**LA 44: Pelican Point Roundabout and Widen, Ascension Parish, S.P. H.015568, LA (DOTD).** Project Engineer. Assisted in the design effort and conceptual roundabout layouts for the multi-lane roundabout at the intersection of LA 44 and Pelican Point Parkway and the widening of an urban collector from a **2-lane to a 4-lane roadway** in Gonzales, LA. Also responsible for the design of the guardrail and embankment widening and reviewed roundabout and J-turn intersection geometrics and bridge type, size and location.
08/24-Ongoing	**LA 3127 Extension (LA 70 to LA 1), ENG-17-013, Ascension Parish, LA (Ascension Parish Government) –** Road Design Engineer. Lead roadway engineer for the preparation of preliminary plans for a grade-separated interchange of LA 3127 Extension and LA 1 along with industry railroad WYE and directional ramps, prepared plan/profile, bridge layouts and cost estimates. For previous employer, assisted with preparation of Stage 0 feasibility study for entire corridor (8 miles of 4-lane divided roadway), served as a road project engineer for Phase I portion of project, performed drainage design, alignment study, line and grade, prepared Preliminary Plans for approximately 3.5 mile section of new 4-lane divided roadway, prepared cost estimates.
09/18-04/22	**S.P. H.001344, US 190: LA 437-US 190 BUS (Ph. 1), St. Tammany Parish, LA (DOTD).** Project Engineer. Assisted with all roadway design elements on the **1-mile Urban, roadway widening** project including roadway geometrics, graphical grades and drainage design. Prepared quantities, performed Inroads roadway modeling, prepared summary sheets, typical sections, detailing, assisted with the preparation of preliminary and final roadway plans. [Prior to Crescent]
05/17-08/21	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (DOTD).** Project Engineer. Assisted with all roadway design elements on the **4-mile interstate widening project** including geometrics, Level 4 TMP and drainage. Prepared quantities, Inroads roadway modeling, summary sheets, typical sections, detailing, Sequence of Construction sheets, prepared preliminary and final roadway plans. Design was completed under an accelerated project schedule. [Prior to Crescent]

06/17-06/21	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (DOTD).** Project Engineer. Assisted with several roadway design elements for a **5.5 mile, 4-lane corridor project including J-turn and R-cut intersection** geometrics, superelevation calculations, inroads modeling and quantity calculations. Also assisted with the hydraulic analysis of all roadside ditches, side drain pipes and major cross drain pipes. Responsible for the development of the existing and design drainage maps. [Prior to Crescent]
06/17-06/21	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (DOTD).** Project Engineer. Assisted with H&V geometrics, roadway drainage design, roadway and bridge plan production, Inroads modeling, quantity calculations for the **2.7 mile rural safety widening project** including split phased bridge construction of the RC slab span bridge over unnamed Bayou. [Prior to Crescent]
07/20-05/22	**Contract No. 4400017598, Rural Bridge Replacement Initiative (Phase 1), DOTD, Districts 04, 05, 08, and 58.** Engineer of Record. Lead Engineer for the design and plan production of 11 bridge replacements (4 state projects) throughout Central and North Louisiana. Prior to design, conducted project site visits, compiled survey field packs and survey request forms, and reviewed topographic survey deliverables. Responsible for the development of all road and bridge design elements including H&V alignments, bridge hydraulic design, roadway cross-sectional elements, guardrail calculations, geometrical layouts, summary sheets and cost estimates. Delineated the drainage basins for several sites, determined the peak discharge at each bridge site utilizing HYDR1130, and ran the hydraulics model through GEO-HECRAS to determine design water surface elevations, velocities, backwater, and flow area. Produced Final Hydraulic Reports and Scour Memorandum for several sites. Reviewed and assisted in the production of Preliminary and Final R/W Maps. Also responsible for the development of all additional project documentation including Design Report Forms, Bridge and Hydraulic Design Criteria, Design Exceptions and Design Waivers. [Prior to Crescent]
09/1808/20	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish Government, Ascension Parish, LA.** Project Engineer. Assisted with several roadway design elements including quantity calculations, striping/signing and construction phasing for a 1.5 mile widening and reconstruction project in Gonzales, LA. Also performed hydraulic analysis and calculations of all roadside ditches, side drain pipes and cross drain pipes. Performed all calculations in DOTD HYDRWIN Programs including HYDR1120, HYDR1130 and HYDR1140 in or-der to determine ditch depths, pipe sizes and headwater/tailwater elevations. [Prior to Crescent]
06/22-Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish Government).** Project Engineer. Led several roadway design elements for an offset alignment, H&V geometrics, drainage and assisted with bridge design elements including special span/bents, bridge TS&L development, environmental assistance, and subconsultant coordination for the replacement of the existing 4-span bridge near Covington, LA.
05/23-05/24	**S.P. H.015025, Miclin Road over Darling Creek, St. Helena Parish, LA (DOTD).** Lead Project Engineer/EOR. Responsible for all road-way and bridge design including H&V geometrics, drainage design, hydraulics and scour analysis, foundation layout, curved RC slab spans and approach slabs, guardrail design, GPE, on-site detour design, Inroads modeling, developed bridge TS&L, oversight of road and bridge plan production. Project was completed under an accelerated **design schedule.**
06/22-Ongoing	**S.P. No's. H.015333, H.015404 & H.015407: Tangipahoa IIJA Bridge Replacements, Tangipahoa Parish (DOTD).** Lead Project Engineer/EOR. Responsible for all roadway design elements and plan production involved with the spot replacement of 4 bridge structures located along Old Genessee Rd. (2 sites), Easley Rd., and Lewiston Rd. located throughout Tangipahoa Parish. Performed QC review of topographic surveys and is responsible for design elements including H&V geometrics, roadside and structure hydraulics, construction phasing, detour plans, inroads modeling, quantity calculations and cost estimates.
04/20 -04/22	**S.P. H.013953, McManus Road Bridge/Cypress Creek, Richland Parish, LA (DOTD).** Lead Project Engineer/EOR. Responsible for all roadway and bridge design, bridge hydraulics & scour analysis, developed roadway and bridge H&V alignments, drainage design, prepared bridge TS&L, prepared roadway and bridge plans, design report forms, design criteria for the eight (8) span Off-System bridge re-placement. [Prior to Crescent]

Firm	AECOM TECHNICAL SERVICES, INC.		
Lou Costa Senior Planner		Years of Relevant Experience with this Employer	22
		Years of Relevant Experience with Other Employer(s)	30

Degree(s)/Years/Specialization	MCP/1970/City Planning and Urban Design; NHI Course No. 142005, "National Environmental Policy Act (NEPA) and Transportation Decision Making" Introduction to Federal Projects and Historic Preservation offered through the General Services Administration; BA/1964/Political Science and History		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	NEPA
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Transit/Section 4(f) & 6(f)/Public, Stakeholder & Agency Coordination **Brief Description:** Lou will assess built environment impacts and author portions of the NEPA document, using skills developed over 49 years in environmental analysis of highway and transit facilities as well as the management of other land use, transportation, economic development, and historic preservation projects. For the last 29 years, beginning during his employment with the New Orleans Regional Transit Authority, his work has been primarily in the management, participation, and quality review of National Environmental Policy Act projects. He has managed two Environmental Impact Statements (EIS) for the Louisiana Department of Transportation and Development (DOTD) that received Records of Decision (ROD), participated in a third DOTD EIS that received a ROD. He has participated in the preparation of three other EISs that received a RODs for transit projects, managed two DOTD Environmental Assessments (EA) that received a Finding of No Significant Impact (FONSI), and has participated in or done quality review for numerous other highway and transit projects.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/10-02/15	**DOTD State Project No.H.005171 I-49 (Stage 0) Study to Identify Interim Improvements for Safety and Efficiency.** Project Manager for this project that included three separate efforts – (1) 24 Stage 0 Feasibility Study Reports for each Interim and Freeway project identified along the US 90/I-49 South Corridor between Raceland and the Westbank Expressway in Jefferson, Lafourche, and St. Charles Parishes; (2) 16 Stage 0 Feasibility Study Reports for each Interim and Freeway project identified along the Corridor between Ricohoc and Berwick in St. Mary Parish, and (3) a study of the proposed interchange area of US 90, I-310 and the Future I-49 South in St. Charles Parish. Among the projects studied and implemented was Project I-6 Access Management in Paradis in St. Charles Parish. Following the completion of work for these Parishes, the same scope was applied to the segment in St. Mary Parish resulting in improvements in Patterson and Bayou Vista
07/15-Ongoing	**DOTD State Project No. H.004273.5 I-49 Lafayette Connector Supplemental EIS, Lafayette Parish, LA**. Task Lead for preparation of the SEIS for the 5.5-mile segment of I-49 South through the urban area of Lafayette, LA. This assignment includes management of the Section 106 process for the project-both the Standing Structures Inventory Update and the consultation process. To date work has included 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. Currently, the task is working on the Environmental Justice Technical Memorandum.

03/18-Ongoing	**Arkansas Department of Transportation ARDOT Jobs 012305, 090513,090514 and 090636 Highway 112 Widening: Highway 412 – Highway 12 EA Washington and Benton Counties, AR.** AECOM Project Manager for preparation of EA document as subconsultant to Crafton Tull & Associates. AECOM responsibilities included technical analysis other than noise, cultural resources, and ROW acquisitions. Public Hearings were held in each county, and ARDOT has identified a Selected Alternative. The FONSI is currently being prepared.
02/03-01/08	**DOTD State Project No. 700-92-0011 I-49 South - Raceland to Westbank Expressway EIS, Lafourche, St. Charles, and Jefferson Parishes, LA.** Project Manager for the 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 supporting 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. Mr. Costa was the lead author of the EIS document. FHWA issued a ROD in 2008. This project also included a Project Management Plan mandated for mega-projects by SAFETEA-LU.
11/00-12/06	**DOTD, State Project No. 700-99-0230 I-49 South - Wax Lake Outlet to Berwick EIS, St. Mary Parish, LA.** Project Manager for an EIS for 9.3 miles of rural and suburban interstate highway in the US 90 alignment plus a 1-mile rural access road. Wetlands were avoided to the extent possible using 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 and providing interchanges, frontage roads, and drainage improvements. FHWA issued a ROD in 2006.
01/12-03/14	**Maryland Transit Authority, Purple Line EIS, Suburban Washington, D.C.** Member of the AECOM team for the preparation of this EIS. Primary responsibilities 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. FTA issued a ROD in 2014.
07/08-08/12	**Metropolitan Atlanta Rapid Transit Authority, Atlanta BeltLine Tier 1 EIS, Atlanta, GA.** Member of the AECOM EIS team for this major transit project to create a 23-mile system of light rail and trails encircling the inner city of Atlanta in existing railroad corridors, including four major transfer facilities where the BeltLine intersects with the existing MARTA heavy rail system. Primary responsibilities were the transportation and land use sections and a quality control review of the other chapters. He prepared the ROD issued in 2012.
05/13-07/15	**DOTD, State Project No. H.001779.5 Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA.** Project Manager 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. FHWA issued a FONSI in 2015.

Firm	AECOM TECHNICAL SERVICES, INC.		
Tim Simon, AICP Transit		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	14
Degree(s)/Years/Specialization	MS/2010/Urban Planning; BA/2008/Journalism		
Active Registration Number/State/ Expiration Date	American Institute of Certified Planners #30579		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Transit **Brief Description: Tim is a distinguished Texas/Gulf Coast transit rail lead with an impressive 14-year track record in transit planning.** During his tenure, six of which were dedicated to collaborating with transit systems at agencies nationwide, Tim has honed his expertise. In previous employment by public transit agencies in Missouri and Oregon, Tim actively engaged with communities to spearhead major transit studies. These initiatives were instrumental in maximizing the impact of substantial investments in high-capacity transit, transit-oriented development, and enhanced transit services.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/22-Ongoing	**CapMetro GPC.** Program Manager. Tim managed and supported the agency across multiple task orders in varying capacity. Tim has formed a partnership with CapMetro and has made collaboration and integration paramount to the GPC contract. Task Orders issued to AECOM through the GPC Contract: ▶ Bergstrom Spur Transit Study ▶ Red Line Trail Study ▶ Facilities Conditions Assessment ▶ Strategic Plan ▶ ETOD Strategic Plan & Transit Development Guidelines ▶ Fare Collection & Title VI Analysis ▶ Federal Strategic Advisory Support Services ▶ Facility Master Plan (FMP) – Phases I & II
05/17-Ongoing	**Project Connect, CapMetro's long-range, High Capacity Transit (HCT) System Planning Initiative.** Multiple Roles. Across multiple contracts and task orders, Tim has supported the project in varying capacity to identify, define, evaluate, and recommend new HCT investments for the Austin community. Tim provided technical support for the AA during the development and refinement of evaluation criteria that specifically related to ridership and transit propensity. He remained a technical lead and took on a broader leadership role during the Phase 2 effort to determine preferred alignments, modes, guideway profiles, station locations, and transportation system integration for eight corridors identified through Phase 1. He brought a critical perspective that helped integrate the future HCT with the existing transit network. Currently Tim serves as the Resource Lead for the Austin Transit Partnership (ATP) Delivery Partner Contract.
06/24-Ongoing	**DART CORE.** Tim is the project manager working with DART on the CORE Phase II task order under their GPC contract. Tim is leading a team to confirm priority projects, preliminary design (conceptual - 10%) for projects, schedule, and cost estimates for BRT improvements on 20 key corridors in the system. The project team is developing design guidelines that can be shared with cities and private developers to enhance access to bus routes and better integration of bus stops/amenities.

Firm	CRESCENT ENGINEERING & MAPPING, LLC		
Paul Olivier, PE Engineerng Manager		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	13
Degree(s)/Years/Specialization	BS/2010/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.39967/LA/03.31.26		
Year Registered	2015	Discipline	PE/Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Cost Estimates **Brief Description:** Paul will support the Project Team with the cost estimates.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
02/23-Ongoing	**LA 3127 Widening (LA 20 to LA 3213), St. James Parish, LA (St. James Parish).** Supervising Engineer. Provided oversight of project de-sign elements and plan production for the widening of an existing 2-lane roadway to a 4-lane divided median roadway with multiple roundabouts and J-turn intersections. Conducted reviews of H&V alignments, roadway, roundabout, J-turn and R-cut geometrics, drainage design and all plan submittals.
08/24-Ongoing	**LA 44: Pelican Point Roundabout and Widen, Ascension Parish, S.P. H.015568, LA (DOTD).** Engineer of Record. Responsible for the design effort and plan preparation of a multi-lane roundabout at the intersection of LA 44 and Pelican Point Parkway in Gonzales, LA. Project also includes **1-mile of roadway widening design from a 2-lane to a 4-lane roadway** with a divided median including multiple J-turn intersections and bridge widening or reconstruction design. Responsible for all horizontal/ vertical alignments, roundabout/j-turn geometrics, superelevation design and calculations, bridge TS&L and public meeting exhibits.
03/18-11/22	**LA 3127 Extension (LA 70 to LA 1), ENG-17-013, Ascension Parish, LA (Ascension Parish Government).** Lead Road Design Engineer. Lead roadway design efforts for new, greenfield 4-lane divided roadway project, assisted with preparation of Stage 0 feasibility study for entire corridor (8 miles of 4-lane divided roadway), served as a the lead roadway design engineer for Phase I portion of project, responsible for geometrics, intersection design, oversaw drainage design, performed alignment study, line and grade, oversaw Preliminary Plans preparation and cost estimates for approximately 3.5 mile section of new 4-lane divided roadway. [Prior to Crescent]
09/18-01/23	**S.P. H.001344, US 190: LA 437-US 190 BUS (Ph. 1), St. Tammany Parish, LA (DOTD).** Project Manager/Engineer of Record. Engineer of Record responsible for the **widening of a 0.9 mile stretch along US 190 from LA 437 to US 190 (Bus.)** in Covington, LA. Oversaw plan preparation and the design of project elements such as H&V alignments, superelevation design, roadway geometrics, existing and design drainage maps, striping/signing, typical sections, curb details, graphical grades, concrete joint layouts and inroads modeling of a **5-lane, raised, divided median urban arterial roadway** in Covington, LA. Provided quality control of bridge plans, project pay items, quantity take- offs and cost estimate. Also responsible for the development of a utility conflict matrices and Level 4 TMP Document including the analysis and justification for the temporary closure of LA 21 at the bridge crossing at US 190. Also provided Construction Support in the form of reviewing and responding to RFI's, contractor submittals and shop drawings. [Prior to Crescent]

04/16-01/23	**S.P. H.013116, LA 20 Widening (LA 307 to S. Vacherie), St. James & Lafourche Parishes (DOTD).** Lead Road Design Engineer. Responsible all roadway design and plan production activities for the safety widening of LA 20 near Vacherie, LA. Led the design of roadway elements including H&V alignments, drainage design, construction phasing, superelevation design, guardrail design, striping/signing and inroads modeling. Also performed quantity calculations and construction cost estimates and assisted in preparation of environ-mental drawings to obtain environmental clearance. [Prior to Crescent]
09/16-10/22	**S.P. H.011152, I-12 Widening (US 190 to LA 59), St. Tammany Parish, LA (DOTD).** Lead Road Design Engineer. Led roadway design including H&V geometrics, drainage design, mainline and interchange construction phasing, embankment widening, guardrail, striping/signing and inroads modeling and assisted with the preparation of a Level 4 TMP. Also responsible for oversight of all plan production activities, performed quantity calculations and construction cost estimating, and assisted with construction support in the form of reviewing RFI's and contractor shop drawing for the 4-mile widening of I-12 near Covington, LA. **Design completed under an accelerated project schedule**. [Prior to Crescent]
09/16-10/22	**S.P. H.004113, I-12 to Bush: LA 3241 (LA 435 to LA 40/41), St. Tammany Parish, LA (DOTD).** Project Engineer/EOR. Led roadway design including hydraulics, drainage, roadway H&V geometrics, superelevation, intersection design, R-CUT and J-turn intersections, roundabout layouts, assisted with Level 3 Traffic Management Plans and led oversight of roadway plan production for **5.5-mile, four-lane rural roadway** from LA 435 to Bush. Also provided Construction Support in the form of reviewing and responding to RFI's, contractor submittals and shop drawings. [Prior to Crescent]
02/20-01/23	**S.P. H.012812, US 190 Roundabouts @ Northshore, Camp Villere, St. Tammany Parish, LA (DOTD).** Project Manager/ Supervising Engineer. Led all design and plan preparation activities of a multi-lane roundabout at the intersection of US 190 and Northshore Blvd. and a single lane roundabout at the intersection of US 190 and Camp Villere Rd. in Slidell, LA. Provided quality control and design oversight of all project elements including H&V alignments, drainage design, striping/signing, construction phasing, roundabout geometrics, autoturn movements, graphical grades, concrete joint layouts, typical sections, inroads modeling, quantity calculations and required right-of-way impacts. Provided environmental support with preparation of project exhibits to be utilized for Public Meetings. [Prior to Crescent]
09/18-08/20	**MA-17-01, Roddy Road Widening (LA 935 to LA 621), Ascension Parish, LA.** (Ascension Parish). Project Manager. Supervising Engineer for the reconstruction of a 2-lane, Urban Collector in Gonzales, LA. Responsible for the oversight of all roadway and bridge design elements including H&V alignments, urban drainage design, Typical Sections, Intersection Design, and Striping and Signing among others. Responsible for oversight of all Cost Estimate and Design Report Forms and provided bidding assistance and construction support for a separate Clearing and Grubbing Package that was let by Ascension Parish prior to completion of the roadway plans. [Prior to Crescent]
06/11-12/17	**07-EXT-22, Bayou Gardens Blvd. Extension (LA 660 to LA 316), Terrebonne Parish, LA.** (Terrebonne Parish). Project Engineer. Led and assisted with all roadway and bridge design elements including H&V alignments, superelevation design, concrete joint layouts, curb details, graphical grades, corridor modeling, guardrail calculations, quantity take-offs, roadside and channel hydraulics, utility relocation and coordination. Also assisted with Construction Support in the form of reviewing Contractor submittals including asphalt and concrete mix designs for the **1.6 mile, 4-lane Urban roadway extension including signals and turn lanes on LA 660 and LA 316.** [Prior to Crescent]
02/23-Ongoing	**EN22-0181, Rousseau Rd. over Tchefuncte River, St. Tammany Parish, LA (St. Tammany Parish).** EOR. Responsible for all roadway design elements including H&V geometrics, roadside and channel hydraulics, roadway/bridge construction phasing, superelevation design, pavement design, inroads modeling, quantity calculations and cost estimating for the replacement of the existing 4-span bridge near Covington, LA.

Firm	AECOM TECHNICAL SERVICES, INC.		
Victor De la Garza, PE Traffic & ITS Specialist		Years of Relevant Experience with this Employer	5
		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/09.30.25		
Year Registered	2023	Discipline	Electrical and Computer Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Cost Estimates/ITS **Brief Description:** Victor has prepared TSMO Program Plans and ITS Master Plans in Texas for five districts; Maturity Model Workshops; prepared ITS Implementation Plans; designed a wide range of ITS devices; and managed TMC operations. His work include development of Cost Estimates such as in the ITS Master Plan included order of magnitude construction cost estimates and a more detail cost estimate in the development of Plan sheets, Specifications and Estimates.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
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. ITS Master Plan included order of magnitude construction cost estimates.

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. Each segment included quantity take of that later on translated into construction cost estimates.
04/20-12/20	**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. This derived in a set of Plan sheets, Specification and Estimate.
04/20-02/21	**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. This derived in a set of Plan sheets, Specification and Estimate.

Firm	AECOM TECHNICAL SERVICES, INC.		
Toni Horst, PhD Vice President, Senior Consulting Manager		Years of Relevant Experience with this Employer	24
		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	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Grant Program Review/Funding **Brief Description:** Toni is a Senior Consulting Manager who leads AECOM's National Infrastructure Economics Practice with over 30 years of experience. Her work focuses on the application of quantitative information to support transportation decision making. She has supported clients in developing funding strategies and in the technical analysis and development of numerous grant applications and implementation strategies. Over her career, she has completed over 150 benefit cost assessments to date. Her team has supported clients in securing over $4.6 in grant funding. Representative engagements are shown below.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2023	**Port of New Orleans, MEGA and INFRA Grant Funding for the Louisiana International Terminal, New Orleans, LA.** Led the team for a full turnkey grant application for a new port in Violet, LA. Wrote the narrative and supported the benefit cost analysis. The Project was awarded a $226 million INFRA Grant in addition to a $73.77 million MEGA Grant, totaling $300 million in federal grant dollars to support the first construction phase of the $1.8 billion container terminal.
2023	**Humbolt Port District INFRA Grant, Humboldt, CA.** Led the team for a full turnkey grant application for a new port in Northern California. The Humboldt Bay Offshore Wind Heavy Lift Marine Terminal Project was selected for $426 million in INFRA funding.
2022-Ongoing	**State of West Virginia, Grant Support Technical Services. Charleston, WV.** Ongoing since 2022. Grant strategy lead and technical advisor for development of grant applications including assessment of competitiveness and strategies for strengthening them. Also, support application writing. AECOM is supporting both the state and local stakeholders in the development of grant applications across multiple grant programs and project types. Work has entailed working with stakeholders to understand competitive issues with target grant programs and how to best position projects. Work began in 2022 with the Transportation Department and expanded statewide in 2023. The work has supported applications in four rounds of grant applications to date. WV applications were selected in all rounds including three of four submitted in the latest round of RAISE. ▶ Safe Streets for All Planning Grant—Bluefield, WV ▶ Reconnecting Communities Planning Grant—Bluefield, WV ▶ Eastern Panhandle Rural Multimodal Transit Center--Capital ▶ WV-14 Improvements in Parkersburg, WV—Capital ▶ Potomac Highlands Hydrogen Fuel Initiative—Capital

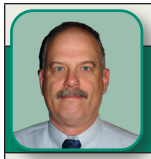
2022	**Benefit-Cost Analyses Evaluation for Transportation Projects, Federal Highway Administration, Falls Church, VA.** Instructor. Instructed pilot course at the National Highway Institute that taught participants (USDOT reviewers) how to evaluate the benefit-cost analyses of applications submitted to USDOT discretionary grant programs.
2022	**City of Greeley, Gold Hill Pipeline BRIC, Greeley, CO.** Led team to screen the City's water projects against possible funding programs. Wrote the application narrative, developed the supporting materials such as the benefit cost analysis, and coordinated the overall application team. Application was selected for award in the first round that it was submitted—receiving $13.82 million. This was the first BRIC for Colorado in the national discretionary grant competition.
2022	**Bridging I-696: Connecting Oak Park, Michigan Department of Transportation, Oak Park, MI.** The project was awarded $22 million through the Reconnecting Communities Program. reconstruct a deck/plaza over Interstate 696 in suburban Detroit at a point which bisects the Orthodox Jewish community of Oak Park into two halves. Currently, I-696 is trenched in Oak Park and has three large bridge decks to reconnect the community, one of which is failing and will be obsolete by 2025. Wrote the application narrative, developed the supporting materials such as the benefit cost analysis, and coordinated the overall application team.
2022	**City of Provo, Provo Water Treatment Center and Aquifer Storage Recovery Building Resilient Infrastructure and Communities (BRIC) Grant.** Technical advisor to the team that wrote the grant narrative and supported the benefit cost analysis for the City of Provo's subapplication for a FEMA BRIC grant. The project would construct a new water treatment facility in Provo, UT to draw water from the Provo River and convey it to the region's severely depleted aquifers. Replenishing the aquifers would support the City's growing population and protect from droughts, wildfires, and ensure a reliable water supply. FEMA selected the project for a $51 million award.
2022	**Buffalo & Pittsburgh Railroad: Rebuilding Western Pennsylvania Project.** Western Pennsylvania, Pennsylvania Department of Transportation and G&W. Led application team and wrote the CRISI narrative for a project to improve state of good repair and make safety improvements to the track. Application was awarded $11 million.
2022	**Washington State Rural Rail Rehabilitation Phase II Project.** Eastern Washington, Washington State Department of Transportation. Led grants team and wrote CRISI application narrative for a project to return the state-owned shortlines to a state of good repair. Application was awarded $73 million.
2022	**Shelby County Road 52 Railroad Crossing Elimination Project.** City of Pelham, Alabama, RCE Grant Application. Wrote the application narrative and served as technical advisor to the grants team developing the application. Application was awarded over $41 million, the largest award in FY22 RCE round.
2022	**Crowley Wind Services, Salem Wind Terminal, City of Salem, MA**. Wrote application narrative for successful PIDG application. Also wrote application for second phase, under review.

Firm	AECOM TECHNICAL SERVICES, INC.		
Anne Watkins Economist		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	0

Degree(s)/Years/Specialization	MBA/2012/Loyola University New Orleans; BBA/2009/Economics & Finance, Loyola University New Orleans		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Grant Program Review/Funding **Brief Description:** Anne is an economist with experience evaluating surface transportation, navigation, flood risk management, and other infrastructure projects. She holds a Bachelor of Business Administration in Economics and Finance and a Master of Business Administration from Loyola University New Orleans. Anne has prepared the benefit-cost analysis for numerous winning grant applications, helping to secure over $1.2 billion in federal funding for her clients. Anne has experience using spreadsheet, database, and statistical software to analyze and understand large data sets and prepare long term forecasts. She has completed multiple economic impact analyses using IMPLAN software. She has experience creating and testing models for the U.S. Army Corps of Engineers and is familiar with the economic models used by several government agencies, including FEMA's BCA Toolkit, USDOT's BCA.Net, and the USACE's HarborSym Model. She is skilled in writing clear, concise reports, decision documents, and grant applications to explain complicated concepts and has experience interviewing a variety of project stakeholders, from private company executives to government officials.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
05/23-09/23	**Louisiana International Terminal USDOT Grant, Port of New Orleans, LA.** Developed a BCA for a winning USDOT grant application for a new greenfield container terminal on the Lower Mississippi River. Benefits were based on reducing inland transportation costs for container imports and exports through the Gulf of Mexico. The Project was awarded $300 million from USDOT.
04/20-08/21	**Louisiana Watershed Initiative, Office of Community Development, LA.** Reviewed benefit-cost analyses submitted to the State of Louisiana as part of the LWI Round 1 grant funding. Prepared an Economic and Policy Report for OCD that reviewed common non-structural flood reduction measures, summarized benefit-cost data for those measures, and made policy recommendations.
10/22-Ongoing	**Benefit Cost Analysis Guidance Document, Texas Water Development Board, TX.** Preparing a comprehensive document regarding benefit-cost analysis procedures for flood risk management project for the Texas Water Development Board to provide to local applicants who are preparing BCAs for the Texas statewide flood planning process. Benefits include commonly accepted categories such as structure damage avoidance as well as less commonly applied benefits such as mortality and morbidity reductions related to low water crossings and flood-borne diseases. The document also addresses equity weighting to incorporate social vulnerability concerns.

06/22-Ongoing	**Rhode Island Economic Impact Analyses, Quonset Development Corporation, RI.** Investigating the economic impact of several new industrial developments within Rhode Island. Using IMPLAN to estimate the direct, indirect, and induced impacts of both construction and ongoing operations, including number of jobs, household earnings, impacts to Rhode Island GDP, and tax revenue.
05/23-09/23	**Humboldt Bay Offshore Wind Port INFRA Grant, Crowley, CA.** Contributed to the BCA of a winning USDOT grant application for the retrofit of Humboldt Port to accommodate offshore wind turbine assembly and maintenance. Benefits were based on decreased transportation costs to the offshore wind areas and increased reliability of the power grid. The Project was awarded $426.7 million.
05/23-09/23	**Eastern Pittsburgh Multimodal Corridor MEGA Grant, Southwestern Pennsylvania Commission, PA.** Developed a BCA for a winning USDOT grant application. The Project includes 8 individual actions, each of which had an independent BCA, that will make significant safety and time savings improvements for the 100,000 daily travelers on the I-376 "Parkway East" corridor and the MLK Jr Busway. The Project was awarded $142.3 million.
12/22-01/23	**Jefferson Chalmers Implementation BRIC Grant, City of Detroit Water and Sewerage Department, MI.** Developed the BCA for a winning BRIC Grant for new sewer mains in the Jefferson Chalmers neighborhood of Detroit. The Project will upgrade sewer mains in the combined sewer-outflow system to protect 620 properties from flooding in the 10-year, 1-hour storm event. The Project was awarded $11.3 million from FEMA.
02/22-05/22	**Newport Pell Bridge: Multimodal Climate Resiliency and Safety Project Grant Application, Rhode Island Turnpike and Bridge Authority, RI.** Developed a BCA for the USDOT MPDG grant application; the Project will complete a partial depth deck replacement, install a main cable dehumidification system, and replace cable suspenders for an iconic suspension bridge over the Narragansett Bay. Benefits were based on reduced travel delays and detours and cost-savings of this innovative repair method compared to full cable replacement. The Project was awarded an $82.5 million INFRA grant.
03/22-05/22	**Next Generation Zero-Emission Bus Operations, Maintenance, and Administration Facility, Yuba Sutter Transit Authority RAISE Application, CA.** Developed a BCA for a new transit facility and electric buses for submission to the USDOT RAISE program. Key benefits included reduced deadhead hours, reduced fuel costs, increased mobility and community connectivity, emissions savings, and maintenance cost savings. The Project was awarded $15 million.
03/21	**Brightline Tampa to Orlando High Speed Intercity Passenger Rail Project CRISI Grant BCA, Brightline, Orlando, Fl.** Prepared the benefit-cost analysis for a winning CRISI grant application to the Federal Railroad Administration to fund engineering and design for an expansion of the Brightline high speed rail system from Orlando to Tampa, Florida. The Project was awarded $15.9 million.
09/21-10/21	**US50/MD665 Funding Strategies, Anne Arundel County Office of Transportation, MD.** Developed a funding scan for a highway improvement project, including federal, state, and local potential funding sources.
05/20-06/20	**Linking Lima CRISI Grant Application, Ohio Rail Development Commission, Lima, OH.** Prepared the benefit-cost analysis for a winning CRISI grant application to the Federal Railroad Administration to fund rail line rehabilitation and repairs on the Chicago, Ft. Wayne, and Eastern Railroad. The Project includes new ballast and ties, turnout replacement and rehabilitation, yard track reconstruction, and the conversion from jointed rail to continuous welded rail; the Project was awarded $4.5 million.



Firm	AECOM TECHNICAL SERVICES, INC.		
Joe Berlin Senior Economist		Years of Relevant Experience with this Employer	116
		Years of Relevant Experience with Other Employer(s)	30

Degree(s)/Years/Specialization	MA/1993/Economics; BS/1979/Accounting		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Grant Program Review/Funding **Brief Description:** Joe is a Principal Economist specializing in cost- benefit analyses of environmental restoration projects, water projects, and transportation projects. He has developed models for estimating the benefits of harbor improvement projects and has experience with the economic models used for estimating the benefits of water projects, transportation projects, and environmental restoration projects. He has experience in writing policies, procedures, research and white papers and/or other public presentations for technical and/or public audiences. He has managed the preparation of many successful grant applications. Mr. Berlin holds an M.A. in Economics from the University of New Mexico and a B.S. in Business Administration from Louisiana State University.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
03/19-06/19	**Port of South Louisiana, Grant Application Port Infrastructure Development Program Grant Application, Reserve, LA.** Prepared the successful $13 million grant application to the U.S. Maritime Administration for improvements to the Port of South Louisiana's Globalplex Facility in Reserve, La. The grant application was based upon improving the efficiency of intermodal cargo transfers between truck, rail and ship.
02/24-05/24	**Barton Springs Bridge, DOT Grant Application, Austin, TX.** Managed the application preparation and prepared the BCA for the successful $32 million grant application to replace the 99-year-old-bridge across Barton Creek adjacent to Zilker Metropolitan Park. The replacement will create additional space for safe multimodal pathways for bicyclists and pedestrians, resolve lane misalignment within the adjacent transportation network, and alleviate structural deterioration that is impacting the bridge's ability to handle current and future traffic volume. The estimated benefits from improving safety and avoiding the diversions of truck and bus traffic were important for the benefit cost ratio.
06/23-10/23	**South Jersey Port Corporation, PIDP Grant Application, Camden, NJ.** Prepared the Benefit Cost Analysis and Appendix for the successful $21 million PIDP grant application to improve berth infrastructure in Paulsboro, NJ, as part of the Port's development program. The port improvements will provide for more efficient transportation and assembly of offshore wind turbines.
06/22-10/22	**Point-No Point Rail Bridge, DOT Grant Application, Conrail, Kearny, NJ.** Prepared the benefit cost analysis for the successful $60 million grant application to replace the Point-No Point Rail Bridge over the Passaic River. The 120-year-old bridge is on a primary freight corridor to the Port of New York and New Jersey and its replacement will improve both freight and passenger rail service.

12/16-12/19	**Greater Lafourche Port Commission Section 203 Channel Deepening Feasibility Study.** Estimated the National Economic Development (NED) benefits of deepening channels within Port Fourchon. NED benefits are based upon supplying offshore petroleum exploration rigs, maintaining the rigs at new facilities within Port Fourchon, and exporting Liquified Natural Gas (LNG). The Feasibility Study was approved by the Assistant Secretary of the Army.
06/16-06/18	**Port of South Louisiana, Container Feasibility Study, LaPlace, LA.** Managed a feasibility study for a new multi-purpose dock. The dock is a long term goal of the Port of South Louisiana to foster economic development by facilitating new industries within the POSL jurisdiction and will have container loading capability. The feasibility study evaluated the potential to ship containers by barge throughout the inland navigation system from the Port's ideal location for transferring containers between ships and barges. The Study also evaluated rail connectivity and the cost of shipping containers by rail.
04/19-06/19	**Mississippi Department of Transportation, Infrastructure for Rebuilding (INFRA) Discretionary Grant Benefit-Cost Analysis for MS-76 in Itawamba County, MS.** Managed the benefit cost analysis for highway improvements on MS-76. The successful grant application provided for completing a new stretch of highway and improving existing intersections to increase economic competitiveness and increase safety. MS-76 will support freight movements between automotive manufacturing facilities in Huntsville, AL and Blue Springs, MS
06/18-08/18	**Mississippi Department of Transportation, Preparation of Better Utilizing Investment to Leverage Development (BUILD) Discretionary Grant Benefit-Cost Analysis for MS-19 in Neshoba County, MA.** Prepared the benefit cost analysis for highway improvements on MS-19 using the Federal Highway Administration BCA.net Model. The successful grant application provided for widening MS-19 to four lanes to increase economic competitiveness and increase safety. MS-19 serves a major lumber mill in rural Mississippi.
06/16-08/16	**Mississippi Department of Transportation, Preparation of Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Benefit-Cost Analysis for US-49 in Harrison County.** Prepared the benefit cost analysis for highway improvements on US-49 using the Federal Highway Administration BCA.net Model.
02/13-05/13	**Mississippi Department of Transportation, Preparation of Transportation Investment Generating Economic Recovery (TIGER) Discretionary Grant Benefit-Cost Analysis for the I-20 at Vicksburg Bridge over the Mississippi River, Ridgeland, MS.** Prepared the benefit cost analysis for a proposed project to increase the reliability of a Mississippi River bridge. The analysis was based upon transportation benefits, safety benefits, and environmental benefits.

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)	6
Degree(s)/Years/Specialization	BS/2002/Forestry/Ecosystem Management		
Active Registration Number/State/ Expiration Date	ACOE Wetland Delineation and Management; (Reg. IV) Training Certified		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Aerial Photography **Brief Description:** Jonathan will provide wetlands and threatened and endangered species services for this project. He has nearly twenty years' experience, all in New Orleans, developing NEPA analyses and permit applications for DOTD projects.		

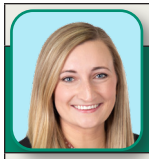
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/10-05/14	**Stage 0 Feasibility Study and Report, US 61/Tulane Avenue Carrollton Avenue to Claiborne Avenue, New Orleans, LA.** Environmental planner for 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 in Orleans Parish, New Orleans, Louisiana. The project will implement corridor improvements that will enhance quality of life, livability, and sustainability in the corridor and will support future transportation demand and adjacent land use including pedestrian, bike, and transit system operations. The now completed corridor improvements consist of amenities associated with a complete streets concept. **(Also worked on other Stage 0, same responsibilities)**
10/06–12/07	**I-210 Stage 0 Corridor Study Route I-210, DOTD, Lake Charles, LA. (701-65-0710 & 701-65-0899)** AECOM conducted a comprehensive traffic and transportation study for the Interstate 210 (1- 210) Corridor in Lake Charles to quantify deteriorating traffic operational conditions and to define transportation strategies that would contribute to long term mobility and the economic viability of the area. The 12-mile corridor spans between Interstate 10 (1-10) at Exit 34, to 1-10 west of the Calcasieu River and includes nine interchanges. The objective of the study was to identify and evaluate existing transportation resources and opportunities; to identify current and future transportation capacity and operational deficiencies; and to identify operational and geometric improvements for the 1-210 Corridor.
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge / Parish of East Baton Rouge, Baton Rouge, LA.** Project Planner for the Design Study, Traffic Study, and Preliminary Plans for the completion of roadway improvement on College Drive and its vicinity between Perkins Road and Bawell Street inclusive of the interchange with I–10. The Design Study will include development of numerous concepts to enhance operational capacity and efficiency along the corridor while including Complete Streets and green infrastructure improvements. Preliminary alternatives were developed and documented using DOTD Stage 0 Project and Scope and Environmental Checklists in order to apply for state and federal funding grant applications to expand funding for the project beyond the allocation of the parish MOVEBR bond funds. Completed the Stage 0 checklists.

09/15-04/17	**Multimodal Transportation and Traffic & Safety Analysis, and Transportation Plan (NODTA), City of New Orleans Department of Public Works, New Orleans, LA.** Planner for multimodal transportation analysis and plan for the New Orleans Downtown and historic French Quarter neighborhood. Dozens on bicycle, pedestrian and vehicular alternatives were developed and evaluated and selected improvements were programmed, based on the integrated modal-access analysis, including pedestrian LOS modeling around transit stops. Extensive curb-use revisions, car-free zones, and other innovations were developed for the Quarter and CBD.
07/15–Ongoing	**DOTD State Project No. H.004273.5, I–49 Connector Supplemental EIS, Lafayette, LA.** Project planner for the SEIS conducted for 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 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 substantial enough to warrant a Supplemental Environmental Impact Statement (SEIS). Mr. Martinez' role is to write the natural environmental sections of the SEIS and assist with review of Phase I ESA and the Section 106 Consultation process. To date, he has performed the wetland delineation and preparation of the Section 404 permit and worked with other staff in the development of the project.
01/03-04/12	**DOTD State Project No. H.006447.2 I–69 SIU, EIS, Claiborne and Webster Parishes, LA.** Columbia and Union Counties, AR. Field biologist for the Environmental Impact Statement for the proposed I–69 project. Responsible for fieldwork to determine the presence of threatened and endangered species in the area, as well as wetland delineations and the study of a suitable crossing of the Bayou Dorcheat scenic stream. The Interstate 69 Corridor's section of independent utility number 14 spans between Shreveport, Louisiana and El Dorado, Arkansas through a rural timber and poultry farming area.
09/11-02/12	**DOTD State Project No. H.004580.5 Re–evaluation of EA and FONSI US 190 in Mandeville from LA 22 to Lonesome Road.** Environmental planner and biologist for the proposed reconstruction of US 190 extending from LA 22 to Lonesome Road, including the construction of two new bridge structures over Bayou Chinchuba. This project re–evaluates the original EA and FONSI completed in 1999 and revised in 2006. Responsible for applying for a new 404 Wetland Permit and Coastal Use Permit and a Threatened and Endangered Species survey and clearance for the project 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.
11/10-10/13	**DOTD State Project No. H.004932: Environmental Assessment, US 90 at LA 318, St. Mary Parish, LA.** Environmental planner for an EA associated with a new interchange at US 90 and LA 318 in St. Mary Parish. The project is 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 Interstate 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	**DOTD State Project No. H.004932: Supplemental Environmental Assessment, US 90 at LA 318, St. Mary Parish, LA.** Completed the Supplemental EA (SEA) as part of the Design–Build process for the project that included review and revision of the previous EA. Obtained a FONSI on a very aggressive schedule set by the DB contractor, FHWA and DOTD.

Firm	AECOM TECHNICAL SERVICES, INC.		
Blake Vutera, PE Senior Geotechnical Engineer		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	15
Degree(s)/Years/Specialization	MS/2018/Geotechnical Engineering; BS/2018/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.38607/LA/09.30.26 Additional PE in TX		
Year Registered	2013	Discipline	Environmental Data & Analysis
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Geotechnical **Brief Description:** Blake is a senior geotechnical engineer in the US West Water Business Unit from the New Orleans office with over 12 years of professional experience specializing in the design, analysis, and construction of geotechnical, coastal, and hydraulic structures. His engineering career has benefited from working at large and small design and consulting firms, allowing him to experience a wide range of geotechnical project types within the Gulf Coast region. Outside the office, **Blake has maintained an active commitment to community outreach as the SAME New Orleans Post, STEM Committee Chair.**		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
01/23-Ongoing	**US Army Corps of Engineers, TJ O'Brien Lock Rehabilitation, Chicago District, Chicago, IL.** Senior Geotechnical engineer performed geotechnical analyses for the existing cellular cofferdams lock wall and upstream and downstream anchored guide walls, totaling approximately 0.5 miles, where corrosion required rehabilitation to extend service lifecycle. Alternatives analyses reviews consisting of grouted cells, light weight fill, solder piles, and micro piles for wall rehabilitation. Analysis followed TVA and EM guidelines for cofferdams and walls and analysis perform using spreadsheet, CWALSHT, and DeepEX software. Geotechnical engineer at a value-based design charrette with USACE representatives to optimize the proposed design alternatives.
10/23-08/24	**PRA Mid-Barataria Sediment Diversion Impact to Property Mitigation project – Plaquemines Parish, LA**. Lead geotechnical engineer for coastal communities impacted by the operations of MBSD IPMP. Lead geotechnical field exploration and laboratory testing programs for seven projects site. Reviewed and performed required geotechnical analyses for bulkhead sheet pile walls, roadway raises, pavement reconstruction, deep foundations, and slope stability and supporting preliminary design document production. AECOM provided design services on future infrastructure improvements to mitigate the impacts to several coastal communities near the proposed river water and sediment diversion project between the Mississippi River and Barataria Bay.
01/23-07/23	**TxDOT - Dallas District, I-635 LBJ East Design-Build Project - Design Services During Construction, Dallas, TX.** Senior geotechnical engineer contributed to the I-635 reconstruction and widening project spanning approximately 11 miles from US 75 to I-30, encompassing the I-30 Interchange. Geotechnical engineer supporting the project management team with engineering during construction (EDC) activities consisting of MSE wall stability and slope stability analyses per TXDOT request to confirm design with update soil design parameters.

01/23-Ongoing	**Coastal Protection and Restoration Authority of Louisiana, Maurepas Swamp Final Design 2020-2023 - Plans & Specifications, New Orleans, LA.** Senior geotechnical engineer leading Reach 1 and Reach 6 designs and reviewing geotechnical analyses and reporting by AECOM sub-contractor consultant under a multi-year task order contract to prepare plans and specifications for the river re-introduction into Maurepas Swamp for the west shore of Lake Pontchartrain in New Orleans, Louisiana.
03/19-04/20	**St. Charles and Lafourche Parish Governments, Upper Barataria Risk Reduction Project, Des Allemands, LA.** Geotechnical engineer reviewed previous explorations done at the site as well as performed a geotechnical exploration which included drilling soil borings and CPTs on land and over water, laboratory testing (strength, classification, and consolidation), and geotechnical engineering analyses (pile capacities, pile deflections, slope stability, wall stability, settlement, strength gain, construction methods) to support the construction of approximately 15 miles of levee modification, new levee, flood walls, and gate structures. Additional analyses were performed in 2022 due to increased hydraulic design elevations for levees, braced sheet pile walls, and barge gate structures. [Prior to AECOM]
01/15-01/17	**South Lafourche Levee District, South Lafourche Levee District – Reach K Levee Design, Cutoff, LA.** Geotechnical engineer reviewed previous explorations, including soil borings and CPT probes done at the site as well as performed a geotechnical investigation which included drilling soil borings on land and over water, laboratory testing (strength, classification, and consolidation) and geotechnical engineering analyses (slope stability, settlement, strength gain, construction methods) as part of the construction of 6.5 miles of levee modification and new levee. [Prior to AECOM]
05/08-05/11	**US Army Corps of Engineers, Levee System Design and Analysis for USACE New Orleans Districts,, New Orleans, LA.** Geotechnical engineer contributed to the design and analysis of multiple levee systems in New Orleans by performing levee and T-wall settlement analyses using the CSETT program, stability analysis using Slope/W and Method of Planes, and sheet pile wall analysis using CWALSHT. Analyzed seepage, including profile and plan view analysis, using SEEP/W and DIVIR methods. Performed pile foundation analyses using DRIVEN, LPILE, and GROUP. Also ensured that boring logs and laboratory testing quality assurance and quality control were performed, pile load testing underwent quality control procedures, and assisted project management with producing the final report. [Prior to AECOM]
07/10-07/11	**City of Dallas, Trinity Rivers Levee Design, Dallas Floodway System, Dallas, TX.** Senior geotechnical engineer managed the field exploration quality control program for soil borings, rock coring, and in-situ testing (e.g., Texas penetration test, piezometer wells). Also reviewed geological profiles, and performed relevant geotechnical analyses, including slope stability, and seepage for the 500-year design storm. [Prior to AECOM]

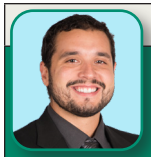


Firm	VECTURA CONSULTING SERVICES, LLC		
Kristen Farrington, PE, PTOE, RSP1 Engineer		Years of Relevant Experience with this Employer	3
		Years of Relevant Experience with Other Employer(s)	7

Degree(s)/Years/Specialization	BS/2014/Civil Engineering		
Active Registration Number/State/ Expiration Date	PE.0046814/LA/09.30.26 PTOE #4863/Exp. 03/31/27 RSP1/916/Exp.07.17.25 DOTD Traffic Process and Report Parts 1, 2 and 3 (2018) ATSSA Certified Flagger/LA/A1000126216/05.08.27		
Year Registered	2018	Discipline	Civil
Contract Role(s)/Brief Description of Responsibilities	**Contract Role:** Safety Analysis/Traffic & Crash Data **Brief Description:** Kristen will focus her attention on pulling safety data from the DOTD database and developing Appendix C along with Brin in the development of the Stage 0.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
12/23-Onoing	**South Range Road Operations Study Stage 0 Feasibility Study, H.972501.1 (Tangipahoa Parish, LA).** Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.
05/23-05/24	**Stage 0 Feasibility Study-US 190/Fremaux Ave. Sidewalk Feasibility Study, US 190B, (Slidell, LA).** As a subconsultant to Richard C. Lambert Consultants, LLC, Vectura led a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.
04/22-11/23	**H.013267 Capital Area Pathways Project (Baton Rouge, LA).** Kristen is the lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and DOTD on the construction plan development as PHB's are a new traffic control device for DOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, DOTD and MUTCD guidance.
09/17-09/18	**H.011160 LA 73 Corridor Study Stage 0 (LA 74 to LA 621) (Ascension Parish).** Kristen was the designer responsible for concept development, report writing, and impact analysis for a **Stage 0** study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.

04/18-04/19	**H.011243.1 I-49 at US 190 and LA 31 Interchange Improvements Stage 0 (St. Landry Parish).** Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this **Stage 0** Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the DOTD CAT Scan tool and IHSDM, and line and grade was prepared to DOTD Design Standards for various corridors, including arterial collectors and freeway ramps.
04/19-6/21	**H.013817.1 A 117 Improvements Stage 0 (Vernon and Natchitoches Parishes).** Kristen served as project engineer responsible for a **Stage 0** study for 18 miles of two-lane highway. The study evaluated the impacts of correcting deficient vertical and horizontal geometry along the corridor, widening for the addition of shoulders, and adding passing lanes and turn lanes at strategic locations along the corridor. Kristen was responsible for performing the safety analysis including crash rate number method, over-representation, CAT Scan quality assurance, HSM existing safety analysis, and No-Build Analysis. Kristen designed high-level concept exhibits, evaluated environmental impacts, and prepared high level cost estimates and comparison matrices to determine which preliminary alternatives best meet the purpose and need of the project.
03/19-11/19	**H.012311 LA 429 Connector Stage 0 (Ascension Parish, LA.** 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 - 03/21	**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.
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 Rodrique, 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.004207/LA/03.31.26 PTOE #4508/07.17.25 RSP1/1013/Exp. 03.20.26 DOTD Traffic Process and Report Parts 1, 2 and 3 (2018)		
Year Registered	2017	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Traffic Modeling **Brief Description:** Reece will be the lead analyst for Synchro and assist Laurence with the development of Appendices D & E.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/21-Ongoing	**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 projected included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.
06/23-Ongoing	**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-Ongoing	**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-Ongoing	**H.007160-EBR Computerized Traffic Signal, Phase V, 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-Ongoing	**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. R**eece 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.

Firm	AECOM TECHNICAL SERVICES, INC.		
Audra Rodgers Vice President, Structural Director		Years of Relevant Experience with this Employer	12
		Years of Relevant Experience with Other Employer(s)	8

Degree(s)/Years/Specialization	MS/2003/Civil Engineering; BS/2002/Civil Engineering		
Active Registration Number/State/ Expiration Date	30461/MS/2019, E-12245/NE/2007		
Year Registered	2007	Discipline	Civil Engineer
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Railroad Coordination **Brief Description:** Audra has 20 years of experience in the structural and bridge industry as both a Project Engineer and Project Manager on numerous projects. Audra has experience in precast concrete fabrication, construction observation, structural assessment and inspection, platform design, railroad and highway bridge design. She has performed public project reviews of grade separation projects for CP, BNSF and UPRR for over 18 years.		

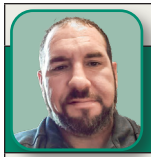
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
2014-Ongoing	**West Dallas Gateway Project, West Dallas, TX.** Lead Project Engineer and Railroad Coordinator in charge of the design of three railroad underpass grade separation bridges. The grade separations will allow for Bataan Street, Amonette Street, and Herbert Street to pass under the existing UPRR tracks, which currently separate the two areas of the City. The initial phase involved evaluating the grade separations for overpass and underpass options. Rail over road was decided due to geometry constraints. The bridges will be built in phases, with the north half of the bridge being built first while the tracks are shifted onto shoofly tracks to the south and the south half of the bridge built when the tracks are shifted onto the new north bridge. This minimizes the time that the UPRR tracks are out of service on a busy section of track.
2015-2021	**Vine/Lemay at BNSF RR Transportation Study and Final Design, Ft. Collins, CO.** Railroad Coordinator and design reviewer for a project that addressed safety and capacity through construction of a new bridge over Vine and the BNSF Railroad tracks in northeast Ft. Collins, Colorado. AECOM provided planning and design services to evaluate alternatives, environmental evaluation and permits, and advanced the project through final design and construction. AECOM engaged the public at each step. Beginning in 2015, AECOM worked with the City to bring this conceptual dream to a reality. The project opened to traffic in December 2021. 3D visualizations were developed to show the CSS integration of the overpass with future land use build-out in the broader vicinity. AECOM's national economics practice provided expertise to develop TIGER grant applications for this project.
2019	**Bagley Avenue Overpass Rehabilitation, CP Public Project-Inspector/Coordinator, Detroit, MI.** Audra was Project Manager for the inspector/coordinator services for repairs on the underside of a highway bridge over Canadian Pacific tracks. Audra coordinated and reviewed the construction submittals, daily logs, and communication with inspector/coordinators on-site for the project.

2015-Ongoing	**Springfield Rail Improvement Project, Springfield, IL.** Audra is the lead engineer in charge of the review of the design plans, design calculations, specifications, geotechnical reports and drainage reports on behalf of UPRR for numerous underpass structures for the Springfield Rail Improvement Project. Underpass bridges include bridges over Carpenter St., Ash St. and Laurel Ave, Grand Ave, 5th and 6th Street. Bridges consist of steel beam or deck plate girder spans with steel deck and drilled shaft substructures. The project includes review starting at the grade separation type selection report (grade separation evaluation) to construction submittal review and some construction observation.
2018	**20th Underpass Final Plan Review, BNSF Public Project, Moorhead, MN.** Audra was the lead reviewing engineer for the design review of three railroad underpass grade separation structures for BNSF Railway.
2019-2024	**NICTD DT Project, Gary, IN.** Structural Design Lead for four (4) through plate girder bridges over highways and other railroads and multiple high-level platforms. The TPG bridges were skewed with pipe pile and T-wall abutment foundations. One bridge spans over CSX Railroad and another over NS Railroad. The project involves the construction of a double track along 26 miles of NICTD line. High-level platforms are precast concrete panels supported on precast concrete walls and spread foundations. The project also includes numerous low-level platforms.

Firm	ELOS ENVIRONMENTAL, LLC		
Basile Dardar Environmental Specialist/Project Manager		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	2
Degree(s)/Years/Specialization	BS/2014/Biology		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Natural Environment **Brief Description:** Wetland Studies, Environmental Data Collection & Surveys, Endangered Species Survey including tri-colored bat, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
11/21-Ongoing	**DOTD Stage 0 IDIQ.** Basile reviewed the stage 0 Checklist for multiple locations working with the clients.
08/23-Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA.** Basile has coordinated with the field team to conduct wetland delineations, complete wetland findings reports, work with the USACE for jurisdictional determinations of wetlands, and assist with USACE permit applications and supporting documentation for 13 bridge replacements.
09/22-Ongoing	**DOTD IIJA Off-System Bridges District 62.** ELOS is contracted to provide comprehensive services to replace bridges throughout various parishes located in Southeast Louisiana in several phases until completion. Basile has coordinated with field teams to assess cultural and environmental impacts. Through ongoing efforts, Basile has maintained the required data and documentation and reviewed deliverables and reports applicable to SOVs, wetland delineations, and categorical exclusion of the construction activities. He has assisted with preparing applicable permits, maps, forms, and supplemental documentation.
04/22-Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA.** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Basile has conducted wetland delineations, prepared and submitted permit applications, and led the team in completing the SOVs and CE documentation.
06/22-09/23	**DOTD Rousseau Bridge Replacement; St. Tammany Parish, LA.** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Basile has conducted a wetland delineation, submitted reports to USACE, coordinated with the field team regarding SOVs and information needed, and reviewed permit drawings.

11/21- Ongoing	**DOTD Rural Bridges Phases I & II; Statewide, LA**. ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Basile has coordinated field crews, performed wetland delineations, collected and inputted data, written and produced reports, developed timelines, coordinated with DOTD, worked on permit applications with state and federal agencies, and assisted with the surveys.
11/21-Ongoing	**Move Ascension - Phases II & III; Ascension Parish, LA.** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Basile has worked on the wetland findings report for the USACE jurisdictional determination of wetlands, reviewed delineation photographs and maps, and reviewed corresponding figures and data for the permit applications.
01/22-09/22	**Judge Dufresne Parkway Extension; St. Charles Parish, LA.** ELOS was contracted to conduct a Wetland Delineation, submit Permit Applications, perform a Phase I ESA, and provide a Section 106 Desktop Review for a 161.5-acre tract of land referred to as Judge Dufresne Parkway Extension located in St. Charles Parish, Louisiana. Basile performed the wetland delineation, completed the Phase I ESA and its report, and assisted with the USACE permit application and follow-up.
06/24-Ongoing	**US 190 Roundabouts (H.014375); St. Tammany Parish, LA.** ELOS has been contracted to perform a wetland delineation, prepare and submit joint permit applications, complete Section 106 reviews, and conduct threatened and endangered species surveys for a 28-acre area for the installation of roundabouts on US 190. Basile has assisted with writing and reviewing the threatened and endangered species report.
02/23-Ongoing	**DOTD Minnesota Park/Range Road Roundabout; Tangipahoa Parish, LA.** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Basile has worked on the SOVs, reviewed the CATEX sections and documentation, written permit applications, and coordinated with DOTD.



Firm	AECOM TECHNICAL SERVICES, INC.		
Jonathan Vavasseur, PWS Senior Project Biologist		Years of Relevant Experience with this Employer	6
		Years of Relevant Experience with Other Employer(s)	16

Degree(s)/Years/Specialization	BS/2002/Wildlife and Fisheries Sciences		
Active Registration Number/State/ Expiration Date	No. 3029/LA/12.31.27		
Year Registered	2018	Discipline	Certified Professional Wetland Scientist (PWS)
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Natural Environment/Identifying Permit Requirements **Brief Description:** Jonathan is a certified Professional Wetland Scientist with over 17 years of experience in environmental, regulatory, and ecological consulting with a strong concentration in wetland ecology. He has served as the team leader and field coordinator for environmental project teams. Mr. Vavasseur has led various projects that range from wetland delineations, T&E surveys, biological assessments, and environmental site assessments throughout the southeast U.S. for federal and state agencies, municipalities, and private clients. Examples of his experience are shown below.		

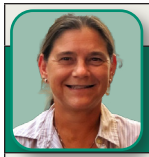
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Senior Project Biologist/Permitting Specialist. Conducted wetland delineations and T&E Surveys as well as Section 404/10 Permitting for all roadway segments within the proposed improvement corridors.
07/20-09/20	**City of Baton Rouge, Parish of East Baton Rouge, Jones Creek Road Extension Project.** Senior project biologist/Permitting specialist. Conducted Wetland Delineation and T&E Surveys as well as Section 404/10 USACE Permitting.
06/19-12/19	**Department of the Airforce, Barksdale Air Force Base East Gate Relocation.** Senior Project Biologist. Conducted Wetland Delineations for the Proposed Gate Relocation and New Roadway.
08/15-08/18	**DOTD Environmental Impact Specialist.** Biologist. DCL for FHWA Funded Highway Projects, State of Louisiana Environmental Impact Specialist (Biologist) responsible for coordinating and overseeing all wetland projects for DOTD. 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, as well as technical reporting for state highway projects.
07/22-Ongoing	**EDP Renewables North America, LLC/Ragsdale Solar Project, Madison County, MS.** Project Manager and Project Biologist responsible for overseen all aspects of project management, conducting wetland field surveys, T&E field surveys, nesting bird surveys, and environmental compliance monitoring for the proposed solar farm project.

12/21-12/23	**EDR Renewables North America, LLC/Crooked Lake Solar Project, Mississippi County, AR.** Lead Field Biologist responsible for coordinating and conducting all wetland delineation, T&E field surveys, and raptor nesting surveys for the proposed 2,625-acre solar farm site.
05/21-Ongoing	**Air Products and Chemicals, LLC/Louisiana Clean Energy Complex, Ascension, Assumption, Livingston, St. James, and St. John Parishes, LA.** Senior Project Biologist/Permitting Lead responsible for leading wetland and T&E field survey efforts as well as permitting lead responsible for coordinating all federal and state resource permitting efforts.
02/19-08/20	**NASJRB New Orleans, LA.** Project Manager and Senior project biologist responsible for conducting 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. Project manager and senior project biologist responsible for conducting wetland delineations and T&E species surveys for 5 sites in St. James Parish, LA.** Head 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.

Firm	ELOS ENVIRONMENTAL, LLC		
Cory Ricks Environmental Specialist		Years of Relevant Experience with this Employer	8
		Years of Relevant Experience with Other Employer(s)	1
Degree(s)/Years/Specialization	BS/2015/Biology		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Natural Environment **Brief Description:** Environmental Data Collection & Surveys, Impact Evaluations, NEPA Clearance, and Stage 0 Checklists.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/21-Ongoing	**DOTD Stage 0 IDIQ.** Cory reviewed documents and coordinated with the client. Ensuring the records were up to date and the project continues to move forward.
09/16-06/20	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA.** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs so that ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Cory performed the wetland delineation for all three routes and provided a report of the findings. Cory also assisted in GIS mapping of the Wetlands Findings Report, Phase I Environmental Site Assessment, and the Biological Assessment Survey. Cory also provided a report of the threatened and endangered species known in the project area. Cory led efforts on providing stream and waterbody data for each report.
06/22-09/23	**DOTD Rousseau Bridge Replacement; St. Tammany Parish, LA.** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Cory worked on the emergency authorization application since the bridge was the only way to access a neighborhood, assisted with the Scenic Rivers permit application, and provided project updates to St. Tammany Parish.
04/22-02/24	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA.** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Cory conducted a gopher turtle survey, wrote the findings report, completed permit applications with supporting documentation, and assisted with agency coordination.

11/17-Ongoing	**Move Ascension - Phases I, II, & III; Ascension Parish, LA.** ELOS has been contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Cory leads a team of field members to perform the wetland delineations. He has also assisted with cultural resources field investigations and with permit applications to state and federal agencies (USACE, LEDNR, DOTD).
05/21-05/21	**Tammany Trace Bridge Replacement; St. Tammany Parish, LA.** Cory performed the wetland delineation, entered the wetforms, revised transmittals, reviewed the photographs/logs, coordinated with the GIS team to update maps, and submitted the wetland findings report.
05/22-03/24	**North Brickyard Road Bridge Replacement Program; Tangipahoa Parish, LA.** Cory initiated the Solicitation of Views (SPVs), Categorical Exclusion (CE) documents, and reviewed all supporting documentation as it was sent and received from the agencies. He also assisted with permit applications and agency coordination when asked for additional information.
02/23-Ongoing	**DOTD Minnesota Park/Range Road Roundabout; Tangipahoa Parish, LA.** ELOS is contracted to complete a wetland delineation report to obtain a jurisdictional determination from the U.S. Army Corps of Engineers (USACE), submit a permit application, if necessary, as well as assist with a Categorical Exclusion (CATEX), Phase I Environmental Site Assessment (ESA), and the Solicitation of Views (SOVs) for a roundabout project (H.014340) covering 2.5 acres in Tangipahoa Parish. Cory has researched additional information for reports, worked on files related to the CATEX, and assisted with reviewing agency requests for more information.
07/21-08/22	**LA Trace Road Widening; Ascension Parish, LA.** ELOS was contracted to complete a wetland delineation report and prepare and submit road widening and culvert replacement joint application permits to the USACE and LDENR. Cory worked with the team on the wetland delineation and reviewed the final figures and reports, prepared the joint application permits, met with the landowner for right-of-way, provided follow-up information and permit revisions to USACE and LDENR, and reviewed project invoicing.
08/17-11/19	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA.** ELOS was contracted to act as the environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville (H.009250). The project included widening an approximately 6-mile segment of I-10 and expanding two bridges/overpasses. Cory worked on documentation for the CATEX, wrote and revised several permits to state and federal agencies, and coordinated field crews for completing stormwater inspections and monitoring construction activities for environmental impacts and compliance.



Firm	AECOM TECHNICAL SERVICES, INC.		
Zoe Knesl Environmental Scientist		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	15

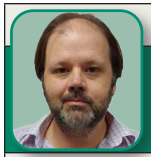
Degree(s)/Years/Specialization	MS/2002/Marine Science; BA/1994/Integrative Biology/Ecology; BA/1994/Studio Art		
Active Registration Number/State/ Expiration Date	OSHA HAZWOPER 40-Hour Training, 8-Hour Refresher Training, and Annual Medical Exam; OSHA 30-hour Construction Supervisor Training; USACE Wetlands Delineation Training Certificate #5535		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Hazardous Materials Investigation **Brief Description:** Zoe will review Hazardous Material Assessment. She is a scientist with 26 years of experience in conducting field surveys, Phase I and Phase II Environmental Site Assessments and reporting, National Environmental Policy Act (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 is skilled at data entry, table and chart generation using databasing software. She has organized sample collection and report generation. Her laboratory skills include stable isotope analysis; preserving organisms in formalin; identifying benthic invertebrates, plants, and marine and freshwater algae; and various procedures employed during forensic DNA analysis. She also has experience identifying plants and soil types.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Conducted and authored a Phase I ESA of a section of College Drive in Baton Rouge, LA.
01/21-Ongoing	**City of Baton Rouge, East Baton Rouge Parish, MOVEBR Program, Airline Hwy./Jones Creek Road TEPR Study, Baton Rouge, LA.** Phase I ESA services for Jones Creek Road Extension that will connect Tiger Bend Road and Airline Highway. Assisted with existing intersection analysis, queue and unmet demand traffic counts along the corridor, and traffic study report.
04/13-07/18	**Siemens Water Technologies, Former Siemens Site-Long Term Monitoring, New Orleans, LA.** Task manager for long term monitoring of a facility. Conducted field sampling, and generated quarterly and annual reports. Coordinated with laboratory and facility. Developed proposal for additional investigation with horizontal drill rig. Performed subcontractor coordination.
05/13-08/13	**Energy Services, Inc., Phase II Limited Site Investigation and Phase I ESA, Various Locations.** Conducted and reported on a Phase I site assessment of a boiler facility and a cooling facility for a power company.

Firm	AECOM TECHNICAL SERVICES, INC.		
Shelley Hartsfield Cultural Resource		Years of Relevant Experience with this Employer	16
		Years of Relevant Experience with Other Employer(s)	15
Degree(s)/Years/Specialization	MA/2012/Anthropology; BS/2001/Anthropology		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Cultural Resources **Brief Description:** Shelley will support the cultural resources team. She is a Principal Investigator for archaeology and Certified Project Manager with over 18 years' experience in Cultural Resource Management, conducting all phases of archaeological projects in the field, laboratory, and office. She has participated in writing and evaluating proposals; made NRHP evaluations and nominations; contributed to NEPA documents, Programmatic Agreements, Environmental Assessments, Environmental Impact Statements, Categorical Exclusions, 4(f) Statements, Memoranda of Agreements, and NAGPRA compliance. She took the course, Successfully Navigating Section 106 Review, in April of 2014. She has created budgets and managed projects; and has overseen personnel in the field and office. She meets the U. S. Secretary of the Interior's Professional Qualification Standards for Archaeology and Historic Preservation. During her career, Shelley has conducted archaeological investigations for hundreds of miles of linear infrastructure, which includes pipelines, railroad, and roadway projects. She is a member of state, county, and city historical and archaeological societies, and is a committee member of the City of Dallas Landmark Commission's Designation Committee.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-Ongoing	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Conducted and authored a Phase I ESA of a section of College Drive in Baton Rouge, LA.
04/1-03/18	**DOTD State Project No. H.004273.5, I-49 Lafayette Connector Project, Lafayette, LA. Field Technician.** Ms. Hartsfield participated in the Historic Resources survey and assisted with photo documentation of historic resources within the 1-49 corridor and conducted background research on Ile Copal.
04/14-03/18	**DOTD State Project No. H.004273.5, I-49 Lafayette Connector Project, Lafayette, LA. Field Technician.** Shelley participated in the Historic Resources survey and assisted with photo documentation of historic resources within the 1-49 corridor and conducted background research on Ile Copal.
09/20-03/21	**Port of South Louisiana. Phase I Cultural Resources Survey Report for the Port of South Louisiana Globalplex Multimodal Connections Project, Reserve, St. John the Baptist Parish, LA.** Shelley served as Principal Investigator and oversaw the archaeological field efforts and is the secondary author of the Phase I investigation report.

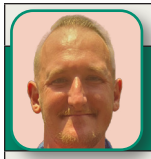
04/20-10/20	**City of Baton Rouge and Parish of East Baton Rouge. Phase I Cultural Resources Investigation of the proposed Jones Creek Road, Jefferson Highway to Airline Highway; and Phase I Cultural Resources Investigation of the proposed Jones Creek Road, Tiger Bend Road to Jefferson Highway, Baton Rouge, LA.** Shelley conducted the background study and coordination with the Louisiana State Historic Preservation Office regarding archaeological and historic resources for the undertaking.
2014-Ongoing	**Federal Railroad Administration. Dallas to Houston High Speed Rail Archeological Resources Survey, Dallas, Ellis, Navarro, Free-stone, Limestone, Leon, Madison, Grimes, Waller, and Harris Counties, TX.** Project Archaeologist. Shelley has coordinated the ongoing archeological 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, the Antiquities Code of Texas, and the National Environmental Policy Act, as well as lead author of the archaeological reports and technical review.
03/18-06/18	**NextERA. Cultural Resources Investigations for the Proposed Torrecillas Wind Farm, Wells and Duval Counties TX.** Project Archaeologist. Shelley participated in the intensive cultural resources field investigations for the ongoing project at wind turbine locations, access roads, and transmission line corridor.
05/16-01/18	**Oncor Electric Delivery. Archaeological Survey for Oncor CREZ Permian Basin–Culberson 138 kV Transmission Line Project, Culberson, Reeves, and Ward Counties, TX.** Project Archaeologist. Shelley participated in the Phase I survey of the 110-mile transmission line. She was also responsible for obtaining site trinomials, portions of the report writing and technical review, and preparation of records for curation at the Texas Archeological Research Laboratory.
02/16-04/16	**TxDOT. Intensive Archaeological Survey of IH-20 at Ranger Hill, Eastland County, TX.** Principal Investigator. Shelley conducted the background research, literature review, produced the Research Design, conducted the field effort, was lead author on the report submittal, as well as produced the EA contribution.
03/15-11/15	**TxDOT. Intensive Archaeological Linear Survey and Deep Prospecting of the Dallas / Ft. Worth International Airport East–West Connector Roadway, Tarrant County, TX (CSJ: 0902-48-712).** Principal Investigator. Shelley conducted the background research, literature review, Research Design, field effort, report writing, as well as produced the TxDOT PCR and EA contribution.
08/17-01/17	**TxDOT. Farm-to-Market 545 Project, Collin County, TX.** Project Archaeologist. Shelley conducted the Archaeological Background Studies for the 9.09-mile roadway widening and realignment project from FM 2933 to Business State Highway 78, Melissa to Blue Mound, Texas.
06/18-08/18	**TxDOT. CR 1590 at Big Sandy Creek (CSJ 0902-20-102); CR 2327 at Black Creek Tributary (CSJ 0902-20-111); Old Gertrudes Road at Stewart Creek (CSJ 0902-04-027), Wise County, TX. P**roject Archaeologist. Shelley conducted the Archaeological Background Studies for roadway widening projects for the three bridge crossings.



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)	1

Degree(s)/Years/Specialization	BA/2003/Archaeology		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Cultural Resources **Brief Description:** Gary will support the cultural resources team. He has over 17 years of experience conducting archaeological projects in the field and laboratory.		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/20-10/21	**Feasibility Study and Report/TEPR, College Drive, City of Baton Rouge/Parish of East Baton Rouge, Baton Rouge, LA.** Technical Writing
05/15-06/15	**DOTD, Berwick Interchange Environmental Assessment. St. Mary Parish, LA.** Field Archaeologist, Laboratory Technician
01/16-03/16	**DOTD, LA1042 Bridge Expansion. Helena Parish, LA.** Field Archaeologist, Technical Writing
02/15-02/15	**DOTD, LA3 Turn Lane Construction. Bossier Parish, LA.** Field Archaeologist
08/15-09/15	**GDOT, Hereford Farm Road Extension. Colombia County, GA.** Field Archaeologist
10/15-1/16	**DOTD, Pigeon Creek Bridge Expansion. Helena Parish, LA.** Field Archaeologist, Laboratory Technician, Lab Analyst
05/17-06/17	**DOTD, Tendal Road Cultural Resource Survey. Madison Parish, LA.** Field Archaeologist, Technical Writing, Lab Analyst
08/17-10/17	**DOTD, Coteau Road Phase I Cultural Resource Survey. Iberia Parish, LA.** Field Archaeologist
02/17-03/17	**TCR, Texas Light Rail Survey. Ellis, Navarro, Limestone, Leon, Madison, Grimes, Waller, Harris Counties, TX.** Field Archaeologist
09/13-04/14	**Stantec Consulting Services, Inc. Perkins Road (LA427) Segment #1, From Seigen Lane to Highland Road. Baton Rouge, LA.** Technical Writing, Field Archaeologist
08/20-09/20	**Airline Hwy./Jones Creek Road TEPR Study, Baton Rouge, LA.** Crew Chief, Technical Writing
09/20-10/20	**Port of South Louisiana (La 637) Stage 0 Report and EA, Baton Rouge, LA.** Crew Chief, Technical Writing
05/24-05/24	**TXDOT (SH-107) Phase I Cultural Resource Survey, Hidalgo and Cameron Counties, TX.** Field Archaeologist
05/24-06/24	**TXDOT (SH-183) Background study for Historic Resources, Tarrant County, TX.** Technical Writing
01/21-Ongoing	**TXDOT (US-380) Phase I Cultural Resource Survey, Various Counties, TX.** Field Archaeologist, Technical Writing



Firm	ELOS ENVIRONMENTAL, LLC		
Christopher Wilson Environmental Specialist		Years of Relevant Experience with this Employer	1
		Years of Relevant Experience with Other Employer(s)	5

Degree(s)/Years/Specialization	MA/2023/Art History and Curatorial Studies; MA/2022/Archaeology; BA/2021/Art and Archaeology		
Active Registration Number/State/ Expiration Date	Registered Professional Archaeologist		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Cultural Resources **Brief Description:** Section 106 Desktop Reviews, Terrestrial and Maritime Archaeology, Phase I, II, and III Cultural Resource Surveys, Evaluations, and Recoveries, Construction Monitoring		

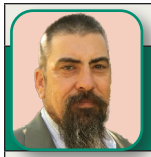
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/23-11/24	**DOTD Rural Bridge Replacement Phases I & II; Statewide, LA**. Christopher was responsible for providing CRM (Cultural Resource Management) services for a DOTD rural bridge replacement project. His duties included conducting research, preparing a Phase I report, and managing STP (Shovel Test Pit) data. He coordinated with agencies such as SHPO (State Historic Preservation Office), NRHP (National Register of Historic Places), and DOTD. Additional tasks include preparing transmittal letters, completing LHRI (Louisiana Historic Resource Inventory) forms, managing the Survey123 platform, overseeing field crew activities, and preparing and submitting the final report. Christopher ensured all documentation and processes meet regulatory requirements for cultural resource assessments.
12/23-09/24	**DOTD IIJA Off-System Bridges District 62.** Christopher was responsible for providing comprehensive CRM services for the DOTD Off-System Bridges District 62 project. His tasks included conducting background research, preparing desktop reports, and overseeing field crew activities. He utilized topographical maps and aerial investigations to gather critical data. Christopher also created and submitted tribal packet research, along with collecting CRM information necessary for Categorical Exclusion (CATEX) evaluations. Additionally, he coordinated with agencies such as LHRI, DOTD, and SHPO to ensure compliance with regulations. Christopher prepared a Section 106 desktop report, assessing potential impacts on historic properties and ensuring the project aligns with cultural resource preservation requirements.
10/24-Ongoing	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA.** For the St. Tammany bridge replacement project, Christopher provides CRM services, focusing on Section 106 compliance. His responsibilities include conducting a CRM Section 106 desktop review to assess the potential impacts of the bridge replacement on cultural resources. This involves reviewing SHPO databases for historic properties, conducting a cemetery review to identify any burial sites in the area, and assisting with the preparation of maps and aerial images to support the cultural resource assessment. He also compiles and creates a detailed Section 106 desktop review report, summarizing findings and ensuring compliance with historic preservation requirements, while addressing potential impacts to cultural resources in the project area.

11/23-11/23	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA.** For the DOTD Off-System Bridge Prioritization Project, Christopher provided a review of the project site to assess the potential effects of bridge replacements on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
11/23-11/23	**N. Brickyard Road Bridge Replacement; Tangipahoa Parish, LA.** Christopher reviewed the project site to assess with the potential effects of the bridge replacement on cultural resources. He verified no cultural resources were needed, allowing the project to move forward in accordance with regulatory requirements.
07/24-08/24	**US 190 Roundabouts; St. Tammany Parish, LA.** Christopher was responsible for CRM services for the construction of three roundabouts along Highway 190 in St. Tammany in support of Section 106 compliance. His responsibilities included SHPO files to include all previously recorded cultural resource surveys, archaeological sites, and historic structures within a 1-mile radius. He also compiles reviews and reports to summarize findings and addresses any potential impacts on cultural resources, including cemetery reviews.
10/24-10/24	**Old Mill Settlement Road; Livingston Parish, LA.** Christopher was responsible for performing a Section 106 desktop review in support of Livingston Parish Government for their proposed road project. His responsibilities included but were not limited to working with all applicable state agencies and adhering to the regulations of 36 CFR Part 800. He verified that the site had experienced some disturbances due to road construction and that there was a high probability of possible Cultural resources due to the proximity of the Amite River and the previously recorded archaeological sites.
07/24-09/24	**Juban North Extension; Livingston Parish, LA.** Christopher provided a Section 190n desktop review for Livingston Parish Juban Road Extension. He researched and reviewed historical maps, aerial photographs, and the online database of archaeological and historic sites maintained by SHPO. He found that there had been 11 cultural resource investigations within 1-mile of the project area. He also reviewed historical topographical maps and aerials. Christopher found that because the site had not been heavily altered through construction previously a historic structure survey was recommended.
03/24-04/24	**5th Street Improvements (H.012885); Jefferson Parish, LA.** Christopher performed a Phase I Cultural Resource Survey of 0.5-mile radius of the projected improvement project. This included a pedestrian survey, taking systematic photos, recording addresses of all historic structures, and completing all Louisiana Historic Resource Inventory forms. The buildings were found to not be eligible but it was noted that they are in a district that is potentially eligible as a Postwar Commercial Strip. He developed a plan for any cultural material encountered would be labeled with provenance and temporarily curated by ELOS. In the end, he recommended the project proceed as planned after concluding no significant cultural resources would be impacted.
06/24-10/24	**Move Ascension, Phase III; Ascension Parish, LA.** Christopher was responsible for conducting a Section 106 Desktop Review of the Roddy Road area as part of the third phase of Move Ascension project. This review included identifying potential historic structures by using SHPO databases and files. He also reviewed historic aerial images for structures in the area. He was able to identify from the multiple sources that there were historical structures. He compiled his findings and met with GIS to report them.
10/23-02/24	**Tangipahoa USDOT BIP Services 2023; Tangipahoa Parish, LA.** Christopher performed a Cultural Resource Review of previous investigations. These investigations included surveys, cemeteries, and listings of historic structures. He coordinated with the project manager and SHPO while conducting and documenting the review.

Firm	ELOS ENVIRONMENTAL, LLC		
Lucas Watkins Principal/Environmental Scientist		Years of Relevant Experience with this Employer	18
		Years of Relevant Experience with Other Employer(s)	4
Degree(s)/Years/Specialization	MS/2005/Biological Sciences; BS/2000/Forest Management		
Active Registration Number/State/ Expiration Date	National Highway Institute: NEPA & Transportation Decision-Making Process		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Public, Stakeholder & Agency Coordination **Brief Description:** Principal, Project Oversight, NEPA Clearance, Agency Coordination, Stakeholder Outreach, and Public Meetings		

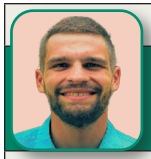
Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
08/22-08/24	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA.** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs, where ELOS estimated the cost of mitigating any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Mr. Watkins was the principal in charge of overseeing this project and provided guidance along the way. He reviewed the wetland delineations for the three possible routes and final reports as well as the Phase I Environmental Site Assessment.
02/22-Ongoing	**DOTD Stage 0 IDIQ.** ELOS is completing the Stage 0 Checklist, which includes providing demographic information, maps, site photologs, and researched outcomes for wetlands, threatened and endangered species, Native American tribes, scenic streams, community information, LDEQ/EPA database information, registered wells, and other environmental concerns. Mr. Watkins has overseen every step of the process ensuring compliance with all regulations and transparency between all stakeholders in the project.
04/22-Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA.** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Watkins the permit application throughout the entire process to ensure success of the permit process.
09/22-Ongoing	**DOTD IIJA Off-System Bridges District 62.** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Lucas has reviewed the findings reports prior to client submission.
10/23-Ongoing	**EBR Off System Bridge Program; East Baton Rouge Parish, LA.** ELOS is contracted to prepare and submit permit applications to the U.S. Army Corps of Engineers (USACE) to include completing permit application packet, documenting the rationale for the project, providing the summary of project and detailed verbal description of the project location. ELOS is also responsible for generating one site plan for each project and coordinating with USACE for a permit under Section 10/404 of the Clean Water Act. Lucas the permit application throughout the entire process to ensure success of the permit process.

09/20-Ongoing	**DOTD Rural Bridges, Phases I & II; Statewide, LA; Statewide. LA.** ELOS has been contracted to provide environmental services for the DOTD Rural Bridge Replacement Initiative projects in six districts across the state. Lucas ensures that all phases of the project adhere to federal and state environmental regulations. He facilitates effective communication among DOTD officials, environmental organizations, and other stakeholders to address concerns and maintain transparency throughout the project.
08/22-08/24	**STP Lock No. 3 Replacement; St. Tammany Parish, LA.** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the St. Tammany
03/24-Ongoing	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA.** ELOS was contracted to collect data and prepare a report to support a Wetland Delineation and manage the permit process with the USACE. ELOS will facilitate compliance with Section 106 of the National Historic Preservation Act (NHPA) of 1966 by completing a Section 106 Desktop Review. ELOS will conduct a biological survey to determine potential effects on species protected under the Endangered Species Act (ESA), Migratory Bird Treaty Act (MBTA), Bald and Golden Eagle Protection Act (BGEPA) and all other applicable law and regulations. Lucas has overseen every step of the process ensuring compliance with all regulations and transparency between all stakeholders in the project.
04/22-Ongoing	**Yellow Water Road Bridge Replacement; Tangipahoa Parish, LA.** ELOS has been contracted to prepare a Early Section 106 Tribal coordination packet and submit it to the DOTD Project Manager (ELOS will not directly communicate with the tribal governments). ELOS will conduct biological assessment and a review of previous Historic Reviews. Lucas will review the finding of all reviews and the permit packet prior to submission.
12/22-Ongoing	**Wildwood Dr. Bridge; Livingston Parish, LA.** ELOS was contracted to perform a Wetlands Delineation Assessment, a Biological Assessment, and a Cultural Resource Survey. Lucas directed the assessments and ensured the accuracy of the Cultural Resource Survey. He supervised the submission of all pertinent documentation to the appropriate agencies.
11/17-Ongoing	**Move Ascension, Phases I, II, & III; Ascension Parish, LA.** ELOS is contracted to plan projects, perform wetland delineations, conduct cultural resource surveys, and submit permit applications for 60 roadway projects, varying from roundabouts to constructing new lanes and connecting roadways, located throughout Ascension Parish. Lucas has reviewed delineation details, edited cultural resource reports, developed and analyzed alternatives, reviewed scheduled, assisted with wetland mitigation, and reviewed permit applications.
08/22-Ongoing	**H.014362 Lake Road; St. Tammany Parish, LA.** ELOS was contracted to complete the solicitation of views and categorical exclusion notices, conduct a wetland delineation, and submit a joint permit application, scenic rivers permit application, and USCG bridge permit application for the project. Lucas reviewed the categorical exclusion packet and assisted with agency coordination and requests for more information.
02/23-Ongoing	**DOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA.** ELOS is contracted to complete a wetland delineation report, submit a permit application, as well as assist with a CATEX, Phase I ESA, and the solicitation of views (SOVs) for the roundabout project at the intersection of Minnesota Park and Range Road. Lucas monitors the project timelianes, milestones, and budgets to ensure timely delivery of environmental assessments that align with project schedules. He also reviewed the SOVs and supporting documentation prior to initiating the process with agencies.
08/22-Ongoing	**MoveBR Mickens Road; East Baton Rouge Parish, LA**. ELOS is contracted to provide environmental services for a 2.8-mile-long roadway improvements project on Mickens Road from Hooper Road to Joor Road in East Baton Rouge. Services included a wetland delineation, a Phase I ESA, and a permit application to USACE. Lucas has reviewed the wetland delineation report, coordinated staff for the Phase I ESA tasks, reviewed final reports, and consulted with the Parish leadership.



Firm	ELOS ENVIRONMENTAL, LLC		
Brian Forston Senior Project Manager/Biologist		Years of Relevant Experience with this Employer	13
		Years of Relevant Experience with Other Employer(s)	23
Degree(s)/Years/Specialization	JD/2006/Civil Law; BS/1995/Wetland Ecology		
Active Registration Number/State/ Expiration Date	N/A		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role:** Public, Stakeholder & Agency Coordination **Brief Description:** Project Management, NEPA Clearance, Feasibility Analysis, and Agency Coordination		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
09/16-06/20	**LA 3234 Extension to Hammond Airport Environmental Assessment; Tangipahoa Parish, LA.** ELOS was contracted to provide environmental services for the LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs so that ELOS will estimate the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. Mr. Fortson assisted with internal teams to provide support for he coordination with agencies.
08/23-Ongoing	**DOTD Stage 0 IDIQ.** ELOS was contracted to provide professional environmental consulting services. Mr. Fortson coordinated with our partners and reviewed the bridge plans. Mr. Fortson also reviewed the findings reports prior to client submission
09/20-Ongoing	**DOTD Rural Bridges Phases I & II; Statewide, LA.** ELOS has been contracted to provide professional environmental consulting services for the Department of Transportation and Development (DOTD) Rural Bridge Replacement Initiative for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, 58. Almost all the projects have included a wetland delineation, permit applications, cultural resource survey, and a T&E survey. Mr. Fortson has reviewed wetland delineation reports and categorial exclusion documentation, discussed findings and reviewed data for final reports, and met with staff internally to develop threatened and endangered species surveys.
09/22-Ongoing	**DOTD IIJA Off-System Bridges District 62.** This off-system bridge project involves the replacement of six bridges; ELOS is performing wetland delineations, completing permit applications, completing solicitation of views to document categorical exclusions for the work proposed, completing cultural resources research, tribal packets, and reports, and write navigability determination reports. Mr. Fortson has reviewed the findings reports prior to client submission.
10/22-09/23	**DOTD Rousseau Bridge Replacement; St. Tammany Parish, LA.** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mr. Fortson assisted with the report drafts and permit applications.



Firm	ELOS ENVIRONMENTAL, LLC		
Mike Hill Environmental Specialist		Years of Relevant Experience with this Employer	2
		Years of Relevant Experience with Other Employer(s)	2
Degree(s)/Years/Specialization	BS/2019/Environmental Science		
Active Registration Number/State/ Expiration Date	DOTD FFA certified UAV(Drone) pilot. Certification No: 4566332		
Year Registered	N/A	Discipline	N/A
Contract Role(s)/Brief Description of Responsibilities	**Contract Role**: Identifying Permit Requirements **Brief Description:** Wetland Studies, Environmental Data Collection & Surveys, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists		

Experience Dates (mm/yy - mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
04/21-Ongoing	**DOTD Stage 0 IDIQ.** Mike reviewed the stage 0 forms for Old US 57, Bankston Rd., and W club Deluxe Rd. ensuring their accuracy.
09/22-Ongoing	**DOTD Rousseau Bridge Replacement; St. Tammany Parish, LA.** ELOS was contracted to provide environmental services for the Rousseau Bridge Replacement Project located on approximately 2.62 acres in St. Tammany Parish. Services included a wetland delineation, Scenic Rivers permit application, emergency authorization application to USACE, SOVs, and a final report. Mikel prepared the solicitation of views packet and worked on the permit application.
04/22-Ongoing	**Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA.** ELOS is contracted to provide environmental services including wetland delineations, Solicitation of Views (SOVs), Categorical Exclusion (CE) documents, and permit applications and drawings for six bridges to be replaced in District 62. Mike coordinated with USACE and prepared the solicitation of views packet.
11/21-Ongoing	**DOTD Rural Bridges Phases I & II; Statewide, LA.** ELOS has been contracted to provide professional environmental consulting services for replacing bridges in rural areas for two project phases. Phase I involved bridge replacements under 16 state project numbers and supplemental task orders, impacting 33 structures in Districts 03, 07, 61, and 62. Phase 2 is ongoing and involves bridge replacements under 9 state project numbers and supplemental task orders, impacting multiple structures in Districts 05, 08, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered species survey. Mike has coordinated field crews to gather data from field including plot photos and worked on the permit submittal.
04/22-Ongoing	**N. Brickyard Rd. Bridge Replacement; Tangipahoa Parish, LA.** ELOS has been contracted to provide professional environmental consulting services for the replacement of North Brickyard Road Bridge. The project includes a categorical exclusion written in accordance with Federal Highway Administration (FHWA) guidance. A wetland study and delineation are also required. Mike performed the delineation in the field and also prepared the solicitation of views packets for the permit application.

02/22-Ongoing	**STP Lock No. 3 Replacement; St. Tammany Parish, LA.** ELOS has been contracted to perform wetland delineation, submit joint permit applications, perform a State Historic Preservation Office (SHPO) Section 106 desktop review and Consultation, and perform a U.S. Fish and Wildlife (USFWS) Endangered Species Act (ESA) Biological assessment for the St. Tammany Parish Lock No. 3 Bridge Replacement project. Mike performed the wetland delineation and also constructed the wetland report for the joint permit application.
04/13-07/18	**Lod Stafford Rd. Bridge Replacement; Livingston Parish, LA.** ELOS has been contracted to provide professional environmental services that include aiding the client in the submittal of the FEMA 8-Step Process, Solicitation of Views (SOV) process, perform a wetland delineation, and submit a permit application to the United States Army Corps of Engineers (USACE) for a 0.25-acre tract of land to authorize the proposed activities for the Lod Stafford Road Bridge Replacement project located in Livingston Parish, LA. Mike performed the delineation and input data into the ArcGIS system to complete the wetland report.

Section 17

Stage 0 Feasibility Study and Report, LA 935, DOTD, Ascension Parish, LA

AECOM assisted in performing a Stage 0 Feasibility Study in accordance with the results of a Roadway Safety Assessment (RSA) performed by the AECOM team.

The study area is approximately a 4–mile segment of LA 935 from LA 431 to LA 22 in Ascension Parish with a known history of crashes. Task included a conceptual alternatives for the realignment of LA 935, including the typical section, design criteria, plan, and cost estimate.
Sent two images for this

17. Firm Experience:

Firm Name	**AECOM TECHNICAL SERVICES, INC.**		Past Performance Evaluation Discipline(s)*	Planning, Environment, Traffic, Road, Bridge	
Project Name	**Feasibility Study and Report/TEPR, College Drive**		Firm Responsibility (Prime or Sub?)	Prime	
Project Number	19-EN-HC-0033	Owner's Name	City of Baton Rouge/Parish of East Baton Rouge		
Project Location	Baton Rouge, LA	Owner's Project Manager	Scott Hoffeld		
Owner's Address, Phone, Email	P.O. Box 1471, Baton Rouge, LA; 225.572.7111; scott.hoffeld@stantec.com				
Services Commenced by This Firm (mm/yy)	09/20	Total Consultant Contract Cost ($1,000's)	$1,740		
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$1,024		

AECOM is providing a Design Study, Traffic Study, Environmental Inventory, and Preliminary Engineering for enhancements to the College Drive corridor from Perkins Road to Bawell Street including potential improvements to the I-10 interchange ramp termini. This project is one of the largest and most visible corridors in the MOVEBR program. The Design Study will produce preliminary concepts that are improvements to corridor connectivity, access management, pedestrian and bicycle safety, capacity improvements that will be evaluated using the mesoscopic model. Then, the concepts will be assembled into corridor alternatives that will be analyzed using VISSIM. Environmental impacts, right-of-way impacts and acquisitions, utility relocations, implementation of green infrastructure elements, and project construction costs will be factors in the evaluation in addition to traffic operations and safety improvements. The project also included public involvement, stakeholder engagement, and railroad coordination for modifications to the railroad crossing. **The alternatives and the project areas environmental inventory was documented using the Stage 0 Scope and Budget and Environmental Checklists.** Once an alternative is selected, two sets of preliminary and final plans will be completed. One set will be for identified interim improvements. Then, final plans will be developed for the complete plan as documented in the selected alternative.

Vectura is a subconsultant assisting the AECOM College Drive Team in the traffic data collection and analysis for the project. Vectura performed a review of past traffic studies to compare that data with the current traffic volumes to determine the validity to perform the traffic data collection port COVID-19 traffic restrictions.

Firm Members Involved: **Jonathan McDowell. Lou Costa, Thomas Hunter, Gregory Trahan, Daniel Boyd, Derek Chisholm , Jonathan Giardina, Jonathan Martinez, Jonathan Vavasseur, Zoe Knesl, Gary Hawkins**

RELEVANCY:

- ✓ TEPR Process
- ✓ Environmental Inventory
- ✓ Environmental Checklist
- ✓ Stage 0 Scope and Budget Checklist
- ✓ Multimodal: Bike, Ped. And Transit
- ✓ Alternative Development
- ✓ Cost Estimating

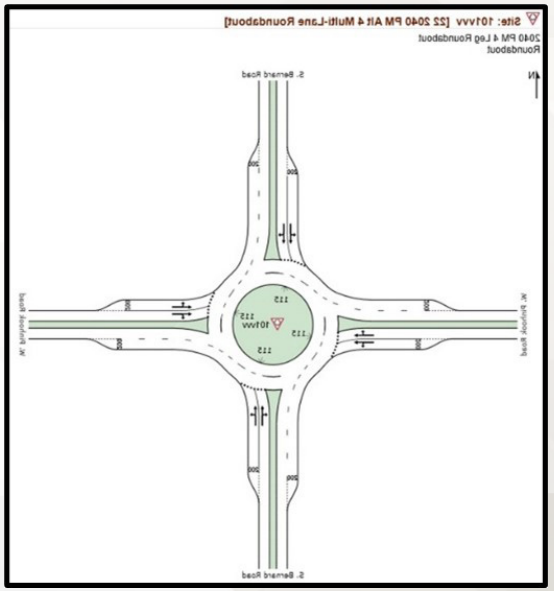
Firm Name	**VECTURA CONSULTING SERVICES, LLC**			Past Performance Evaluation Discipline(s)*	Traffic
Project Name	**Stage 0 Roundabout Feasibility Studies in the Lafayette Area**			Firm Responsibility (Prime or Sub?)	Sub
Project Number	H.004490	Owner's Name		Acadiana Planning Commission	
Project Location	Lafayette, LA		Owner's Project Manager	Chris Cole	
Owner's Address, Phone, Email	101 Jefferson Street, Lafayette, LA 70501; 337.806.9363; ccole@planacadiana.org				
Services Commenced by This Firm (mm/yy)	05/16	Total Consultant Contract Cost ($1,000's)		$200	
Services Completed by This Firm (mm/yy)	09/17	Cost of Consultant Services Provided by This Firm ($1,000's)		$80	

Vectura provided Stage 0 Feasibility Studies for Roundabouts at 10 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 (TEM) Section 20.2.

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

- 7-day (mainlines) and 2-day (side streets) 24-hour tube counts w/classification
- Turning movement counts for morning and evening peak periods
- Radar speed studies



Task 2 Traffic Study

This task included a roundabout study as defined in EDSM VI.1.1.5, VI.1.1.1 and DOTD TEM Section 20.2. This task included the following elements::

- Developed growth rate methodology and AM and PM peak traffic volumes for Implementation Year and Design Year
- Performed Traffic Signal Warrants analyses
- Developed Sidra Analyses for unsignalized, signalized and roundabout alternatives for Implementation and Design Year
- Developed 3-year crash analyses
- Developed Draft Traffic Study Report (2 copies)

Task 3 Safety Analyses

This task included a kickoff meeting by conference call as well as 2 progress conference calls as needed.

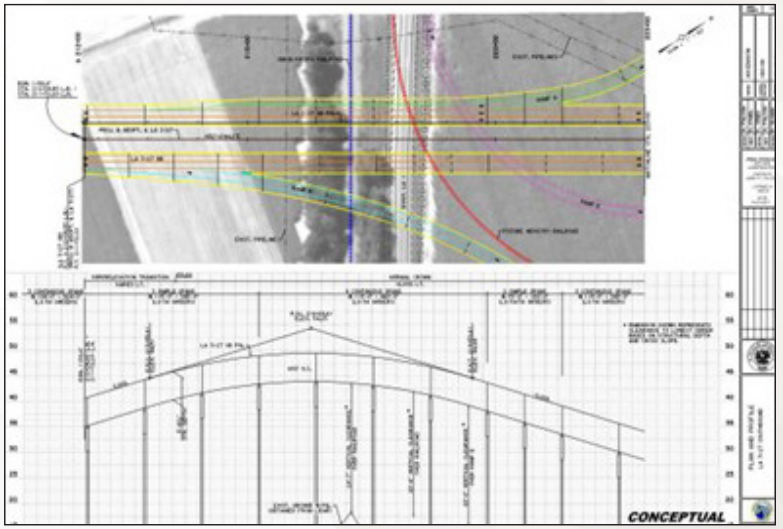
Task 4 Final Traffic Study and Deliverables

Comments from the draft Traffic Study were addressed in this task. Two copies of the Final Traffic Study and electronic files were submitted.

Firm Members Involved: **Kristen Farrington, Brin Ferlito and Laurence Lambert (100% performed in Louisiana)**

Firm Name	**CRESCENT ENGINEERING & MAPPING, LLC**		Past Performance Evaluation Discipline(s)*	Road	
Project Name	**LA 3127 Extension (LA 70 to LA 1) Stage 0 & NEPA Study**		Firm Responsibility (Prime or Sub?)	Prime	
Project Number	H.015688/MA-23-01	Owner's Name	Ascension Parish Government/DOTD		
Project Location	Donaldsonville LA	Owner's Project Manager	Daniel Helms, PE/Jacob Fusilier, PE, PMP		
Owner's Address, Phone, Email	615 E. Worthey Street, Gonzales, LA 70737; 225.450.1013; daniel.helms@apgov.us				
Services Commenced by This Firm (mm/yy)	09/21	Total Consultant Contract Cost ($1,000's)	$196		
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$196		

The LA 3127 Extension project is located south of the city of Donaldsonville within Ascension Parish, LA. The project proposes to construct an 8.5 mile, 4-lane, divided rural roadway through virgin terrain around the city of Donaldsonville, connecting LA 1 near McCall, LA to LA 70 and LA 3127 south of Donaldsonville. The roadway would serve as an evacuation route, remove heavy truck traffic from the historic city and serve as a segment of the future Westbank Expressway connecting I-10 in Port Allen to I-310 in Boutte, LA. The project includes a 180' long, LG-36 girder bridge over Bayou Lafourche adjacent to the existing Palo Alto bridge as well as four (4) other bridge sites consisting of reinforced slab span bridges. The four-lane roadway will initially transition back to the existing 2-lane roadways at LA 1 and LA 70 and a future grade separated interchange is planned at the northern termini where LA 3127 Ext. crosses over LA 1 and the Union Pacific Railroad utilizing a 2400' long bridges with directional ramps, relocation of LA 1 and possibly railroad spurs to enter the Mega-Plex industrial site.



The project's early environmental review involved topographic surveys, SUE, Line and Grade, a **Stage 0 Feasibility Study**, and a NEPA document (Environmental Assessment). Challenges for route selection and design involved numerous underground utilities and industrial pipelines which exist throughout the corridor. Crescent is currently providing project management and overall coordination for the third party contract during the Environmental Assessment (EA) including review of the EA document and the roadway/bridge line and grade studies for consistency with the preliminary design effort, the Energy Transition Parkway Connector roadway to the Mega-Plex site and the **grade separated interchange over LA 1 and the Union Pacific Railroad at the northern termini**.

Crescent has completed the line and grade and design study for the grade separated interchange at the northern termini of the LA 3127 Ext. and its connection to the Mega- Plex's Energy Transition Parkway Connector roadway. This interchange included **dual 2,400 foot long curved bridge** overpass structures at LA 1 and the Union Pacific Railroad (LG 54 and LG 36 girders) which was braided below a 2,200 foot long, curved, relocated LA 1 bridge (LG 36 girders) along with **directional bridge ramps** (steel plate and U-Tub girders) over a proposed Union Pacific Railroad Wye track, and nearly **2 miles of roadway widening and re-alignment** for the interchange. Crescent was responsible for development of bridge and road design criteria, horizontal and vertical alignments, TS&L analysis, surveys, bridge typical sections, general plan/elevation and roadway plan/profile sheets. Upon completion of the EA, Final Plans and R/W maps will begin for the first phase of the LA 3127 Ext from LA 70 to Bayou Lafourche and the R/W will be purchased by DOTD on both phases to preserve the corridor.

Firm Members Involved: **Paul Olivier, Abbey Falcon, James Ledet**

Firm Name	**ELOS ENVIRONMENTAL, LLC**			Past Performance Evaluation Discipline(s)*	Environmental
Project Name	**DOTD Stage 0 IDIQ**			Firm Responsibility (Prime or Sub?)	Sub
Project Number	Multiple H numbers	Owner's Name	DOTD		
Project Location		Owner's Project Manager	Dilton Anderson		
Owner's Address, Phone, Email	1201 Capitol Access RD, Baton Rouge 70802; 225.379.1461				
Services Commenced by This Firm (mm/yy)	08/23	Total Consultant Contract Cost ($1,000's)		Unknown	
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)		$13.1 (to date)	

DOTD contracted with Gresham Smith to provide multiple Stage 0 Checklists through an IDIQ contract for upcoming projects. To date, ELOS has been contracted by Gresham Smith to complete the Stage 0 Checklist for two projects.

The first project is to add two lanes to the intersection of LA 3089 Service Road and LA 70 in Donaldsville, Louisiana (H.010074). The lanes are designed to improve traffic flow and safety. ELOS completed the Stage 0 Checklist providing demographic information, maps, site photologs, and researched outcomes for wetlands, threatened and endangered species, Native American tribes, scenic streams, community information, LDEQ/EPA database information, registered wells, and other environmental concerns.

The second project is to replace Lafourche Bayou Bridge on Willow Street (formerly Old LA 182) in Raceland, Louisiana, thereby increasing safety and providing for vehicular and navigational traffic (H.015616.1). ELOS is completing the Stage 0 Checklist, which includes providing demographic information, maps, site photologs, and researched outcomes for wetlands, threatened and endangered species, Native American tribes, scenic streams, community information, LDEQ/EPA database information, registered wells, and other environmental concerns.

Firm Members Involved: **Lucas Watkins, Cory Ricks, Basile Dardar, Mike Hill, Brian Forstan**

Firm Name	**AECOM TECHNICAL SERVICES, INC.**			Past Performance Evaluation Discipline(s)*	Planning, Environmental, Road, Bridge
Project Name	**Stage 0 Feasibility Study and Report, I-49 Raceland to the West Bank Expressway (24 Stage 0 Reports)**			Firm Responsibility (Prime or Sub?)	Prime
Project Number	H.005171	Owner's Name	DOTD		
Project Location	Lafourche, St. Charles, and Jefferson Parishes, LA	Owner's Project Manager	Quang Nguyen, PE		
Owner's Address, Phone, Email	P.O. Box 94245, Baton Rouge, LA 70804; 225.379.1297; quang.nguyen@la.gov				
Services Commenced by This Firm (mm/yy)	05/10	Total Consultant Contract Cost ($1,000's)	$737		
Services Completed by This Firm (mm/yy)	07/14	Cost of Consultant Services Provided by This Firm ($1,000's)	$737		

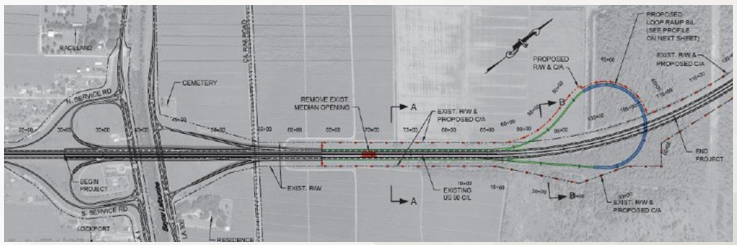
The scope of this project was to identify improvements in the 38.6 mile segment of the US 90 corridor, which is future I-49 South, to improve safety and efficiency and also provide for control of access segments meeting Interstate Standards. Each improvement was developed and presented as a stand-alone Stage 0 feasibility study.

During the course of the project, AECOM facilitated and attended meetings of the DOTD project staff with the elected officials in the Parishes to be served by I-49 and its related roadway improvements.

RELEVANCY:

- ✓ Environmental Checklist
- ✓ Scope and Budget Checklist
- ✓ Alternatives Development

This segment has been the subject of an Environmental Impact Statement within the last decade and received a Record of Decision (ROD) from the FHWA, but the ROD concept is too costly to implement at this time.



The segment includes Stage 0 Projects for interim improvements estimated to cost a total of $240.2 million in 2012 dollars including right- of-way and professional services and Freeway Projects estimated to cost.

a total of $1.1 billion in 2012 dollars. Together, these projects will provide the I-49 South freeway from Raceland to the West Bank Expressway for a combined total of $1.4 billion in 2012 dollars as compared to the 2008 estimate in the ROD of $4.8 billion in 2012 dollars.

An Implementation proposal was prepared and submitted to DOTD in February 2014, which identified NEPA courses of action for the Interim andFreeway projects. FHWA approved this plan, which has led to the advertisement for an SEIS.

Firm Members Involved: **Jonathan Marinez, Lou Costa, Thomas Hunter**

Firm Name	**VECTURA CONSULTING SERVICES, LLC**		Past Performance Evaluation Discipline(s)*	Traffic	
Project Name	**South Range Road Operations Study Stage 0 Feasibility Study**		Firm Responsibility (Prime or Sub?)	Prime	
Project Number	H.972501.1	Owner's Name	New Orleans Regional Planning Commission		
Project Location	Baton Rouge, LA	Owner's Project Manager	Nelson Hollings		
Owner's Address, Phone, Email	10 Veterans Boulevard, New Orleans, LA 70124; 504.483.8523; nhollings@norpc.org				
Services Commenced by This Firm (mm/yy)	12/23	Total Consultant Contract Cost ($1,000's)	$55		
Services Completed by This Firm (mm/yy)	08/24	Cost of Consultant Services Provided by This Firm ($1,000's)	$40		

Vectura performed a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The corridor study included traffic data collection, pedestrian/bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.

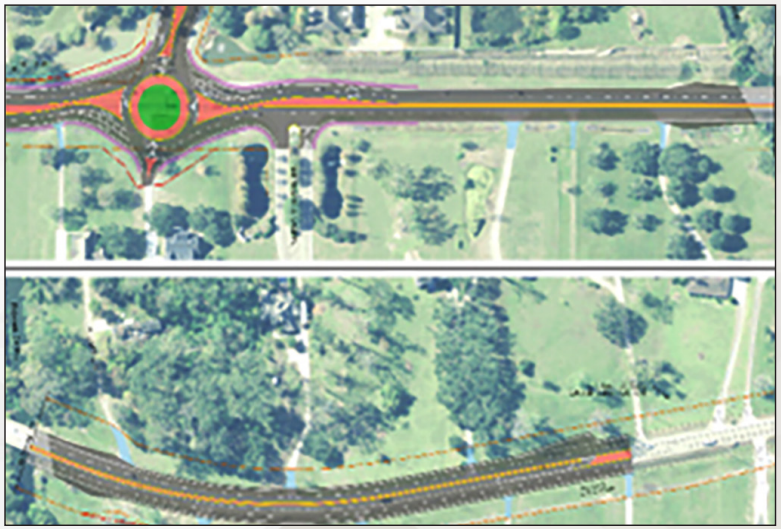
Firm Members Involved: **Laurence Lambert, Brin Ferlito, Kristen Farrington (100% performed in Louisiana)**

Firm Name	**CRESCENT ENGINEERING & MAPPING, LLC**		Past Performance Evaluation Discipline(s)*	Road	
Project Name	**LA 44: Pelican Point Roundabout and Widen**		Firm Responsibility (Prime or Sub?)	Prime	
Project Number	H.015568.5	Owner's Name	DOTD		
Project Location	Ascension Parish	Owner's Project Manager	Jacob Fusilier		
Owner's Address, Phone, Email	1201 Capitol Access Rd., Baton Rouge, LA 70802; 225.379.1185; jacob.fusilier@la.gov				
Services Commenced by This Firm (mm/yy)	08/24	Total Consultant Contract Cost ($1,000's)	$777		
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$557		

The LA 44 Pelican Point Roundabout and Widening project involves **widening 1 mile of existing 2-lane roadway to a 4-lane urban** section with a raised median, directional U-turns, a multi-lane roundabout at Pelican Point Parkway and replacement of the existing RC Slab span bridge over the Panama Canal. The project includes traffic, feasibility, planning/environmental, roadway design, bridge design, geotechnical support and coordination, contract management, and construction support services. The project also includes patching, mill/overlay and reconstruction along the existing LA 44 roadway sections.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for all hydraulic analysis and design, TMP, roadway/J-Turn/roundabout geometrics, public meetings, inroads modeling, bridge design (including inspection, load rating and bridge evaluation report), utility conflict matrices and coordination, permit drawings, and related roadway design aspects of the corridor as well as agency coordination, construction support, geotechnical and environmental coordination, geotechnical boring plans, and plan production for Preliminary and Final plans. Crescent has completed the bridge inspection, load rating and evaluation report, public meetings, boring plans and preliminary geometric layout of the roundabout and roadway corridor and submitted the Preliminary Geometrics .DGN submittal to DOTD. The 60% Preliminary Plans are due in April 2025.

Firm Members Involved: **Paul Olivier, Abbey Falcon, James Ledet**



Firm Name	**AECOM TECHNICAL SERVICES, INC.**			Past Performance Evaluation Discipline(s)*	Planning, Road, Traffic
Project Name	**Lower St. Bernard/Louisiana Terminal Roadway Network and Resilience (Stage 0 and Pel) Study**			Firm Responsibility (Prime or Sub?)	Sub
Project Number	N/A	Owner's Name	Regional Planning Commission		
Project Location	St. Bernard Parish, LA	Owner's Project Manager	Karen Parsons		
Owner's Address, Phone, Email	10 Veterans Blvd. New Orleans, LA 70124; 504.483.8511; kparsons@norpc.org				
Services Commenced by This Firm (mm/yy)	10/24	Total Consultant Contract Cost ($1,000's)	$249		
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$249		

The New Orleans Regional Planning Commission contracted AECOM as a subconsultant to conduct a Stage 0 Feasibility study to evaluate the impacts and assess potential improvements to the surface transportation network in St. Bernard Parish relating to the implementation of the proposed Louisiana International Terminal (LIT) project. The Stage 0 Feasibility study purpose was to:

RELEVANCY:
- ✓ Environmental Inventory
- ✓ Safety Study
- ✓ Purpose and Need
- ✓ Public Coordination
- ✓ Stage 0 Scope and Budget Checklist
- ✓ Multimodal: Bike, Ped. And Transit

1. Develop a baseline of anticipated land use in lower St. Bernard and corresponding trip generation characteristics
2. Conduct a comprehensive assessment of existing and future traffic conditions/operations in lower St. Bernard Parish, including modeling of baseline traffic conditions and comparison with forecasted traffic
3. Develop conceptual alternatives for improving the transportation network in lower St. Bernard Parish to accommodate travel growth
4. Analyze the economic, environmental, community, and transportation-related impacts of different alternatives, including assessment of traffic safety and emergency evacuation impacts compared to the baseline scenario
5. Identify potential vulnerabilities associated with each alternative to include weather events, natural disasters, and changing conditions, including sea level rise; and to develop conceptual elements that will enhance infrastructure and/or community resilience
6. Analyze the financial feasibility of conceptual scenarios and provide recommendations for phased implementation and potential funding sources for conceptual improvements
7. Proactively engage residents and stakeholders and solicit feedback through a robust community input process

As a sub AECOM had many assignments to develop and complete the Stage 0. These assignments included:

- ▶ Analyzed the existing safety of the study area of St. Bernard. This included the review of vehicle crashes along the major coridors within the Study Area, the review of pedestrian and bicycle crashes/fatalities
- ▶ Analyzed both the existing and proposed rail traffic through the corridor
- ▶ Analyzed the feasibility to extend an interstate into the project area
- ▶ Assisted in the development of alternatives to be studied,
- ▶ Assisted in the Purpose and Need statement
- ▶ Assisted in the production of the Final Report for the Stage 0
- ▶ Assist in the PEL Report
- ▶ Participated in the public meetings

Firm Members Involved: **Jonathan McDowell, Gregory Trahan, Derek Chisholm, Thomas Hunter**

Firm Name	**AECOM TECHNICAL SERVICES, INC.**			Past Performance Evaluation Discipline(s)*	Planning, Road, Traffic
Project Name	**DOTD Safety IDIQ (Stage 0 Studies)**			Firm Responsibility (Prime or Sub?)	Sub
Project Number	N/A	Owner's Name	DOTD		
Project Location	Statewide, LA		Owner's Project Manager	Adriane Mcrae	
Owner's Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA; 225.379.1950; adriane.mcrae@la.gov				
Services Commenced by This Firm (mm/yy)	11/11		Total Consultant Contract Cost ($1,000's)	$208	
Services Completed by This Firm (mm/yy)	10/14		Cost of Consultant Services Provided by This Firm ($1,000's)	$208	

LA 935 Stage 0 Study

RELEVANCY:
- ✓ Environmental Inventory
- ✓ Environmental Checklist
- ✓ Stage 0 Scope and Budget Checklist
- ✓ Multimodal: Bike Ped. and Transit

AECOM, as a subconsultant, performed a Stage 0 Feasibility Study in accordance with the results of the Road Safety Assessment (RSA). The study area is approximately a 4-mile segment of LA 935 from LA 431 to LA 22 in Ascension Parish. From the RSA, three proposed alternatives were to be considered for a Stage 0. The alternatives included the realignment of LA 935 within the portion paralleling Black Bayou, the removal of LA 935 (Stringer Bridge) bridge at Black Bayou, and the addition of a bulkhead along Black Bayou adjacent to LA 935 to provide a recovery area. AECOM was tasked to develop 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 will allow 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.

US 167 (Johnston Street) Stage 0 Study

The US 167 (Johnston Street) Corridor Study collected and analyzed data to help develop immediate, short-term, and long-term recommendations in accordance with "DOTD's Stage 0: Manual of Standard Practice" for the Johnston St. (US 167) corridor between Coulee Mine Bayou Bridge and Cajundome Avenue. AECOM was tasked to identify crash trends, develop collision diagrams, determine the effectiveness of counter measures in alternative concepts, and identify and assemble environmental conditions along the corridor into a GIS database.

LA 49 (Williams Blvd.) Stage 0 Corridor Study

The LA 49 (Williams Blvd.) Corridor Study collected and analyzed data to help develop immediate, short-term, and long-term recommendations in accordance with "DOTD's Stage 0: Manual of Standard Practice" for the Williams Blvd. (LA 49) corridor between Airline Highway and 32nd Street which is just north of Interstate 10. AECOM was tasked to identify crash trends, develop collision diagrams, determine the effectiveness of counter measures in alternative concepts, and identify and assemble environmental conditions along the corridor into a GIS database.

Firm Members Involved: **Jonathan McDowell, Lou Costa, Gregory Trahan**

Firm Name	**VECTURA CONSULTING SERVICES, LLC**		Past Performance Evaluation Discipline(s)*	Traffic	
Project Name	**Stage 0 Feasibility Study-US 190/Fremaux Avenue Sidewalk Study**		Firm Responsibility (Prime or Sub?)	Sub	
Project Number	H.972462.1	Owner's Name	New Orleans Regional Planning Commission		
Project Location	Slidell, LA	Owner's Project Manager	Nelson Hollings		
Owner's Address, Phone, Email	10 Veterans Boulevard, New Orleans, LA 70124; 504.483.8523; nhollings@norpc.org				
Services Commenced by This Firm (mm/yy)	12/23	Total Consultant Contract Cost ($1,000's)	$65		
Services Completed by This Firm (mm/yy)	07/24	Cost of Consultant Services Provided by This Firm ($1,000's)	$30		

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

Task 1 Data Collection

Vectura collected the following traffic data for 10 intersections:

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

Task 2 Traffic Study

This task included the following elements:

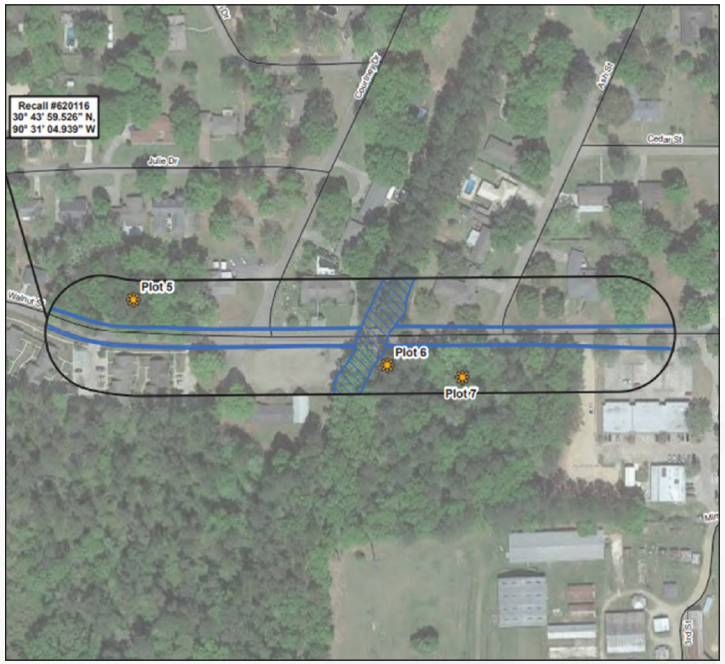
- Performed Synchro analyses for existing conditions
- Performed Synchro analyses for implementation and design years
- Developed draft traffic study report

Task 3 Safety Analyses

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

Firm Members Involved: **Kristen Farrington, Brin Ferlito and Laurence Lambert (100% performed in Louisiana)**

Firm Name	**ELOS ENVIRONMENTAL, LLC**		Past Performance Evaluation Discipline(s)*	Environmental	
Project Name	**Roadway Pavement Rehabilitation Work for Tangipahoa Parish**		Firm Responsibility (Prime or Sub?)	Prime	
Project Number		Owner's Name	Tangipahoa Parish Government		
Project Location	Tangipahoa Parish, LA	Owner's Project Manager	Kevin Greer		
Owner's Address, Phone, Email	Mulberry Street, Amite City, LA 70422; 985.634.0706; kgreer@tangipahoa.org				
Services Commenced by This Firm (mm/yy)	01/23	Total Consultant Contract Cost ($1,000's)	$21		
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$21		



ELOS Environmental, L.L.C. (ELOS) has been contracted by the Tangipahoa Parish Government to conduct Stage 0 Environmental Checklists for three separate roadway segments located in south Tangipahoa Parish, Louisiana. This project aims to thoroughly assess the potential impacts of the proposed projects on the human and natural environment. **The Stage 0 Environmental Checklist** process involves a comprehensive review of the projects, data collection, and evaluation of various environmental factors. ELOS professionals will gather data on infrastructure, land use, hydrological features, vegetation, wildlife, and other relevant factors for each roadway segment. Additionally, site visits to each roadway location will be conducted to obtain first-hand information and better understand the existing conditions.

The collected data will be meticulously analyzed to assess the potential environmental impacts of the proposed roadway projects. ELOS professionals will evaluate factors such as air and water quality, noise levels, biodiversity, and habitat disruption. By completing the Stage 0 Environmental Checklists, ELOS will document the findings, identify potential issues, and propose mitigation measures to minimize adverse effects. Compliance with environmental regulations and guidelines will be a key focus throughout the assessment process. The Stage 0 Environmental Checklists will serve as a basis for informed decision-making, ensuring that the Tangipahoa Parish Government is equipped with comprehensive information and recommendations regarding the potential impacts of the roadway projects on the human and natural environment.

Firm Members Involved: **Mike Hill, Cory Ricks**

Firm Name	**CRESCENT ENGINEERING & MAPPING, LLC**		Past Performance Evaluation Discipline(s)*	Road	
Project Name	**LA 3127 Widening (LA 20 to LA 3213)**		Firm Responsibility (Prime or Sub?)	Prime	
Project Number	50-J47-21-01	Owner's Name	St. James Parish Government (DOTD)		
Project Location	Vacherie, LA	Owner's Project Manager	Ryan Larousse/Jacob Fusilier (DOTD)		
Owner's Address, Phone, Email	5800 LA Hwy 44, Convent, LA 70723; 225.206.1379; ryan.larousse@stjamesparishla.gov				
Services Commenced by This Firm (mm/yy)	04/22	Total Consultant Contract Cost ($1,000's)	$1,525		
Services Completed by This Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by This Firm ($1,000's)	$1,180		

The LA 3127 Widening project involves **widening 3.5 miles of existing 2-lane roadway to a 4-lane divided** section with a 64' wide, depressed median, directional U-turns, Restricted Crossing U-turns (R-CUT's) and multi-lane roundabouts at LA 3213 and LA 20. The project includes traffic studies, feasibility, planning/environmental, topographic surveys, roadway design, geotechnical, contract management, and construction support services. The traffic study was prepared in accordance with DOTD TEPR guidelines and all project scoping including survey and roadway design is in accordance with DOTD design guidelines and requirements for plan production due to current state funding and anticipated federal funding.

Crescent Engineering & Mapping, LLC is the prime consultant for the project and is responsible for all topographic surveying, hydraulic analysis and design, **Level 3 TMP**, roadway/J-Turn/roundabout **geometrics, property surveys, R/W mapping**, inroads modeling, utility coordination, **permit drawings, patching, mill/overlay and reconstruction** of the existing LA 3127 roadway, agency coordination, construction support, geotechnical and environmental coordination, and plan production for Preliminary and Final plans. The project's design and drawings are being developed per DOTD design guidelines and plan requirements using Microstation/Inroads. Crescent has completed all surveying and traffic studies associated with the intersection improvements as well as the 90% Preliminary Plans. The 100% Preliminary Plans are due in April 2025. The project is being reviewed by DOTD and FP&C at all submittal stages.

Firm Members Involved: **Paul Olivier, Abbey Falcon, James Ledet**

Firm Name	**AECOM TECHNICAL SERVICES, INC.**		Past Performance Evaluation Discipline(s)*		Planning, Environmental, Road, Traffic
Project Name	**Stage 0 Feasibility Study and Report, US 61/Tulane Avenue Carrollton Avenue to Claiborne Avenue**		Firm Responsibility (Prime or Sub?)		Prime
Project Number	State Project No. 700-36-0187; RPC Project; No. US61-0	Owner's Name	NORPC		
Project Location	New Orleans, LA	Owner's Project Manager	Walter Brooks		
Owner's Address, Phone, Email	10 Veterans Memorial Blvd. New Orleans, LA 70124; 504.483.8500; wbrooks@norpc.org				
Services Commenced by This Firm (mm/yy)	10/10	Total Consultant Contract Cost ($1,000's)	$155		
Services Completed by This Firm (mm/yy)	02/14	Cost of Consultant Services Provided by This Firm ($1,000's)	$155		

AECOM prepared a Stage 0 Feasibility Study for a 1.8-mile segment of the US 61/Tulane Avenue corridor which spans from Carrollton Avenue to Claiborne Avenue in Orleans Parish. This Stage 0 evaluation supports economic development and addresses roadway preservation, traffic safety and operational issues, pedestrian safety, alternatives for enhanced transit service (i.e. bus-rapid transit) and Transportation System Management (TSM) needs. Alternative typical sections and intersection improvements were identified to support adjacent land use while enhancing pedestrian safety and transit system operations. TSM considerations included geometric improvements, transit priority measures, and enhancements to the pedestrian and visual environment.

RELEVANCY:

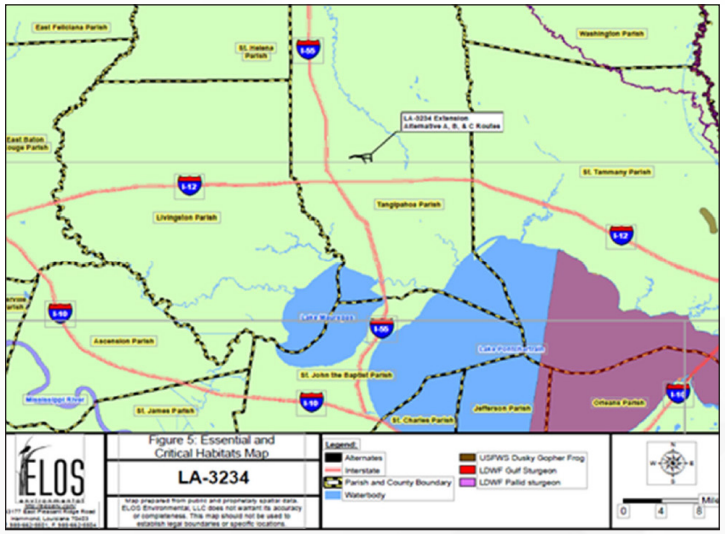
- ✓ Traffic Forecasts
- ✓ Traffic Modeling/VISSIM
- ✓ Environmental Inventory
- ✓ Environmental Checklist
- ✓ Complete Streets
- ✓ Multimodal: Bike Ped. and Transit
- ✓ Alternatives Development
- ✓ Stakeholder/Public Engagement
- ✓ Cost Estimating

This study addressed additional traffic generated from new commercial and residential development along Tulane Avenue, including 1,200 new housing units, the Veterans Affairs Medical Center (VAMC), and the University Medical Center (UMC). Improvement alternatives were defined that are consistent with DOTD's Complete Streets concept that enhanced pedestrian bike and transit system operations. Access management concepts were also included to improve traffic operations and safety. A conceptual engineering map atlas was prepared to present the proposed geometric improvements for the corridor; landscaping plans and improvements to the existing bus transit system. The proposed geometric and landscaping improvements were developed through collaboration with a stakeholder committee comprised of various Federal, State, City, and private entities. Under the direction of the stakeholder committee, a recommended minimum build alternative was identified because it provides the desired "corridor vision" and associated amenities at a lower cost compared to complete reconstruction. Preliminary cost estimates and implementation phases, for construction and landscaping, were also developed to provide a feasible timeframe and expenditure schedule. Additionally, a VISSIM simulation was developed to provide a visual tool for illustrating traffic operations under existing and proposed geometric conditions. The VISSIM simulation incorporated additional traffic generated from the proposed development, changes in roadway geometry (number of through lanes, additional turn lanes, etc.), additional traffic signals, and improved traffic signal timings.

A GIS inventory of environmental resources along the corridor was also developed. This inventory was used to identify potential environmental constraints or issues associated with the conceptual roadway and intersection layouts. Preliminary landscaping plans were also developed in collaboration with the stakeholder committee.

Firm Members Involved: **Jonathan McDowell, Derek Chisholm , Gregory Trahan**

Firm Name	ELOS ENVIRONMENTAL, LLC			Past Performance Evaluation Discipline(s)*	Environmental
Project Name	LA-3234 Extension			Firm Responsibility (Prime or Sub?)	Sub
Project Number	H.008915	Owner's Name	Regional Planning Commission		
Project Location	Tangipahoa Parish, LA	Owner's Project Manager	Bruce J. Richards		
Owner's Address, Phone, Email	2750 Lake Villa Drive, Metairie, LA 70002; 504.885.0500 ext. 108; brichards@n-yassociates.com				
Services Commenced by This Firm (mm/yy)	01/17	Total Consultant Contract Cost ($1,000's)	$100		
Services Completed by This Firm (mm/yy)	08/19	Cost of Consultant Services Provided by This Firm ($1,000's)	$100		



ELOS was contracted to provide environmental services for LA-3234 Extension from LA-1065 to the Hammond Airport. These services included preparing estimates of environmental mitigation cost where ELOS estimated the cost of mitigation of any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation. A wetland delineation was performed to establish an opinion on the presence and potential extent of jurisdictional "wetlands" and/or "other waters of the U.S." in accordance with the requirements of the U.S. Army Corps of Engineers. A Phase I Environmental Site Assessment was conducted based on the information contained in the feasibility study. The Phase I ESA has four components: Records Review, Site Reconnaissance, Interviews, and Reporting. During ELOS's field surveys, a Biological Survey was conducted for threatened and/or endangered species suspected to be in the project area. ELOS confirmed all federally and state listed species within the project area prior field surveys via desktop investigation.

Firm Members Involved: **Lucas Watkins, Cory Ricks, Brian Forstan**

Section 18

Stage 0 Feasibility Study and Report and EA, LA 511 Red River Bridge at Jimmie Davis Highway

AECOM prepared a Stage 0 Feasibility Study, the first step in DOTD Project Development, to explore the provision of the improvements to the crossing. Tasks included data collection, a windshield site visit, a draft Purpose and Need statement, development of design criteria, alternative analysis, traffic analysis, noise analysis, cost estimating, and review of environmental data for any potential environmental issues that may negatively affect the project.

18. Approach and Methodology

AECOM Technical Services, Inc. (AECOM) understands that DOTD seeks a consultant to assist its Planning Division and other staff in performing Stage 0 Feasibility and Scoping Studies for projects under consideration by DOTD.

AECOM's local engineers, planners, and environmental professionals in Louisiana offices are very familiar with the scope and performance of Stage 0 Feasibility Studies and environmental inventories to support the Stage 0 process and Environmental Checklist. AECOM has performed Stage 0 Feasibility Studies or similar transportation studies for the DOTD, MPOs and local municipal governments throughout the State for over decades. Many of these projects have or are successfully progressing through the various stages of project delivery. These studies include the projects identified in Section 18 and listed in the table below.

AECOM proposes to perform most of the engineering and environmental services on the project, including any traffic safety analyses. To assist in providing a comprehensive team to DOTD, AECOM proposes three additional firms, Vectura Consulting Services, Crescent Engineering & Mapping, and ELOS Environmental. AECOM has an excellent working relationship with each firm and is excited to team with them on this IDIQ contract. When it adds value for the DOTD, AECOM will reach out to resources beyond Louisiana to assist in providing specialized technical resources not locally available within its current staff. Usually, these resources are knowledgeable in special topics of interest to the project or can provide innovation to the assigned project.

Vectura will perform traffic data collection and analysis and review the geometric layouts. Vectura brings a thorough understanding and experience with the TEPR Process. AECOM has built a longstanding and trusted relationships with the staff at Vectura. Several of the Stage 0 projects highlighted in Section 18 were completed with the core team members of Jonathan McDowell, Lou Costa, Gregory Trahan, Thomas Hunter, Jonathan Martinez, and Brin Ferlito. Additionally, we worked with Laurence Lambert on the Baton Rouge Loop EIS and Florida Avenue Bridge. Since that time, we have been working with Vectura on College Drive, Jones Creek, and I-10/Loyola Interchange Design-Build Tender Offer.

Crescent Engineers will support concept development, roadway design, cost estimating, and will provide survey services. Their staff have many years of roadway design experience with the DOTD, and AECOM staff will collaborate with them on project development. ELOS is also part of the AECOM team, providing additional, local experience in environmental investigations. AECOM and ELOS staff will work together to efficiently gather the necessary environmental information and understand its implications for project schedules and costs.

STAGE 0s			SERVICES							
Primary Name	Location	Years	Traffic	Safety	Signals	Rail	Wetlands	Bridge	Bike Ped	Other
College Drive	Baton Rouge	2020-Ongoing	✓	✓			✓		✓	TEPR, Green I. COA
I-210 Corridor Study Route I-210	Lake Charles	2006-2007	✓	✓	✓		✓	✓		
I-49 South	Raceland to the WBE	2010-2014	✓	✓	✓	✓	✓			24 Stage 0s
I-49 South	Ricohoc to Berwick	2010-2013	✓	✓	✓			✓		16 Stage 0s, Farm Access 4(f)
La 935 Stringer Bridge Road	Ascension Parish	2012-2013	✓	✓						Utilities, Right-of-Way
Johnston Street (US 167)	Lafayette	2014	✓	✓	✓		✓			COA
Louisiana International Terminal (Conceptual Plans)	St. Bernard Parish	2019-2022	✓	✓		✓	✓	✓	✓	Funding Study
Louisiana International Terminal Highway Access Study	St. Bernard Parish	2021-2024	✓	✓	✓	✓	✓	✓	✓	Funding Study
US 61	Tulane Avenue	2010-2014	✓	✓	✓				✓	Green I. Streetscape, Transit
LA 49	Williams Boulevard	2014	✓	✓	✓					COA
Downtown Multimodal Traffic Analysis	New Orleans	2016-2019	✓	✓	✓				✓	Transit, Green I, Streetscape
Jimmie Davis Bridge	Shreveport-Bossier City	2013-2015	✓	✓	✓				✓	Historic Bridge, Migratory Birds, 4(f)
City of Baton Rouge	20-CP-HC-0044 Jones Creek Rd.	2020-Ongoing								
Westside Expressway	West Baton Rouge, Iberville, & Ascension Parishes	2015-2017	✓	✓						
I-20 Benton Road to 220	Shreveport	2006-2009	✓	✓						MOT, Interchange Design
Andrew Higgins	New Orleans	2006-2007	✓	✓	✓				✓	Transit, Streetscape
LA 637	Port of South Louisiana	2007-2009	✓	✓	✓	✓	✓			Stage 0 and EA, Site Access
Weinberger Road	St. Bernard Parish	2006-2008	✓	✓	✓	✓				
US 190	Barrier Feasibility Study	2016-2017	✓	✓						
Nicholson Gateway	Traffic Study and Campus Masterplan	2011-2013	✓	✓	✓	✓			✓	Transit, Roundabouts

AECOM's Quality Management Plan

AECOM's Quality Control and Quality Assurance (QA/QC) program, internally named Quality Management System (QMS) is well aligned with DOTD policy and is currently being used on other DOTD projects. AECOM's QMS is ISO 9001 certified. AECOM's QMS policy meets or exceeds the directives provided in the DOTD's QC/QA policy. Subconsultants are integrated into the project communication process thru weekly project coordination. Individual subconsultant resources are expected to work as an extension of and inclusive with AECOM's staff resources. As such, subconsultants are expected to be fully trained in the AECOM QMS policy and to participate in the Discipline QC and Inter-Discipline QC reviews.

Highly Qualified Project Manager

AECOM proposes Gregory Trahan, PE, RSP1 as the Project Manager. Gregory has almost 20 years of engineering experience with over 10 years of project management experience in a variety of transportation projects in Louisiana and other southern states. Gregory has been an established Project Manager and Engineer for numerous DOTD Stage 0 projects as well as one of AECOM's Project Managers for other DOTD design and environmental services contracts. Throughout his career he has completed several courses offered by LTRC and DOTD, specifically the modules for the Highway Safety Manual, Traffic Engineering Process and Report, Access Management Techniques and Federal Aid Highways. He has been involved in all phases of project delivery from inception through construction, with DOTD and other government and private sector clients.

During his tenure with AECOM, Gregory has maintained a working relationship with members from Vectura. Gregory's core staff and members of Vectura have worked on several Stage 0 studies, Environmental Assessments (EAs), Environmental Impact Statements (EISs), and design plan development for DOTD projects throughout his career with AECOM and is excited about the opportunity to work with DOTD developing future projects to address Louisiana's transportation system needs.

Experienced Multi-Disciplinary Staff with Long History of Working Together

Gregory will be supported by a seasoned multi-disciplinary staff of engineers, planners, PTOE's, and environmental professionals who have a long history of working together with significant Stage 0 experience as indicated in the Organization Chart including Jonathan McDowell, Derek Chisholm, Lou Costa, Thomas Hunter, Jonathan Martinez, Lucas Watkins, Brin Ferlito, and Laurence Lambert.

AECOM has four local environmental professionals; Jonathan McDowell Lou Costa, Derek Chisholm, and Thomas Hunter, that have taken the NHI Course NEPA and Transportation and Decision Making and have successfully performed environmental inventories and other studies for Stage 0 and NEPA documents. Lou and Thomas led EAs and EISs for some of the largest projects in DOTD's program including four segments of I-49 South from Lafayette to New Orleans, I-69, East-West Connector EIS, LA 318 Interchange EA, and the Baton Rouge Loop EIS. In additional to these NEPA actions, all three have led the environmental inventory tasks for numerous Stage 0 Scope and Budget and Environmental Checklists. They are also supported by other experienced environmental professionals in Louisiana.

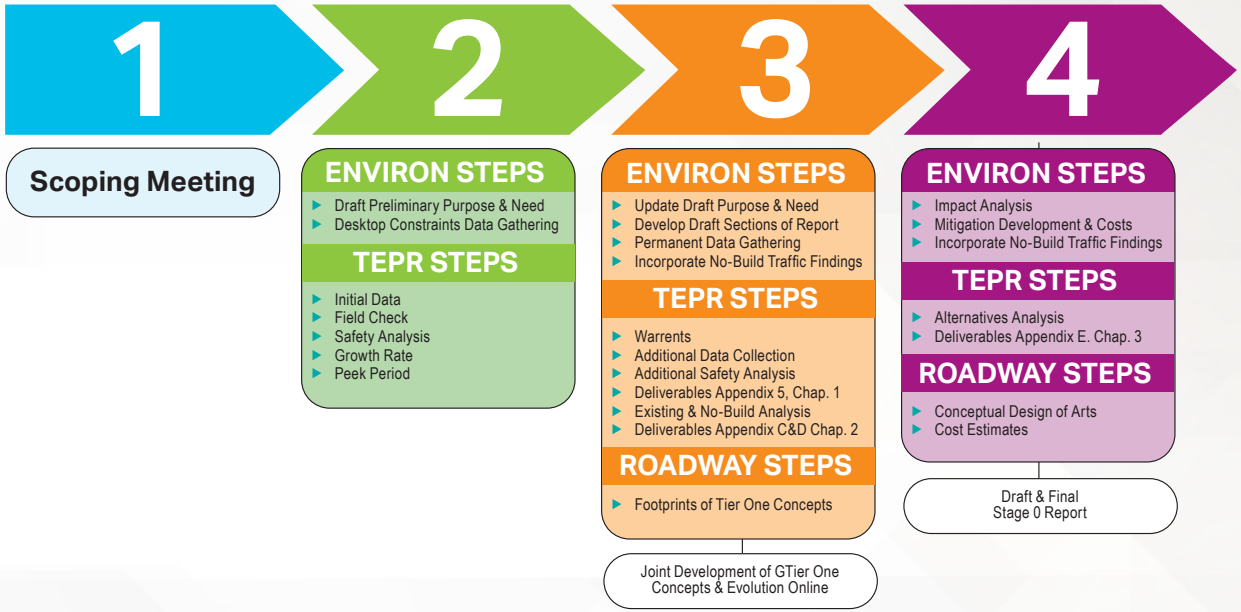
Proven Approach to Successful Delivery of Stage 0 Feasibility Studies

AECOM has developed a standard approach to Stage 0 projects using the DOTD Stage 0 Manual of Standard Practice and lessons learned from its past experiences on Stage 0 studies and other Design Study projects. Whether it is a complex project with numerous environmentally sensitive impacts and mitigation requirements or a relatively simple project with minimal concerns, AECOM stands ready to provide sensible, constructible solutions that can move a project into the next stages of project delivery. As defined in the Stage 0 Manual of Standard Practice, Stage 0 is the first step in DOTD's Project Delivery Process. The purpose of the Stage 0 study is to determine the feasibility of a project and whether it should continue through the DOTD's project delivery process.

Project Scoping Meeting

AECOM's first step will be to attend a Project Scoping Meeting with DOTD to more deeply understand the project, its history, purpose and need, and other specifics of the project as expressed by the Department's Project Manager. At the scoping meeting, AECOM and DOTD will review what project information is readily available; review expected goals; confirm the duration of the project, confirm the project limits, identify missing information needed to determine feasibility and who will provide it, if it can be provided, and identify specific deliverables, design criteria, milestones, contact protocols, and meetings. Based on our prior experience, the scoping meeting is critical as Stage 0 projects vary significantly in size and complexity, from dense urban areas to rural sections, and developing a well defined scope with concurrence early on is critical. Ideally, this scoping meeting would be held concurrent with the Traffic Kickoff Meeting as defined in the TEPR process. Following the meeting(s), the typical Stage 0 Study will progress as follows:

WORKFLOW



Develop Purpose and Need Statement

AECOM will develop a Draft Purpose and Need statement based on the information provided at the project scoping meeting. This Draft Purpose and Need statement will guide the work plan for the study and alternatives development. Based on our experience, failure to draft a reasonable Purpose and Need and get consensus could result in wasted effort in the alternatives development process. An example includes LA 115 from I-49 to Bunkie where the original Purpose and Need was for additional capacity (adding an additional lane in each direction). Through the study process it was determined that additional capacity was not required, and the Purpose and Need needed to be changed to improve connectivity and safety resulting in very different alternative solutions. Although the Purpose and Need will begin at the scoping meeting, it could be refined as the project progresses through data collection and additional traffic information is developed. Concurrent with the Draft Purpose and Need, AECOM will collect and review existing and previous data either provided by DOTD or collected by the AECOM team through publicly available sources. The types of existing data will include, but may not be limited to the following:

- Existing Traffic Studies and Traffic Data Collection. If we know a project will track through the delivery process quickly, it may make sense to get all of the traffic data up front, but phased as per TEPR. If there is limited funding and we have some available data, we may consider a scaled down scope to specifically analyze the Purpose and Need of the project. The goal is to be efficient and limit the need for rework in later project delivery stages.
- The Existing Safety Report will be based of crash data available through the CRASH1 database or other databases where crash data is available. The Existing Safety Analysis can commence after the Traffic Kickoff Meeting and continue to its completion, which we plan to occur prior to significant development of the alternatives.
- AECOM will review any available As Built Plans and ROW Maps of the corridor or roadway to understand the existing conditions of the corridor and roadway construction.
- AECOM will coordinate with the local utilities to collect utility maps and information that would be necessary beyond what can be found on publicly available aerials. While utility impacts will mostly be limited to significant relocations, it's important to be thorough in the beginning stages of the project to limit unknown issues that could be realized in design, or worse, construction. On LA 935, an alternative was developed to realign the roadway which would have caused moving a transmission pole. The cost to move the pole was almost equal to the cost of the roadway. In this case, the

cost to move the pole was considered reasonable when evaluated against the other alternatives.

- If available, The AECOM Team will review previous studies that have occurred along the corridor that would provide further insight into the project or would provide input into the alternatives analysis.
- Unit Cost Data would be gathered from the DOTD Weighted Average Unit Price list or current bid tabs of similar projects in a similar region of the state
- The AECOM Team will use publicly available Mapping and Aerial Photography, DOTD provided imagery if available, and data from other providers as needed.
- The AECOM Team will perform a desktop review of the various datasets that provide information for the environmental checklist as well as other publicly available sources that will provide an accurate inventory of environmental conditions.

Following the desktop review of available data, AECOM will perform a windshield survey of the area to confirm initial desktop findings, observe operations, and investigate any potential significant issues. This survey provides an opportunity for the project team to view any potential physical obstructions or features that would affect or alter the results of any initial alternatives analysis. Following the windshield survey, AECOM and ELOS' staff would check the data collected and complete/update the environmental inventory to identify and document environmentally sensitive resources within or in the vicinity of the project limits that may be impacted by the project that were not identified in the desktop inventory.

Development of Alternatives/Geometric Layouts will follow the windshield survey and proceed concurrent with the Existing and No Build Traffic Analyses, AECOM and Crescent's staff will develop Typical Sections and Geometric Layouts using DOTD Minimum Design Guidelines, EDSMs, AASHTO Green Book, AASHTO Roadside Guidelines, DOTD Complete Streets Policy, and other design standards, procedures, codes, and guidelines where applicable.

AECOM will also confirm when applicable that designs can be compliant with ADA and are consistent with best practices and guidelines for bicycles, pedestrians, and transit stops. While there will be a desire to start the geometric layout task earlier in the project, it is important that the data collection that will inform the geometric layouts occur to limit rework and provide for a more efficient workflow. Upon developing geometric layout alternatives, AECOM would meet with DOTD staff to show its progress and receive comment on the alternatives to determine which alternatives are desirable to move forward for further consideration.

Following receipt of DOTD input and the existing and no build analysis findings at the Existing and No Build Meeting, AECOM would refine the geometric layouts and perform a preliminary traffic alternatives analysis to evaluate and further refine the alternatives. Following the preliminary traffic alternatives analysis meeting, AECOM will establish approximate ROW footprints for each alternative based on a standard template and depict on the geometric layouts.

Cost Estimating

AECOM and Crescent Engineers will develop preliminary Cost Estimates for Each Alternative. A Preliminary Construction Cost will be estimated with DOTD unit costs and historical bid tab information. Unit costs will also be developed for utility relocations when known. ROW Acquisition and relocation costs will be developed based on currently available appraisals and estimated based on the calculated ROW footprint developed in the alternatives analysis. The potential Environmental mitigation requirements and their probable cost, as well as the cost of the expected NEPA analysis, will be estimated and compared with a typical percent of construction costs value. The Engineering, Environmental, and Contingencies cost will be estimated based on a percent of the construction costs as well as could be estimated depending on the definition of the project.

AECOM would facilitate a constructability review and development of the Final Alternatives Analysis Meeting. The review would include all concerns with the project: impacts to adjacent land uses, environmental impacts, constructability, hydrology and drainage, maintenance of traffic, specific design issues, bridge types, safety issues, potential need for design exceptions or waivers, potential funding sources, stakeholder coordination, funding opportunities or other project related concerns. Following the meeting, a Draft Report would then be completed which would assemble all of the data produced during the study and organize each of the refined Stage 0 checklists and materials into a complete report that will inform further stages of project development. Following DOTD comments on the draft report, the Final Report would be submitted to complete the task order.

Section 19

WORKFLOW

19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
AECOM TECHNICAL SERVICES, INC.	Bridge	H.015603.5	LA 641 Bridge Load Rating Services	$95,340
AECOM TECHNICAL SERVICES, INC.	Bridge	H.009859.5	TO#1 Bridge Load Rating Services	1,009,026
AECOM TECHNICAL SERVICES, INC.		H.004273.5	I-49 Connector	See below
AECOM TECHNICAL SERVICES, INC.	Planning		Tasks 1, 5, 6, 12	514,486
AECOM TECHNICAL SERVICES, INC.	Traffic		Task 2	34,207
AECOM TECHNICAL SERVICES, INC.	Road		Task 4	14,923
AECOM TECHNICAL SERVICES, INC.	Bridge		Task 8	5,335
AECOM TECHNICAL SERVICES, INC.	Environmental		Task 10	N/A
AECOM TECHNICAL SERVICES, INC.	Bridge		Task 301	N/A
AECOM TECHNICAL SERVICES, INC.	Bridge		Task 302	95,000
AECOM TECHNICAL SERVICES, INC.	Bridge		Task 408	122,179
AECOM TECHNICAL SERVICES, INC.	Bridge	H.011969.5	Contract 1 for Movable Bridges (LA 1264)	555,400
AECOM TECHNICAL SERVICES, INC.	Bridge	H.012044.5	Contract 1 for Movable Bridges (LA 384)	400,181
AECOM TECHNICAL SERVICES, INC.	Bridge	H.011988.5	Contract 1 for Movable Bridges (LA 86)	490,008
AECOM TECHNICAL SERVICES, INC.	Bridge	H.011973.5	Contract 1 for Movable Bridges (LA 315)	483,440
AECOM TECHNICAL SERVICES, INC.	Bridge	H.012737.5	Contract 1 for Movable Bridges (LA 433)	483,440
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016313	LA 1206: Creek Bridge	122,717
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016315	LA 463: Drain Bridge	122,717
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016316	LA 499: Ice Branch Bridge	122,717
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016317	LA 1234: Drain Bridges	245,433

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016321	LA 970: Creek Bridge	$122,717
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016322	LA 81: W-11 Lateral & Bayou Black Brs	245,433
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016323	LA 37: Glass Branch Bridge	122,717
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016324	LA 1047: Drain Bridge	122,717
AECOM TECHNICAL SERVICES, INC.	Road	4400023921 H.016326	LA 36: Drain Bridge	122,717
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016313	LA 1206: Creek Bridge	41,888
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016315	LA 463: Drain Bridge	41,888
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016316	LA 499: Ice Branch Bridge	41,888
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016317	LA 1234: Drain Bridges	83,775
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016321	LA 970: Creek Bridge	41,888
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016322	LA 81: W-11 Lateral & Bayou Black Brs	83,775
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016323	LA 37: Glass Branch Bridge	41,888
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016324	LA 1047: Drain Bridge	41,888
AECOM TECHNICAL SERVICES, INC.	Environmental	4400023921 H.016326	LA 36: Drain Bridge	41,888

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
VECTURA CONSULTING SERVICES, LLC	Traffic	4400017293 H.010616	I-20: LA 544 Overpass Replacement	$74,429
VECTURA CONSULTING SERVICES, LLC	Traffic	4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	59,571
VECTURA CONSULTING SERVICES, LLC	CE&I/OV	4400020018 H.007160	EBR Computerized Traffic Signal, Ph VB	66,032
VECTURA CONSULTING SERVICES, LLC	Traffic	H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	11,202
VECTURA CONSULTING SERVICES, LLC	Traffic	4400021519 H.012030.5	KCS RR Overpasses HBI	572
VECTURA CONSULTING SERVICES, LLC	Traffic	4400023075 H.013522	S. Lewis Street Widening	7,499
VECTURA CONSULTING SERVICES, LLC	ITS	4400017922 H.012845.1	C/AV Team and Working Group Support	6,820
VECTURA CONSULTING SERVICES, LLC	Traffic	4400025299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	17,303
VECTURA CONSULTING SERVICES, LLC	Traffic	4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	20,146
VECTURA CONSULTING SERVICES, LLC	ITS	4400016364 H.014511.1	Houma Regional ITS Architecture Update	10,746
VECTURA CONSULTING SERVICES, LLC	Traffic	4400025299 H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	265,766
VECTURA CONSULTING SERVICES, LLC	Traffic	4400026913 H.013421.5	East Street & Parkview Drive Sidewalks	12,818

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014242	LA-124 Big Branch, Sandy, Godfrey, Beech Bridges	N/A
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014243	LA-472 Indian and Big Bear Creek	18
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014245	LA-119 Bayou Pierre and Creek Bridges	15
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014246	LA-1199 Creeks & Spring Creek	18
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	26
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014247.5	LA-399 Bridges-Supplemental Task Order	N/A
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	14
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014248.5	LA-124 On site Detours - Supplemental Task Order	10
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014249	LA-126 Creek	849
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014242.5	LA-124 Bridges/Detours-Supplemental Task Order	21,472
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014250	LA-577 Bull Bayou and Creek Bridges	37
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014268	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek	30
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014268.5	LA-4 Creeks, Bear, Squirrel, Sugar, Bill's and Lost Creek	8
ELOS ENVIRONMENTAL, LLC	Environmental	44-0019337/H.014245.5	LA-119 Bayou Pierre and Creek Bridges-Additional	N/A
ELOS ENVIRONMENTAL, LLC	Environmental	44-0027734/H.014362	Lake Road in St. Tammany Parish	22,877
ELOS ENVIRONMENTAL, LLC	Environmental	44-0024593/H.015009	OSBR West Metairie Ave. Bridge, South Suburban Canal	N/A
ELOS ENVIRONMENTAL, LLC	Environmental	44-0025041/H.015429	Carroll Ave, Middle Colyell Creek - IIJA Off-System	25
ELOS ENVIRONMENTAL, LLC	Environmental	44-0025041/H.015430	Hood Rd, Middle Colyell Creek - IIJA Off-System Bridges	15
ELOS ENVIRONMENTAL, LLC	Environmental	44-0025041/H.015431	Sawmill Rd., Unnamed Creek - IIJA Off-System Bridges	17
ELOS ENVIRONMENTAL, LLC	Environmental	44-0025041/H.015432	M. Williams Rd., Spring Creek - IIJA Off-System Bridges	17
ELOS ENVIRONMENTAL, LLC	Environmental	44-0025041/H.015433	George Jenkins Rd., Berry's Creek - IIJA Off-System	28
ELOS ENVIRONMENTAL, LLC	Environmental	44-0025041/H.015434	Mitch Rd., Peters Creek - IIJA Off-System Bridges District	8
ELOS ENVIRONMENTAL, LLC	Environmental	44-0021326/H010074.1	DOTD State 0 IDIQ-LA 3089 Serve Rd./LA 70 Up	2,760

Firm(s)	Past Performance Evaluation Discipline(s) *	State Project Number	Project Name	Remaining Unpaid Balance**
CRESCENT ENGINEERING & MAPPING, LLC	Road	44-24591; H.014992	McHugh Road Over Brushy Bayou	$2,323
CRESCENT ENGINEERING & MAPPING, LLC	Bridge	44-24591; H.014992	McHugh Road Over Brushy Bayou	3,645
CRESCENT ENGINEERING & MAPPING, LLC	Planning	44-27180; H.016012	Transportation Alternatives Program (TAP), Task Order No. 1 (Technical Assistance to LPA's)	361
CRESCENT ENGINEERING & MAPPING, LLC	Road	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	7,073
CRESCENT ENGINEERING & MAPPING, LLC	Bridge	44-25035; H.014984	Libuse Cutoff Road Over Flagon Bayou	10,610
CRESCENT ENGINEERING & MAPPING, LLC	Road	44-28434; H.015568	LA 44: Pelican Point Roundabout and Widen	276,610
CRESCENT ENGINEERING & MAPPING, LLC	Bridge	44-28434; H.015568	LA 44: Pelican Point Roundabout and Widen	40,883
CRESCENT ENGINEERING & MAPPING, LLC	Survey	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	493,440
CRESCENT ENGINEERING & MAPPING, LLC	Road	44-27735; H.014056	I-69 Frontage Road Connector (Stonewall Frierson)	379,580
CRESCENT ENGINEERING & MAPPING, LLC	Bridge	44-27735; H.014054	I-69 Frontage Road Connector (Ellerbe Rd. to LA 1)	119,262
CRESCENT ENGINEERING & MAPPING, LLC	Road	44-24585; H.014980	Chinaberry Drive over Unnamed Coulee	6,155
CRESCENT ENGINEERING & MAPPING, LLC	Bridge	44-24585; H.014980	Chinaberry Drive over Unnamed Coulee	1,086

Sections 20-23

STAGE 0s			SERVICES							
Primary Name	Location	Years	Traffic	Safety	Signals	Rail	Wetlands	Bridge	Bike Ped	Other
College Drive	Baton Rouge		✓	✓			✓		✓	TEPR, Green I. COA
I-210 Corridor Study Route I-210	Lake Charles	2006-2007	✓	✓	✓		✓	✓		
I-49 South	Raceland to the WBE	2010-2014	✓	✓	✓	✓	✓			24 Stage 0s
I-49 South	Ricohoc to Berwick	2010-2013	✓	✓	✓			✓		16 Stage 0s, Farm Access 4(f)
La 935 Stringer Bridge Road	Ascension Parish	2012-2013	✓	✓						Utilities, Right-of-Way
Johnston Street (US 167)	Lafayette	2014	✓	✓	✓		✓			COA
Louisiana International Terminal (Conceptual Plans)	St. Bernard Parish	2019-2022	✓	✓		✓	✓	✓	✓	Funding Study
Louisiana International Terminal Highway Access Study	St. Bernard Parish	2021-2024	✓	✓	✓	✓	✓	✓	✓	Funding Study
US 61	Tulane Avenue	2010-2014	✓	✓	✓				✓	Green I. Streetscape, Transit
LA 49	Williams Boulevard	2014	✓	✓	✓					COA
Downtown Multimodal Traffic Analysis	New Orleans	2016-2019	✓	✓	✓				✓	Transit, Green I, Streetscape
Jimmie Davis Bridge	Shreveport-Bossier City	2013-2015	✓	✓	✓				✓	Historic Bridge, Migratory Birds, 4(f)
City of Baton Rouge	20-CP-HC-0044 Jones Creek Rd.									
Westside Expressway	West Baton Rouge, Iberville, & Ascension Parishes	2015-2017	✓	✓						
I-20 Benton Road to 220	Shreveport	2006-2009	✓	✓						MOT, Interchange Design
Andrew Higgins	New Orleans	2006-2007	✓	✓	✓				✓	Transit, Streetscape
LA 637	Port of South Louisiana	2007-2009	✓	✓	✓	✓	✓			Stage 0 and EA, Site Access
Weinberger Road	St. Bernard Parish	2006-2008	✓	✓	✓	✓				
US 190	Barrier Feasibility Study	2016-2017	✓	✓						
Nicholson Gateway	Traffic Study and Campus Masterplan	2011-2013	✓	✓	✓	✓			✓	Transit, Roundabouts

20. Certifications/Licenses:

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

ATSSA Certification

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Gregory Trahan
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

5/19/2023 to 5/19/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

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ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Jonathan G McDowell
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

5/19/2023 to 5/19/2027
Training Valid Through

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

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ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Peter Bakhit
has attended
Traffic Control Technician-LA State Specific
Training Course

9/7/2021 to 9/7/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA

Beginning Jan. 1, 2022, all flagger cards shall include a serial number. Cards issued without a serial number will not be accepted.

**National flagger certification cards shown below. Utah cards have a slightly different appearance. All serial numbers are exactly 11 characters (1 letter + 10 numbers).*

Flagger Verification Search

By Flagger Number Beginning with "A":
A1000126301

By Flagger Number Beginning with "V":

Last Name
McDowell

SEARCH

Vectura, ATSSA Certification

ATSSA
SAFER ROADS SAVE LIVES

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.

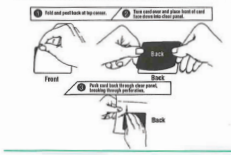
We commend you on your decision to become an ATSSA Certified Flagger. This distinction reflects that you have been trained by the leader in roadway safety and also entitles you to be listed on our National Flagger Database. Please review your state requirements for expiration of your flagger card. Also, 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 Laminate:



American Traffic Safety Services Association
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com

ATSSA
SAFER ROADS SAVE LIVES

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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,

Director of Training

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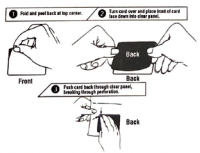

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SAFER ROADS SAVE LIVES

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Donna M. Clark
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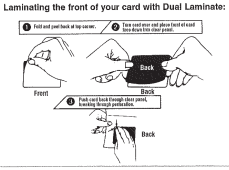


American Traffic Safety Services Association
15 Riverside Parkway, Suite 100 • Fredericksburg, VA 22406-1077
Office: 540-368-1701 • Toll-Free: 800-272-8772 • Fax: 540-368-1717
www.atssa.com

TRAFFIC DOC, L.L.C.
Thomas L. Ervin
269 Evangeline Drive
Mandeville, LA 70471
985.373.0534 Mobile

May 4, 2022

To Whom It May Concern,

This is to certify that the below listed employees of Vector Consulting Services, LLC have successfully completed traffic control training courses presented by the American Traffic Safety Services Association (ATSSA) and in accordance with the requirements of the Louisiana Department of Transportation & Development (DOTD).

LA Specific Traffic Control Supervisor Refresher (TCS REFRESHER) – Baton Rouge, LA – 04-27/28-22 – Sheelagh "Brin" Ferlito & Laurance Lambert

This letter will serve as temporary proof of training until the above listed employees receive their official course completion certificates from the American Traffic Safety Services Association (ATSSA). This letter will expire 90 days from the date of issue. Should there be any questions concerning this matter, please contact the undersigned at the above captioned address.

Yours in safety,

Thomas L. Ervin, ATSSA Master Instructor

DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT
DOTD

DESTINATION ZERO DEATHS

This certificate of training is presented to

GREGORY TRAHAN

In Recognition of Attending

Highway Safety Manual Workshop

Baton Rouge, Louisiana

18.0 Professional Development Hours

Elizabeth Wemple, PE
Eric Tang, PE
Instructor

June 1-3, 2011
Date

ATSSA Certification, Vectura,

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Brin Ferlito
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

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

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

Vice President of Education and Technical Services

New Orleans, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Laurence Lambert
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Director of Training

Baton Rouge, LA
Location

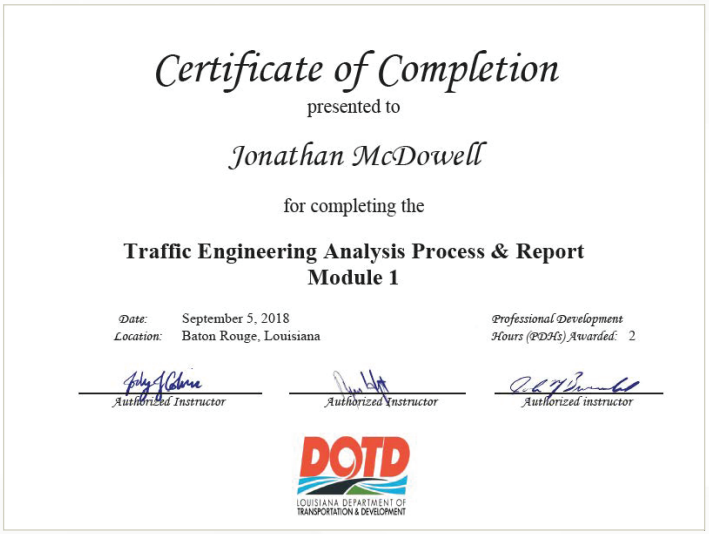
President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

LTRC Certification

Jonathan McDowell, AECOM



Certificate of Completion

presented to

Jonathan McDowell

for completing the

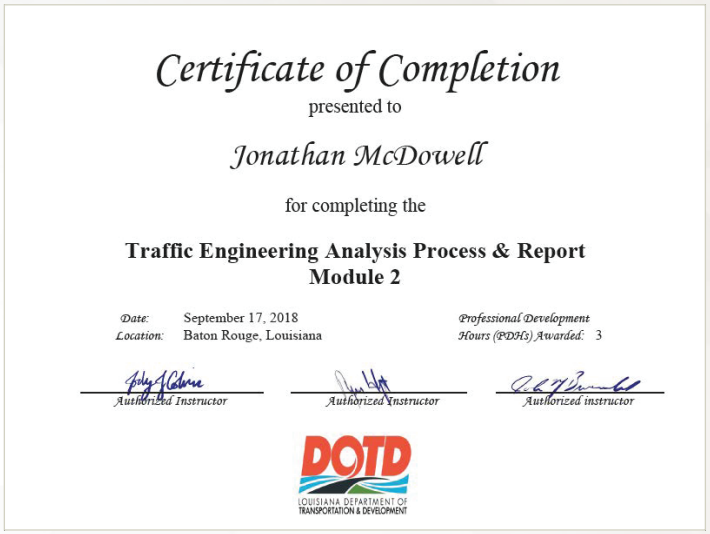
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan McDowell

for completing the

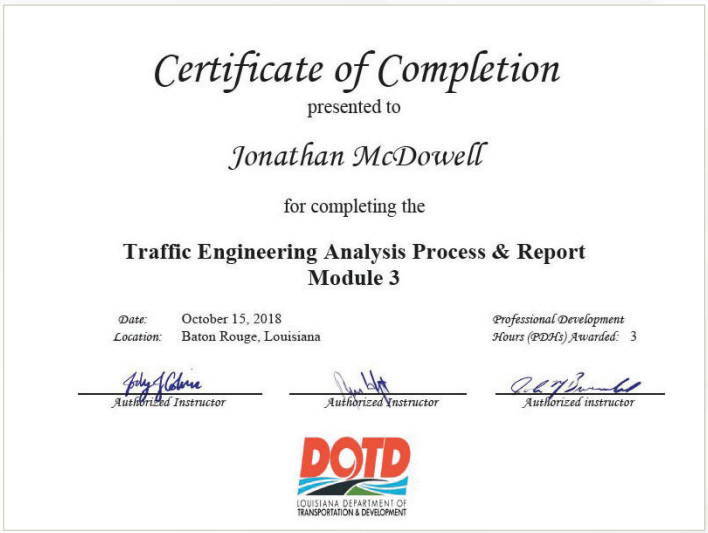
Traffic Engineering Analysis Process & Report
Module 2

Date: September 17, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Jonathan McDowell

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Gregory Trahan, AECOM

Certificate of Completion

presented to

Gregory Trahan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

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

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Gregory Trahan

for completing the

Traffic Engineering Analysis Process & Report
Module 2

Date: July 25, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Gregory Trahan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 29, 2018
Location: Baton Rouge, Louisiana
Professional Development Hours (PDH) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Training

this certifies that

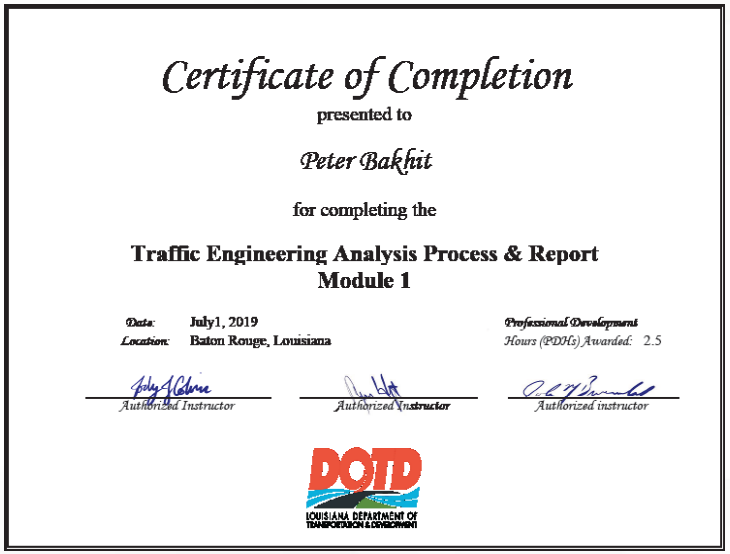
Gregory Trahan

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this **11th** *day of* **May 2023**

This certificate is valid for 30 days from the date awarded.



Certificate of Completion

presented to

Peter Bakhit

for completing the

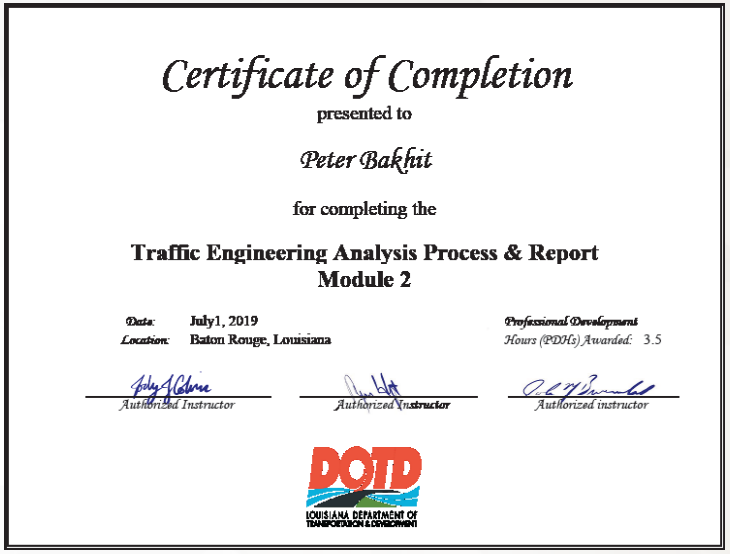
Traffic Engineering Analysis Process & Report
Module 1

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Peter Bakhit

for completing the

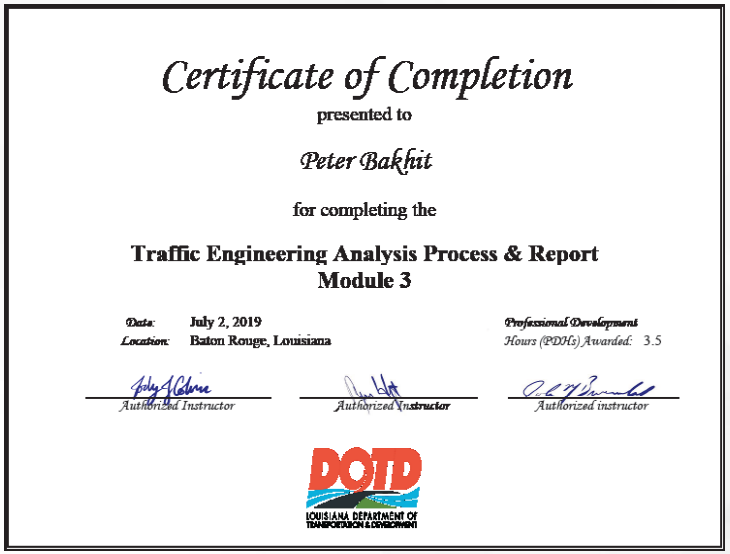
Traffic Engineering Analysis Process & Report
Module 2

Date: July1, 2019
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Peter Bakhit

for completing the

Traffic Engineering Analysis Process & Report
Module 3

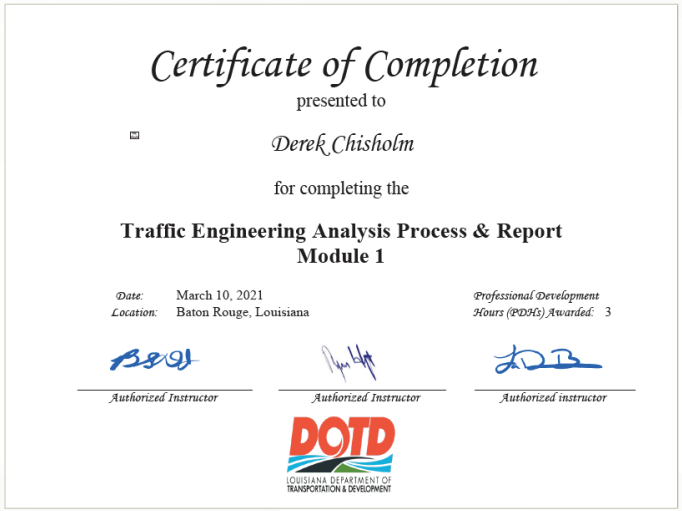
Date: July 2, 2019
Location: Baton Rouge, Louisiana

Professional Development
Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Derek Chisholm, AECOM



Certificate of Completion

presented to

Derek Chisholm

for completing the

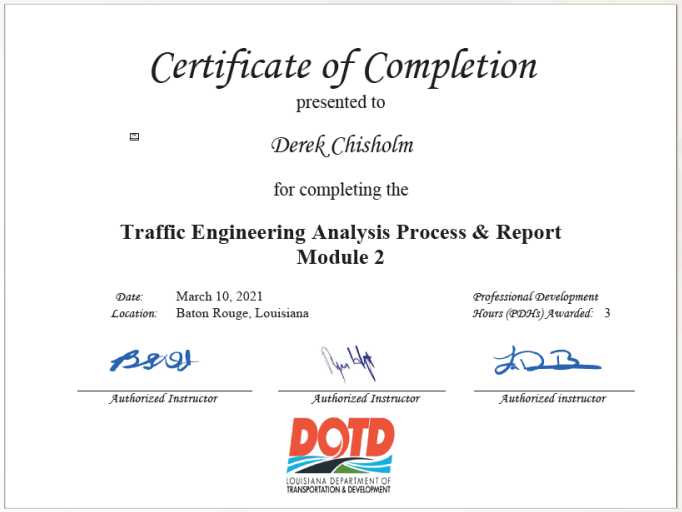
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Derek Chisholm

for completing the

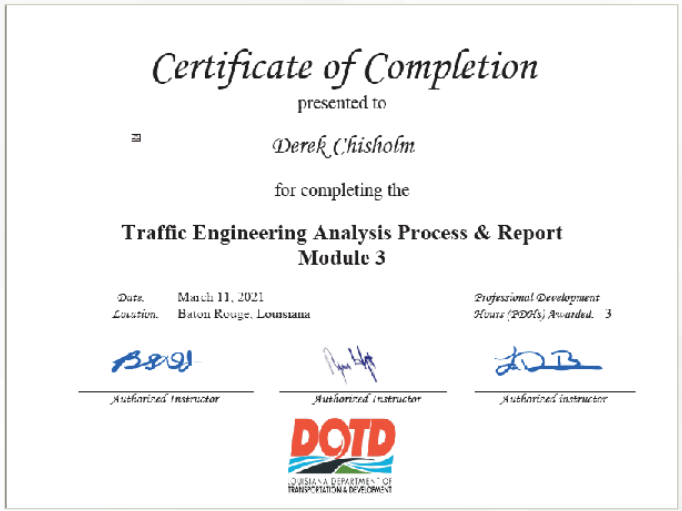
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Derek Chisholm

for completing the

Traffic Engineering Analysis Process & Report
Module 3

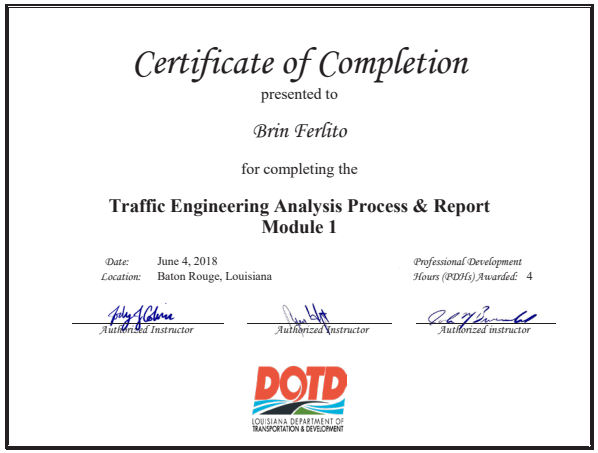
Date: March 11, 2021
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Brin Ferlito, Vectura



Certificate of Completion

presented to

Brin Ferlito

for completing the

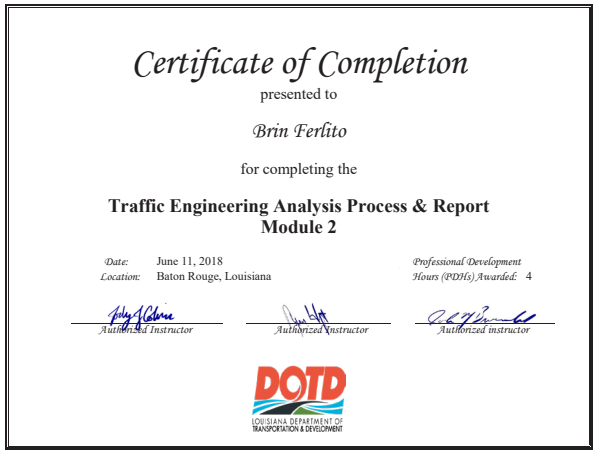
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Brin Ferlito

for completing the

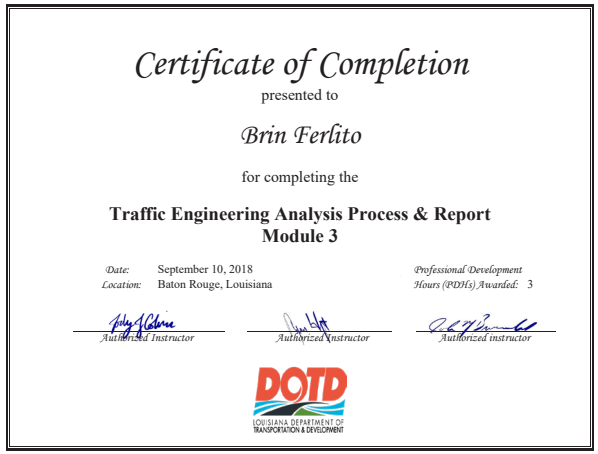
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 4

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Brin Ferlito

for completing the

Traffic Engineering Analysis Process & Report
Module 3

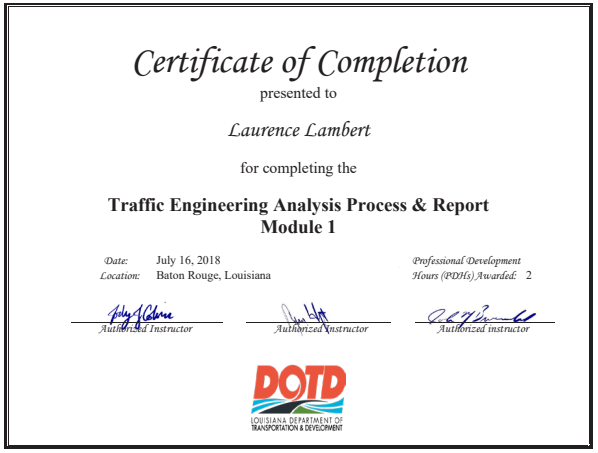
Date: September 10, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Vectura, Laurence Lambert



Certificate of Completion

presented to

Laurence Lambert

for completing the

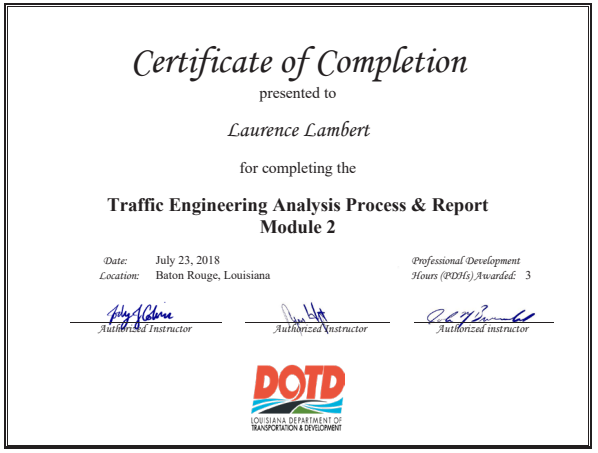
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Laurence Lambert

for completing the

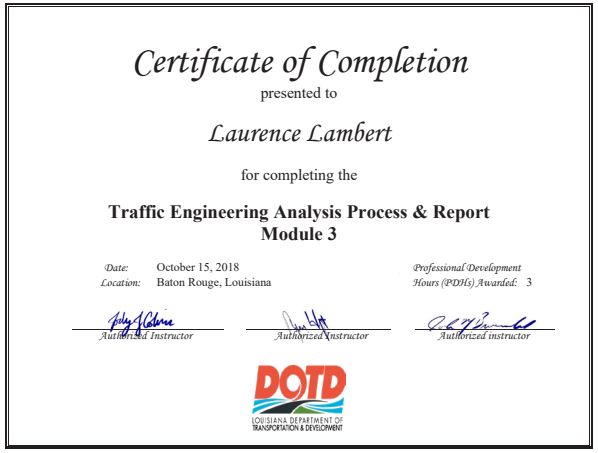
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Laurence Lambert

for completing the

Traffic Engineering Analysis Process & Report
Module 3

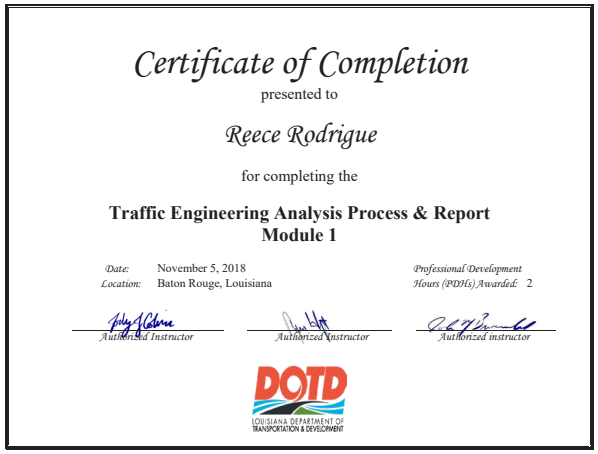
Date: October 15, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor *Authorized Instructor* *Authorized instructor*

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Reece Rodrique, Vectura



Certificate of Completion

presented to

Reece Rodrigue

for completing the

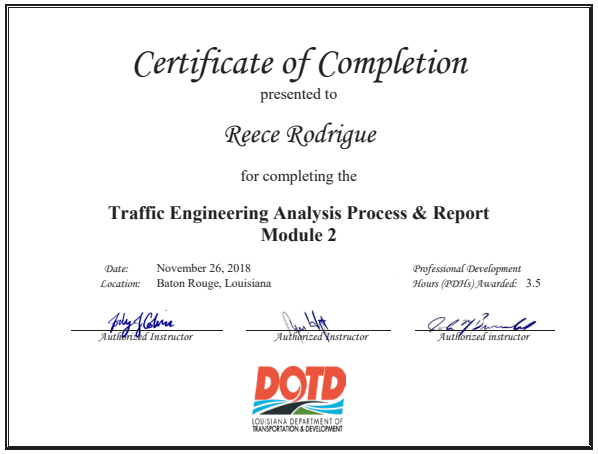
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Reece Rodrigue

for completing the

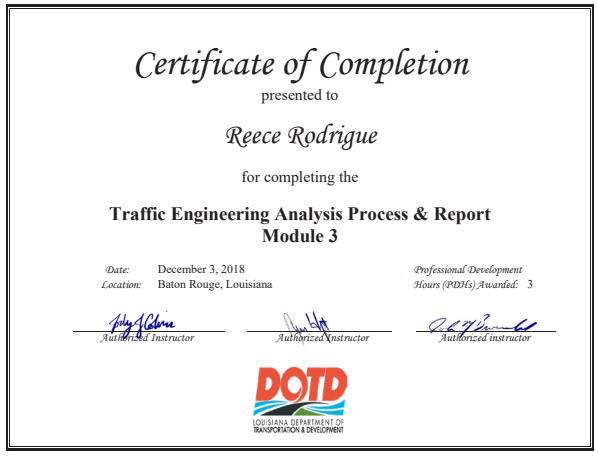
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Reece Rodrigue

for completing the

Traffic Engineering Analysis Process & Report
Module 3

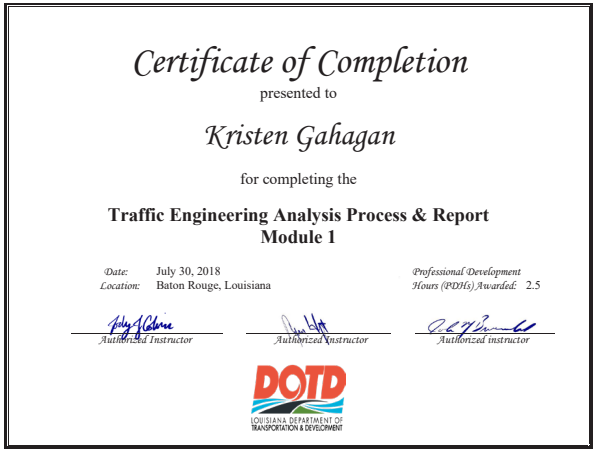
Date: December 3, 2018
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development

Kristen Gahagan Farrington. Vectura



Certificate of Completion

presented to

Kristen Gahagan

for completing the

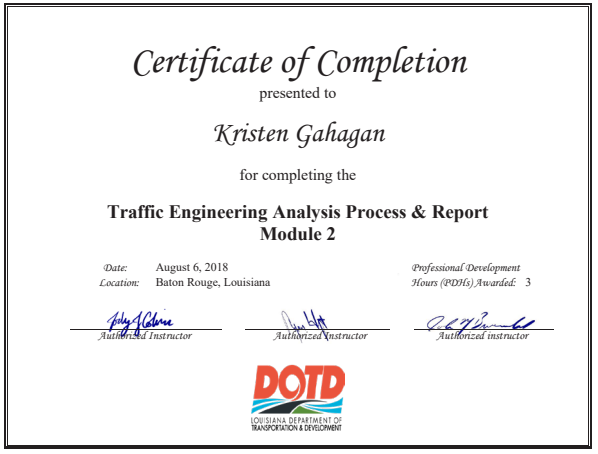
Traffic Engineering Analysis Process & Report
Module 1

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

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Kristen Gahagan

for completing the

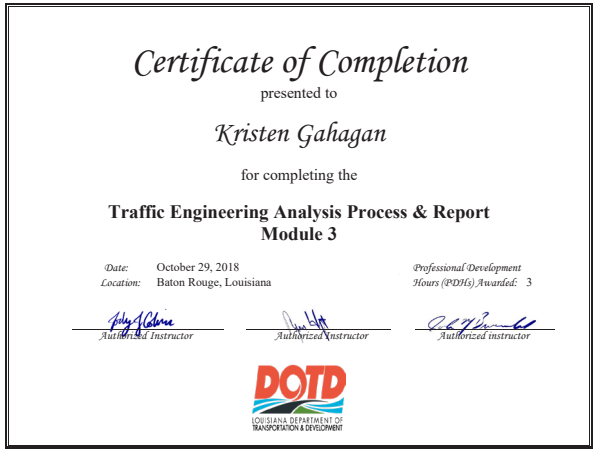
Traffic Engineering Analysis Process & Report
Module 2

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development



Certificate of Completion

presented to

Kristen Gahagan

for completing the

Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD Louisiana Department of Transportation & Development

The Transportation Professional Certification Board

Certifies that

Dr. Peter Bakhit, P.E., PTOE

successfully renewed the Professional Traffic Operations Engineer® certification

Original Certification Date: 7/9/2024

Certification Valid Through: 7/9/2027

Jeffrey F. Paniati,
Executive Director and CEO

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

Certification Number: 5713

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Ms. Sheelagh B. Ferlito, P.E., PTOE
Vectura Consulting Services, LLC
P.O. Box 14269
Baton Rouge, LA 70898
USA

Dear Ms. Ferlito,

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 9/9/2027.

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.

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) 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 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.

Reece Rodrigue, PE, PTOE
Vectura Consulting Services, LLC
m. 504.421.2782

From: info@ite.org <info@ite.org>
Sent: Friday, May 6, 2022 8:20 AM
To: Reece Rodrigue <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 • F

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) 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 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

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 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

The Transportation Professional Certification Board

Certifies that

Mr. Laurence L. Lambert, II, P.E., PTOE, PTP

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 2/3/2004

Certification Valid Through: 2/3/2028

Steve Kuciemba,
Executive Director and CEO

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

Certification Number: 1303

The Transportation Professional Certification Board

Certifies that

Mr. Reece J. Rodrigue, P.E., PTOE, RSP1

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 7/17/2019

Certification Valid Through: 7/17/2025

Steve Kuciemba,
Executive Director and CEO

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

Certification Number: 4508

The Transportation Professional Certification Board

Certifies that

Mr. Reece J. Rodrigue, P.E., PTOE, RSP1

successfully holds the Road Safety Professional® (Level 1) certification

Original Certification Date: 3/20/2023

Certification Valid Through: 3/20/2026

Steve Kuciemba,
Executive Director and CEO

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

Certification Number: 1013

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 600 • Washington, DC 20006 USA • Tel: 202-785-0060 • Fax: 202-785-0609 • 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) 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 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 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 demonstration 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 the its certification programs through the 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) 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 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) 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 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.

Transportation Professional Certification Board Inc.

1627 Eye Street, NW • Suite 550 • Washington, DC 20006 USA • Tel: 202-785-0060 • www.tpcb.org

Mr. Reece J. Rodrigue, P.E., PTOE

Congratulations! It is my pleasure to inform you that you have passed the written examination and are now certified as a Road Safety Professional® (Level 1)® As a RSP1 you will be recognized as one of a specialized group of professionals with the set of skills and expertise needed to successfully solve problems, create solutions, and better communities.

Important Notes

You will receive a letter with your specific exam details within the next few weeks.

Your certificate will be mailed to you within 10 weeks, but while you are waiting, you should note that your certificate number is **1,013.**Should you wish your name to appear on your certificate any differently from how it appears below, please reach out to me immediately at certification@tpcb.org

Mr. Reece J. Rodrigue, P.E., PTOE

One final requirement before using the (recipient description) and/or the initials RSP1 in the conduct of your professional practice is that there be no balance on your account. You can view this by pulling up your TPCB profile. If you have a balance, please contact certification@tpcb.org to make final payment.

Renewal of Your Certification

Your initial certification fee covers a three-year period and will expire 3/20/2026. At the end of the three-year period, your certification may be renewed without examination if you demonstrate that you have met the continuing education requirements and have the proper number of professional development hours (PDHs) or certification maintenance credits (CMs). The specific components of the required continuing education will be included in the letter with your exam details as well as information about how to keep track of your PDHs/CMs so that when it comes time to renew, it is a relatively simple process. A link to PDH/CM requirements is provided here .

There are two ways you can track your PDHs/CMs:

ITE Record Keeping System: If you are a member of ITE, you have access to the free record-keeping system which can be found here. Certificants who are not members of ITE can choose to subscribe to the ITE Record Keeping System for a $75 3-year subscription fee. Professional Development Record Keeping System - Institute of Transportation Engineers (ite.org)

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) 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 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.

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

Certificate of Training

NATIONAL HIGHWAY INSTITUTE

Derek Chisholm

has participated in

FHWA-NHI-142005 NEPA and Transportation Decision-Making

hosted by

Tennessee Department of Transportation

Date: November 4-6, 2014

Hours of Instruction: 18 hours

Location: TDOT Region 1, Knoxville

Instructor

Instructor

Local Coordinator

Valerie Briggs, Director
National Highway Institute

U.S. Department
Of Transportation
Federal Highway Administration

National Highway Institute

NATIONAL HIGHWAY INSTITUTE
Training Solutions for Transportation Excellence

Certificate of Training

Jonathan McDowell

has participated in

NHI Course No. 142005 –
NEPA and Transportation Decision Making

hosted by

LA DOTD/LTRC

Date: **January 10-12, 2012**

Hours of Instruction: **18**

Location: **Baton Rouge, LA**

Instructor

Instructor

Local Coordinator

Richard Barnaby, Director
National Highway Institute

NEPA NHI Course, Vectura

U.S. Department of Transportation
Federal Highway Administration

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* *Hours of Instruction:* 18

Location: *Baton Rouge, LA*

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

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* *Hours of Instruction:* 18

Location: *Baton Rouge, LA*

Instructor

Instructor

Local Coordinator

Thomas Harman

Thomas Harman, Director
National Highway Institute

The Transportation Professional Certification Board

Certifies that

Gregory Dale Trahan, P.E., RSP1

successfully holds the Road Safety Professional® (Level 1) certification

Original Certification Date: 3/14/2022

Certification Valid Through: 3/14/2028

Steve Kuciemba,
Executive Director and CEO

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

Certification Number: 833

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, USA

3/20/23

Joseph C. Baldwin
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

Transportation Professional Certification Board, Inc.

certifies that

Kristen Gahagan 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, USA

11/23/2022

Deborah Snyder
Chair

ROAD SAFETY PROFESSIONAL

Jeffrey F. Paniati
Executive Director

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
AECOM TECHNICAL SERVICES, INC.	Business Corporation (Non-Louisiana)	LOS ANGELES	Active

Previous Names

EARTH TECH, INC. (OF CALIFORNIA) (Changed: 12/8/2008)

Business: AECOM TECHNICAL SERVICES, INC.
Charter Number: 34545989F
Registration Date: 12/20/1996
Domicile Address
515 S. FLOWER ST.
SUITE 1050
LOS ANGELES, CA 90071
Mailing Address
300 SOUTH GRAND AVENUE, 9TH FLOOR
LOS ANGELES, CA 90071
Principal Business Office
300 SOUTH GRAND AVENUE, 9TH FLOOR
LOS ANGELES, CA 90071
Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816
Principal Business Establishment in Louisiana
5615 CORPORATE BLVD., STE. 400B
BATON ROUGE, LA 70808

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 12/20/1996
Last Report Filed: 11/21/2024
Type: Business Corporation (Non-Louisiana)

Registered Agent(s)

Agent: C T CORPORATION SYSTEM
Address 1: 3867 PLAZA TOWER DR.
City, State, Zip: BATON ROUGE, LA 70816

Appointment Date: 12/20/1996

Officer(s)

Additional Officers: No

Officer: MATTHEW CRANE
Title: President, Director
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: ARMOND TATEVOSSIAN
Title: Director, Secretary
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: ALLISON HALL
Title: Treasurer, Director, Officer
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: KARL JENSEN
Title: Director
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: ANDREW CEITLIN
Title: Officer
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: KENNETH V. BUTLER
Title: Officer
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: JOHN J. CARDONI
Title: Officer
Address 1: 300 SOUTH GRAND AVENUE, 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Amendments on File (5)

Description	Date
Stmt of Chg or Chg Prin Bus Off	1/29/2008
Name Change	12/8/2008
Stmt of Chg or Chg Prin Bus Off	10/18/2015
Disclosure of Ownership	7/25/2016
Appointing, Change, or Resign of Officer	5/3/2021

Print

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
VECTURA CONSULTING SERVICES, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015
Domicile Address
4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639
Mailing Address
PO BOX 14269
BATON ROUGE, LA 70898

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/24/2015
Last Report Filed: 7/26/2024
Type: Limited Liability Company

Registered Agent(s)

Agent: SHEELAGH BRIN FERLITO
Address 1: 4467 BLUEBONNET BLVD
Address 2: SUITE A
City, State, Zip: BATON ROUGE, LA 708099639
Appointment Date: 8/15/2018

Officer(s)

Additional Officers: No

Officer: SHEELAGH BRIN FERLITO
Title: Manager
Address 1: 4467 BLUEBONNET BLVD
Address 2: SUITE A
City, State, Zip: BATON ROUGE, LA 708099639

Officer: LAURENCE LAMBERT
Title: Member
Address 1: 4467 BLUEBONNET BLVD
Address 2: SUITE A
City, State, Zip: BATON ROUGE, LA 708099639

Amendments on File (1)

Description	Date
Domestic LLC Agent/Domicile Change	6/8/2023

Print

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
CRESCENT ENGINEERING & MAPPING, LLC	Limited Liability Company	VACHERIE	Active

Previous Names

Business: CRESCENT ENGINEERING & MAPPING, LLC
Charter Number: 44540825K
Registration Date: 8/5/2021
Domicile Address
1815 HWY 18
VACHERIE, LA 70090
Mailing Address
PO BOX 370
VACHERIE, LA 70090

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 8/5/2021
Last Report Filed: 8/20/2024
Type: Limited Liability Company

Registered Agent(s)

Agent: DENNIS HYMEL JR.
Address 1: 1815 HWY 18
City, State, Zip: VACHERIE, LA 70090
Appointment Date: 8/5/2021

Officer(s)

Additional Officers: No

Officer: DENNIS HYMEL JR.
Title: Manager, Member
Address 1: 1815 HWY 18
City, State, Zip: VACHERIE, LA 70090

Officer: PAUL OLIVIER
Title: Member
Address 1: 209 E. OAKLAWN DR.
City, State, Zip: THIBODAUX, LA 70301

Amendments on File (1)

Description	Date
Appointing, Change, or Resign of Officer	1/14/2025

Print

State of Louisiana
Secretary of State

COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
ELOS ENVIRONMENTAL, L.L.C.	Limited Liability Company	HAMMOND	Inactive

Previous Names

KREBS LASALLE ENVIRONMENTAL, L.L.C. (Changed: 12/16/2011)

Business: ELOS ENVIRONMENTAL, L.L.C.
Charter Number: 36335970K
Registration Date: 12/15/2006
Domicile Address
607 WEST MORRIS AVE
HAMMOND, LA 70403
Mailing Address
C/O LUCAS WATKINS
607 WEST MORRIS AVE
HAMMOND, LA 70403

Status

Status: **Inactive**
Inactive Reason:
File Date: 12/15/2006
Last Report Filed: 11/21/2022
Type: Limited Liability Company

Registered Agent(s)

Agent: JENNIFER LEE
Address 1: 111 NORTH OAK STREET
Address 2: SUITE 200
City, State, Zip: HAMMOND, LA 70401
Appointment Date: 1/24/2019

Officer(s)

Additional Officers: No

Officer: JAMES M. PRATHER, III
Title: Manager
Address 1: 607 WEST MORRIS AVE
City, State, Zip: HAMMOND, LA 70403

Officer: LUCAS WATKINS
Title: Manager
Address 1: 607 WEST MORRIS AVE
City, State, Zip: HAMMOND, LA 70403

Mergers (1)

Filed Date	Effective Date:	Type	Charter#	Chater Name	Role
10/11/2023	10/12/2023	MERGE	36335970K	ELOS ENVIRONMENTAL, L.L.C.	NON-SURVIVOR

Amendments on File (4)

Description	Date
Name Change	12/16/2011
Appointing, Change, or Resign of Officer	12/19/2011
Domestic LLC Agent/Domicile Change	9/25/2020
Merger	10/11/2023

Print

21. QA/QC Plan and/or Work Plan: If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

N/A

22. Subconsultant information

Firm Name (as registered with Louisiana's Secretary of State)	Address	Point of Contact and Email Address	Phone Number
VECTURA CONSULTING SERVICES, LLC	PO Box 14269, Baton Rouge, LA 70898	Brin Ferlito bferlito@vecturacs.com	225.223.6685
ELOS ENVIRONMENTAL, LLC	607 W Morris Ave., Hammond, LA 70403	Lucas Watson lwatson@elosenv.com	985.622.5501
CRESCENT ENGINEERING & MAPPING, LLC	1815 Hwy. 18, Vacherie, LA 70090	Dennis M. Hymel, Jr., PE dennis.hymel@crescentengla.com	225.329.1742

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.

Section left intentionally blank.

AECOM

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.

aecom.com

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