Contract NOS. 4400035710 and 4400035711

July 28, 2026








SUBMITTED BY:

ELOS Environmental
607 W. Morris Ave.
Hammond, LA 70403

Lucas Watkins, President
P: 985-662-5501
F: 985-662-5504
E: lwatkins@elosenv.com

SUBMITTED TO:

DOTD
DOTDConsultantAds80@la.gov

DOTD FORM: 24-102

(Revised August 11, 2025)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

1. Contract Name as shown in the advertisement	Indefinite Delivery/Indefinite Quantity (IDIQ) Contract for Environmental Services Statewide
2. Contract Number(s) as shown in the advertisement	4400035710 and 4400035711
3. State Project Number(s), if shown in the advertisement	
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)**	ELOS Environmental, LLC
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	N/A
6. Prime consultant mailing address	607 W Morris Ave, Hammond, LA 70403
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	607 W Morris Ave, Hammond, LA 70403
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Lucas Watkins President 985-662-5501 lwatkins@elosenv.com
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Lucas Watkins President 985-662-5501 lwatkins@elosenv.com

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

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: Date: 7/28/26
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): N/A Firm(s)' %: 0

12. Discipline Table:

Discipline(s)	% of Overall Contract	ELOS Environmental, LLC	ECM Consultants, LLC	Urban Systems Inc.	Emergent Method, LLC	AECOM Inc.	Civix Consulting Group	Each Discipline must total to 100%
Environmental	55%	100%						100%
Bridge	10%		100%					100%
Road	10%		100%					100%
Traffic	10%			85%		15%		100%
Planning	15%	50%			35%		15%	100%
	Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	**100%**	**62.5%**	**20%**	**8.5%**	**5.25%**	**1.5%**	**2.25%**	**100%**

13. Team Size:

Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
ELOS Environmental, LLC	Principal	1	2
	Environmental Manager	3	5
	Environmental Pro	4	6
	Biologist/ Wetlands	4	6
	Geologist	2	2
	Archaeologist	2	2
	Archaeologist-Tech	1	1
	Historian	1	1
	GIS Analyst	4	4
	Administrative	2	4
	Clerical	2	4
ECM Consultants, LLC	Engineer	5	10
Urban Systems Inc.	Supervisor - Eng	1	2
	Engineer	1	2
	Engineer- Aide	1	1
	Clerical	1	2
	CADD Technician	2	2
Emergent Method, LLC	Other (Public Outreach Manager)	1	8
	Other (Public Outreach Manager)	1	20
	Other (Public Outreach)	1	13
	Other (Public Outreach)	2	12
AECOM, Inc.	Other (Traffic Analysis)	1	1
MB3 Inc. DBA Civix	Other (Senior Land Specialist)	1	1

14. Organizational Chart

PRESIDENT & PROJECT OVERSIGHT

LUCAS WATKINS, Environmental Manager

PROJECT MANAGER / ENVIRONMENTAL MANAGER

BRIAN FORTSON, JD, Sr Project Manager, Environmental Manager

NEPA COMPLIANCE, ENVIRONMENTAL REVIEWS, PERMITTING, AGENCY COORDINATION, WETLAND DELINEATIONS, T&E SPECIES

BASILE DARDAR, Sr Project Manager, Environmental Manager
MICHAEL HILL, Project Manager, Environmental Professional
TIMOTHY SOILEAU, Project Manager, Environmental Professional

PHASE I & II ESA, AIR TRAFFIC ANALYSIS

MICHAEL BELLONE, Dir of Environmental Services & Regulatory Affairs
FRED KINDRED, Geologist (Air Analysis)

ARCHAEOLOGICAL & HISTORICAL EVALUATIONS, GIS

JULIAN BLAINE, Principal Investigator
JACOB O'NEAL, Archaeology Field Technician
SARAH KNAUER, Architectural Historian
JJ PEARSALL, GIS Manager
RICK NEAL, GIS Analyst

ROADWAY DESIGN, BRIDGE DESIGN, CIVIL ENGINEER

SUNINA SHRESTHA, P.E., PMP, Civil Engineer (Roadway Design)
CHRIS CAPRETTO, P.E., PMP, Civil Engineer (Roadway Design)
NEIL LOGAN, P.E., Civil Engineer (Bridge Design)
SUDHIR MEHTA, P.E., Civil Engineer (Bridge Design)
JOHN FOLEY III, PE, Civil Engineer (Traffic Analyses)*

TRAFFIC ENGINEERING, SAFETY ANALYSES, CIVIL ENGINEER

ALISON CATARELLA MICHEL, P.E., PTOE, PTP, RSP2i, Civil Engineer (Traffic Engineering)*
NICOLE STEWART, P.E., PTOE, Vice President, Transportation Engineer
MATTHEW H. MORGAN, P.E., PTOE, Transportation Engineer
CHRISTINE M. DARRAH, P.E., Transportation Engineer
CONNOR M. CROW, E.I., Engineer Intern
ABIGAIL CAHILL, E.I., Engineer Intern

PUBLIC OUTREACH & AGENCY COORDINATION

Keesler Morrison, Public Outreach and Agency Coordination Project Manager
ANNIE LANDRY, Communicator
JACQUELINE FOREMAN, Communicator / Graphic Design
MAGGIE CLARK, Communicator
WILLIAM KIRKLAND, Communicator

NOISE ANALYSIS

Tom Herzog, Noise Analysis Specialist

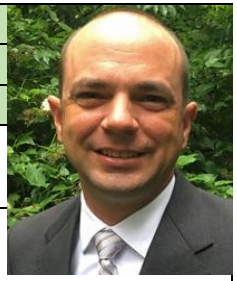
CONCEPTUAL STAGE RELOCATION PLANS

HUBERT GRAVES, Real Estate Professional

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 and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1, 2, 15	Lucas Watkins	ELOS Environmental, LLC	NEPA Certificate, Environmental Manager	N/A	N/A
3	Tom Herzog	AECOM Technical Services, Inc.	Environmental Professional/Manager	N/A	N/A
4, 5	Fred Kindred	ELOS Environmental, LLC	Geologist	LA	N/A
5	Michael Bellone	ELOS Environmental, LLC	Geologist	N/A	N/A
6, 7, 15	Basile Dadar	ELOS Environmental, LLC	Environmental Manager	N/A	N/A
6, 7, 15	Brian Fortson	ELOS Environmental, LLC	Environmental Manager	N/A	N/A
6, 7, 15	Mike Hill	ELOS Environmental, LLC	Environmental Professional	N/A	N/A
8	Julian Blaine	ELOS Environmental, LLC	SOI Registered Archaeologist	N/A	N/A
9	Sarah Knauer	ELOS Environmental, LLC	SOI Architectural Historian	N/A	N/A
10	Sunina Shrestha, P.E., PMP	ECM Consultants, Inc	Professional Engineer PE.0037901 - Civil	LA	Exp. 09/30/2027
10	Chris Capretto, P.E., PMP	ECM Consultants, Inc	Professional Engineer PE. 0038641- Civil	LA	Exp. 09/30/2026
11	Neil Logan, P.E.	ECM Consultants, Inc	Professional Engineer PE.0014607 - Civil	LA	Exp. 03/31/2027
11	Sudhir Mehta, P.E.	ECM Consultants, Inc	Professional Engineer PE. 0018950 - Civil	LA	Exp. 03/31/2028
12	Alison Catarella Michel, P.E., PTOE, PTP, RSP2i	Urban Systems	Professional Engineer PE. 30261- Civil	LA	03/2027
13	John Foley III, PE	ECM Consultants, Inc	Professional Engineer PE. 0042740- Civil	LA	Exp. 03/31/2027
14	Hubert Graves	MB3 Inc. DBA Civix	Real Estate Professional	N/A	N/A
15	Timothy Soileau	ELOS Environmental, LLC	Environmental Professional	N/A	N/A
15	Keesler Morrison	Emergent Method	Public Outreach and Agency Coordination	N/A	N/A

16. Staff Experience:



Firm employed by: **ELOS Environmental, LLC**			
Name	**LUCAS WATKINS**	Years of relevant experience with this employer	**19**
Title	**President/Environmental Scientist**	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		USACE Wetland Delineation, 2007	
Year registered: N/A	Discipline	National Highway Institute: NEPA & Transportation Decision-Making Process (includes NEPA, Section 4(f) Coordination, and Section 106), 2015	
Contract role(s) / brief description of responsibilities		Principal, Quality Control / Quality Assurance. **MPR No. 1, 2, and 15**	

Lucas Watkins is the President and founding Principal of ELOS. He has extensive experience in preparing National Environmental Policy Act (NEPA) documents. He is well-versed in ensuring compliance with regulations governing the Federal Highway Administration (FHWA) and the Louisiana Department of Transportation and Development (LADOTD) activities with environmental impacts, including sampling, testing, monitoring, implementing corrective actions, and preparing reports. **Mr. Watkins has over two decades of experience developing mitigation measures to avoid or minimize adverse environmental impacts identified during the NEPA review process. This includes recommending modifications to site locations or project design and conducting ongoing monitoring to ensure compliance with permit conditions. He will provide project oversight.**

09/20 - Ongoing	**LADOTD Rural Bridges, Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental and cultural services for the LADOTD Rural Bridge Replacement Initiative projects across six districts. ELOS conducted Section 106 reviews and additional Phase I Cultural Resources Surveys, as needed, for NEPA compliance. ELOS also conducted field investigations to locate wetlands and verify the accuracy of the aerial base mapping. These efforts led to the accurate identification of sensitive areas and to improved project planning. Mr. Watkins ensures compliance with all environmental regulations and facilitates communication among DOTD officials, environmental organizations, and stakeholders to maintain project transparency. [Phase 2: H.014242, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268, H.015685]
09/22 - Ongoing	**LADOTD IIJA Off-System Bridges District 62; Statewide, LA:** This project involves replacing six bridges in several parishes to improve transportation safety and infrastructure. ELOS performed wetland delineations, completed permit applications, solicited views (SOVs) to document a categorical exclusion (CATEX), conducted cultural resources research, prepared tribal packets and reports, and wrote navigability determination reports. Mr. Watkins reviewed all findings before submitting to the Client. All delineations follow the latest U.S. Army Corps of Engineers (USACE) Wetland Delineation Manual. ELOS continues to provide permitting services by preparing applications, coordinating with agencies, and ensuring compliance with state and federal requirements. The project's outcomes will enhance safety, ensure regulatory compliance, and extend the service life of key routes. [H.015429, H.015430, H.015431, H.015432, H.015432, H.015433, H.015434]
18 - 19	**Lower LA 45; Jefferson Parish, LA:** ELOS was contracted to conduct the required 404/Coastal Use permits for the project. This included conducting a wetland delineation for approximately 18,250 linear ft. of new levee footprint and 21,250 linear ft. of new floodwall footprint on the flood and protected sides, to be submitted to the USACE for a Jurisdictional Determination. ELOS developed a preliminary assessment of existing site conditions and, as needed, summarized it in the permit application, including anticipated environmental impacts on threatened and endangered species and colonial nesting birds. ELOS

	conducted a preliminary review of existing databases and information to determine the relative risk of encountering cultural resources of concern during construction, and summarized the findings in the permit application. ELOS conducted the Louisiana Wetlands Rapid Assessment Method (LRAM) and Wetland Value Assessment (WVA) to determine mitigation requirements and to consult on mitigation options for inclusion in the application. Mr. Watkins provided project oversight.
08/24 - 05/26	**Firetower Road – LA 445 Corridor Study; Tangipahoa Parish, LA:** ELOS was contracted to lead a technical team to establish the costs, feasibility, and potential environmental concerns of roadway projects within the corridors of Firetower Road and LA 445, including the interchange of Firetower Road and Interstate-12. Mr. Watkins oversaw the team leading public involvement, plan reviews, and demographic and data-collection activities that formed the basis of an existing conditions evaluation report. ELOS then drafted the report, including Mr. Watkins' analysis of conceptual plans and growth scenarios to establish an overall assessment of probable costs and project recommendations, all of which were included in the Final Land Use and Transportation Scenario Planning Study.
10/18 - 12/20	**Land Use Planning Study for East Tangipahoa; Tangipahoa Parish, LA:** ELOS was contracted to lead a multidisciplinary team and provide environmental services for a planning study of East Tangipahoa to evaluate land-use and growth scenarios and their impacts on the transportation network. Outcomes showed the need for better north-south connectivity, prioritizing Firetower Road for capacity improvements, and developing a local road comprehensive plan. ELOS maintained meeting documents and minutes, completed data sets, Stage 0 Checklists, developed and evaluated alternatives, and wrote the final report. Mr. Watkins led the team, facilitated public engagement, and oversaw the evaluation of alternatives and the report.
02/22 - 05/24	**LADOTD Stage 0 Project, LA 67; Ascension Parish, LA:** ELOS was contracted in 2022 to complete a Stage 0 checklist and environmental inventory for 3089 Ser Road/LA 70, in accordance with the LADOTD Manual of Standard Practice and the requirements of the NEPA. The study identified and evaluated preliminary alternatives at the intersection of LA 70 and LA 3089 to improve operations and safety for vehicular, rail, and other transportation modes in Donaldsonville, LA. Mr. Watkins provided guidance throughout the project, and the final report was submitted to DOTD and other agencies. [H.010074]
16 - 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, in which ELOS calculated the costs of mitigating unavoidable environmental impacts, such as wetland, hazardous waste, and cultural resource impacts. Mr. Watkins oversaw this project, reviewing the wetland delineations for the three possible routes and final reports, as well as the Phase I Environmental Site Assessment.
08/17 - 07/18	**Design Build of I-10 from Highland Drive to LA 73; East Baton Rouge and Ascension Parishes, LA**: ELOS was contracted as the environmental compliance manager responsible for permitting and construction monitoring for the interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville. This included widening an approximately six-mile stretch of I-10, a quarter mile west of the I-10 Highland Road interchange, to east of the I-10/LA 73 interchange, from two lanes in each direction to three. This widening also included the expansion of two bridges/overpasses within the roadway segment. In addition to renewing the USACE and Scenic Stream permits, ELOS prepared stormwater management, pollution prevention, and impact mitigation plans for the staging, construction, and permanent areas. ELOS provided environmental compliance permit monitoring, including cultural resources, endangered species, wetlands, and stormwater management, during construction, and modified strategies as construction activities required flexibility or alternatives for safety and effectiveness.

Firm employed by: **ELOS Environmental, LLC**				
Name	**BRIAN FORTSON**	Years of relevant experience with this employer	**13**	
Title	**Senior Project Manager / Biologist**	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		USACE Wetland Certification		
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities		Project management, agency coordination, services in support of NEPA and related laws and regulations, permit applications and supporting documentation, services in support of mitigation compliance (wetland delineations / T&E Species). **MPR No. 6, 7, and 15**		

Brian Fortson leads permitting for multiple projects related to local development and infrastructure improvement initiatives. He previously served as a Planning Technician, Land Use Planner, Environmental Specialist, and Coastal Wetland and Environmental Resources Manager for St. Tammany Parish Government from 1988 to 2013. He administered the St. Tammany Parish Local Coastal Program under the Coastal Zone Management Act of 1972. He was responsible for managing the Parish government's natural resource permitting efforts. **Mr. Fortson will serve as the Senior Project Manager, leading the permitting for this project, including Coastal Use Permits (CUP) from the Louisiana Department of Conservation and Energy (LDCE); Wetland permits (Section 404 and Nationwide), Section 10 Permits, and Section 408 Permissions from U.S. Army Corps of Engineers (USACE); Water Quality Certifications from Louisiana Department of Environmental Quality (LDEQ); Bridge permits from U.S. Coast Guard (USCG); Scenic Streams Permits from Louisiana Department of Wildlife and Fisheries (LDWF); levee permits from various permitting authorities; and other environmental permits or approvals as necessary.**

08/23 - Ongoing	**East Baton Rouge IIJA Off-System Bridge Program; East Baton Rouge Parish, LA:** ELOS is contracted to provide environmental services, including SOV, CATEX document, permit applications and drawings, and a wetland study and report. The permit application included a packet documenting the rationale for the project, providing a summary of the project, and a detailed verbal description of the project location. ELOS is also responsible for generating a site plan for each project and coordinating with USACE to obtain a Section 10/404 permit. The project consists of replacing 13 bridges at separate sites throughout EBR with slab-span bridges. The project is approximately 13 acres total. Mr. Fortson has coordinated with environmental scientists to review the wetland delineation reports and assist with USACE permit applications for the replacement of the 13 bridges. [H.015547, H.015548, H.015544, H.015549, H.015545, H.015550, H.015341, H.015551, H.015552, H.015553]
09/20 - Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental consulting services for the LADOTD 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 nine state project numbers and supplemental task orders, affecting multiple structures in Districts 5, 8, and 58. Almost all the projects have included a wetland delineation, permit applications, a cultural resource survey, and a threatened and endangered (T&E) survey. Mr. Fortson has reviewed wetland delineation reports and CATEX documentation, discussed findings and reviewed data for final reports, and met with internal staff to develop T&E species surveys. [H.014242, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268, H.015685]

09/22 - Ongoing	**LADOTD IIJA Off-System Bridges District 62; Statewide, LA:** This off-system bridge project involves replacing six bridges in Livingston, St Helena, St. John the Baptist, St. Tammany, Tangipahoa, and Washington Parish. ELOS performed wetland delineations, completed permit applications, SOVs to document a CATEX for the proposed work, conducted cultural resources research, prepared tribal packets and reports, and wrote navigability determination reports. Mr. Fortson reviewed the findings reports before the team submitted them to the client. Mr. Fortson is currently providing permitting services to support ongoing project needs and regulatory compliance. These services include preparing and submitting permit applications, coordinating with relevant agencies, and ensuring that all project activities comply with state and federal requirements. [H.015429, H.015430, H.015431, H.015432, H.015432, H.015433, H.015434]
01/15 - 01/16	**US 51 (LA 22 To Club Deluxe Road) – Environmental Services; Tangipahoa Parish, LA:** ELOS was contracted to complete a biological survey and report, a Phase I ESA, and a draft environmental assessment, in addition to analyzing natural resource impacts and assisting with public outreach for this roadway improvement project. Mr. Fortson supervised and participated in field investigations to support wetlands delineations and findings reports, biological surveys, and reports on threatened and endangered species. He also provided coordination among natural resource agencies, consultation with landowners, and outreach to public groups.
02/23 - Ongoing	**LADOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation to obtain a jurisdictional determination from the USACE and, if necessary, submit a permit application for a roundabout at the intersection of Minnesota Park and Range Road covering 2.5 acres in Tangipahoa Parish, Louisiana. ELOS is collecting data and preparing the wetland delineation report, which involves detailed field assessments to identify and map wetland boundaries and associated habitats in accordance with federal guidelines. The report helps clarify whether proposed activities affect waters of the United States and require permits. ELOS also assisted with a CATEX, Phase I ESA, and the SOVs. Mr. Fortson monitors project timelines, milestones, and budgets to ensure the timely delivery of environmental assessments that align with the overall project schedule. ELOS is currently preparing a stormwater permit and a Stormwater Pollution Prevention Plan (SWPPP) to ensure regulatory compliance and proper stormwater management at the project site. [H.014340]
01/21 - Ongoing	**LA 22 Gapping; Ascension Parish, LA:** ELOS is contracted to perform a wetland delineation, complete joint permit applications (JPAs), complete a biological survey, monitor for bald and golden eagle protection, complete a Phase I ESA, complete a Section 106 review and report, and assist with wetland mitigation planning. ELOS also provided a Phase I Cultural Resource Survey and report. Mr. Fortson has served as the project manager, assisting in determining the potential jurisdictional wetlands and other waters, preparing and submitting permit applications, and reviewing the desktop Section 106 review. He also oversaw the Phase I ESA and wetland mitigation planning. Mr. Fortson is currently coordinating with the Louisiana Department of Conservation and Energy (LDCE) on the mitigation review process.
2017 - 2018	**I-10 Highland to LA 73 Design Build; East Baton Rouge Parish to Ascension Parish, LA:** ELOS was contracted to serve 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. Mr. Fortson provided senior-level environmental project management, overseeing the permitting and complex environmental aspects of these transportation infrastructure initiatives. He assisted in developing an SWPPP in accordance with Part III of LAR20000 and ensured the strategy aligned with DOTD's project goals and regulatory requirements.

Firm employed by: **ELOS Environmental, LLC**			
Name	**BASILE DARDAR**	Years of relevant experience with this employer	**8**
Title	**Environmental Specialist / Project Manager**	Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization		BS / 2014 / Biology	
Active registration number / state / expiration date		USACE Wetland Delineation Certification, 2018 ATSSA Traffic Control Technician – expires 11/29/2026 Bat Acoustic Identification, 2024	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Project management, agency coordination, services in support of NEPA and related laws and regulations, permit applications and supporting documentation, services in support of mitigation compliance (wetland delineation, wetland findings, threatened and endangered species surveys, and biological assessments). **MPR No. 6, 7, and 15**	

Basile Dardar has over eight years of experience evaluating environmental impacts on wetlands and endangered species for NEPA-compliant projects. If wetlands are present or impacted, Mr. Dadar has experience preparing avoidance and minimization plans, exploring alternative project footprints, and, if necessary, developing compensatory mitigation plans in coordination with the USACE and other regulatory agencies. This may include wetland restoration, creation, or enhancement to offset functional losses. Should listed species or critical habitats be identified, Mr. Dadar will coordinate with the U.S. Fish and Wildlife Service (USFWS) and state agencies to develop species-specific mitigation plans. Measures may include timing restrictions, habitat protection or enhancement, relocation efforts, and monitoring to document effectiveness. **Mr. Dadar will lead the wetland delineation, wetland findings, threatened and endangered species surveys, and biological assessments for DOTD.** We have also included his Traffic Control Technician and Wetland Delineation certificates in this response.

08/23 - Ongoing	**East Baton Rouge IIJA Off-System Bridges; East Baton Rouge Parish, LA:** ELOS is contracted to perform wetland delineation, jurisdictional determinations, and permitting for 13 bridges at separate sites throughout EBR. The project involves replacing the existing bridges with slab-span bridges and covers approximately 13 acres. Mr. Dardar has coordinated with the field team to conduct wetland delineations, complete the wetland findings report, work with the USACE for jurisdictional determinations of wetlands, and assist with USACE permit applications and supporting documentation. This process also included conducting surveys of T&E species. Mr. Dardar completed surveys for the tricolored bat, alligator snapping turtle, and the monarch butterfly. [H.015547, H.015548, H.015544, H.015549, H.015545, H.015550, H.015341, H.015551, H.015552, H.015553]
04/22 - 02/25	**LADOTD Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS was contracted to provide environmental services on five Infrastructure Investment and Jobs Act (IIJA) off-system bridges. We prepared an early Section 106 Tribal coordination packet and submitted it to the DOTD. We also performed a wetland delineation, SOVs, CATEX documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Dardar has conducted wetland delineations, prepared and submitted permit applications, and led the team in completing the SOVs and CATEX documentation. [H.015407, H.015333, H.015404]
09/20 - Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental consulting services for the LADOTD 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

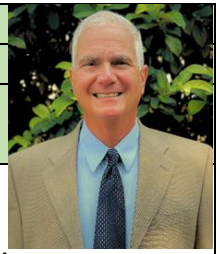
	and involves bridge replacements under nine state project numbers and supplemental task orders, affecting multiple structures in Districts 05, 08, and 58. Almost all projects have included a wetland delineation, permit applications, a cultural resource survey, and a survey of T&E species. Mr. Dardar, the project manager, is conducting bat surveys to ensure that endangered bats' habitats are not destroyed. [H.014242, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268, H.015685]
11/17 - Ongoing	**Move Ascension - Phases II & III; Ascension Parish, LA:** ELOS is contracted to provide environmental services to support the feasibility, engineering, and design of more than 60 roadway improvement projects for Move Ascension. The projects have ranged from installing roundabouts at intersections of local roads with state highways to widening roads, adding turn lanes, adding J-turns, and providing new connector roads. ELOS' services have included assessing feasibility options, conducting wetland delineations, completing cultural resource evaluations, completing CATEX, and submitting permit applications to state and federal agencies, depending on the scope of the specific project. Mr. Dardar 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.
02/23 - Ongoing	**LADOTD Minnesota Park / Range Road Roundabout; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation to obtain a jurisdictional determination from the USACE and, if necessary, submit a permit application for a roundabout at the intersection of Minnesota Park and Range Road covering 2.5 acres in Tangipahoa Parish, Louisiana (H.014340). ELOS is collecting data and preparing the wetland delineation report, which involves detailed field assessments to identify and map wetland boundaries and associated habitats in accordance with federal guidelines. The report helps clarify whether proposed activities affect waters of the United States and require permits. Mr. Dardar has worked on the SOVs, reviewed the CATEX sections and documentation, written permit applications, and coordinated with LADOTD. Mr. Dadar is currently preparing a stormwater permit and SWPPP to ensure regulatory compliance and proper stormwater runoff management for the project site. [H.014340]
02/22 - 05/24	**LADOTD Stage 0 Project, LA 67; Ascension Parish, LA:** ELOS was contracted to complete a Stage 0 checklist and environmental inventory for 3089 Ser Road/LA 70, in accordance with the LADOTD Manual of Standard Practice and the requirements of the NEPA. The study identified and evaluated preliminary alternatives at the intersection of LA 70 and LA 3089 to improve operations and safety for vehicular, rail, and other transportation modes in Donaldsonville, LA. Mr. Dadar served as the senior project manager, coordinated with the clients, and reviewed the stage 0 Checklist for multiple locations. [H.010074]
10/24 - Ongoing	**Old Mill Settlement Road - Section 106 Desktop Review; Livingston Parish, LA:** The Livingston Parish Government planned to replace a two-lane road between Mill Settlement Trace and LA Hwy 16 in Port Vincent, Louisiana. They contracted ELOS to perform a wetland delineation, submit a joint permit application (JPA), and conduct a Section 106 desktop review and consultation. The work aimed to mitigate repetitive flooding and involved elevating approximately 11 acres. ELOS also prepared an EA in accordance with the NEPA and the Council on Environmental Quality Regulations (40 CFR Part 1500 et seq.) as supplemented by procedures promulgated by FEMA. An Eight-Step Decision-Making Process for impacts on floodplains and wetlands was provided in the EA appendix. Mr. Dadar coordinated with the client and regulatory agencies to obtain the permit, and he reviewed the delineation report.

Firm employed by: **ELOS Environmental, LLC**			
Name	**MIKE HILL**	Years of relevant experience with this employer	**4**
Title	**Environmental Scientist**	Years of relevant experience with other employer(s)	**2**
Degree(s) / Years / Specialization		BS/2019/Environmental Science	
Active registration number / state / expiration date		DOTD FAA-certified UAV(Drone) pilot. Certification No: 4566332	
Year registered	NA	Discipline	NA
Contract role(s) / brief description of responsibilities		Wetland Studies, Environmental Data Collection and Surveys, Environmental Permits, Impacts Evaluation, NEPA Clearance, and Stage 0 Checklists. **MPR No. 6, 7, and 15**	

Mr. Hill is an experienced environmental scientist who specializes in field investigations. He is well-versed in wetland delineations, threatened and endangered species surveys, permit applications, and environmental monitoring. As a licensed drone pilot, Mike also has experience collecting and processing drone footage. His knowledge of habitat types and his skills as a drone pilot allow him to conduct thorough aerial surveys. Additionally, Mr. Hill has extensive experience coordinating with LADOTD and the FHWA on multiple bridge and road projects. **Mr. Hill will assist with wetland studies, environmental data collection and surveys, environmental permits, impacts evaluation, NEPA Clearance, and Stage 0 Checklists.**

08/22 - 08/24	**LADOTD 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 wetland delineation, a Scenic Rivers permit application, an emergency authorization application to the USACE, SOVs, and a final report. Mr. Hill prepared the SOVs packet and worked on the permit applications.
04/22 - 02/25	**LADOTD Tangi Off-System Bridge Prioritization; Tangipahoa Parish, LA:** ELOS was contracted to provide environmental services on five IIJA off-system bridges. We prepared an early Section 106 Tribal coordination packet and submitted it to the DOTD. We also performed a wetland delineation, SOVs, CATEX documents, and permit applications and drawings for six bridges to be replaced in District 62. Mr. Hill coordinated with USACE and prepared the SOV packet. [H.015407, H.015333, H.015404]
11/21 - Ongoing	**LADOTD Rural Bridges Phases I & II; Statewide, LA:** ELOS has been contracted to provide environmental consulting services for the replacement of 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 nine state project numbers and supplemental task orders, affecting multiple structures in Districts 5, 8, and 58. Almost all projects have included a wetland delineation, permit applications, a cultural resource survey, and a survey of T&E species. Mr. Hill has coordinated field crews to gather field data, including plot photos, and has worked on the permit submittal. [H.014242, H.014243, H.014245, H.014246, H.014247, H.014248, H.014249, H.014250, H.014268, H.015685]
04/22 - Ongoing	**N. Brickyard Rd. Bridge Replacement; Tangipahoa Parish, LA:** ELOS has been contracted to provide environmental clearance for the replacement of the North Brickyard Road Bridge. The project includes a CATEX prepared in accordance with FHWA guidance, and a wetland study and delineation are also required. Mr. Hill performed field delineation, prepared the SOVs packets for the permit application, and consulted with local and state entities to ensure the project complied with environmental regulations.

02/22 - Ongoing	**STP Lock No. 3 Replacement; St. Tammany Parish, LA:** ELOS has been contracted to conduct wetland delineation, submit JPAs, perform a SHPO Section 106 desktop review and consultation, and provide a U.S. Fish and Wildlife (USFWS) Endangered Species Act biological assessment for the St. Tammany Parish Lock No. 3 Bridge Replacement project. Mr. Hill performed the wetland delineation, identifying and mapping the site's wetland boundaries. Following this assessment, he compiled a wetland report that detailed his findings and analyses. This report was a crucial component of the JPA, ensuring compliance with environmental regulations and providing essential information for the regulatory review process. Mr. Hill is currently providing permitting services to support ongoing project needs and regulatory compliance. These services include preparing and submitting permit applications, coordinating with relevant agencies, and ensuring that all project activities comply with state and federal requirements.
04/22 - 08/23	**Lod Stafford Rd Bridge Replacement; Livingston Parish, LA:** ELOS has been contracted to provide environmental services that include aiding the client in the submittal of the Federal Emergency Management Administration's (FEMA) 8-Step Process, SOV process, performing a wetland delineation, and submitting a permit application to the 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. Mr. Hill delineated and entered data into the ArcGIS system to complete the wetland report.
11/21 - Ongoing	**Move Ascension—Phases II & III; Ascension Parish, LA:** ELOS is contracted to provide environmental services to support the feasibility, engineering, and design of more than 60 roadway improvement projects for Move Ascension. The projects have ranged from installing roundabouts at intersections of local roads with state highways to widening roads, adding turn lanes, adding J-turns, and providing new connector roads. ELOS' services have included assessing feasibility options, conducting wetland delineations, completing cultural resource evaluations, completing CATEX, and submitting permit applications to state and federal agencies, depending on the scope of the specific project. Mr. Hill has worked on the wetland delineation and has completed the report to be submitted to the USACE for the permit.
11/21 - 11/22	**Fox Hollow Bridge II; Tangipahoa Parish, LA:** ELOS completed an environmental assessment checklist to support the authorization of proposed activities for one layout design on approximately one acre of the Fox Hollow Bridge project, located in Tangipahoa Parish, LA. The project was funded by the Hazard Mitigation Grant Program (HMGP) and had to comply with federal and state regulations related to the FEMA Environmental and Historic Properties (EHP) review process. Mr. Hill assisted with the EA and conducted a wetland delineation to support the submission of a permit application to the USACE. This application sought to authorize the proposed project activities.
06/24 - Ongoing	**LADOTD South Suburban Canal Bridge; Jefferson Parish, LA:** ELOS is contracted to conduct a wetland delineation, jurisdictional determination, and a T&E species survey for the DOTD South Suburban Canal Bridge project in Jefferson Parish, LA. These services support the planned replacement of the existing three-span slab bridge over the South Suburban Canal on West Metairie Avenue in Metairie. Mr. Hill completed the delineation and consulted with local and state entities to ensure the project complied with environmental regulations. [H.015009]

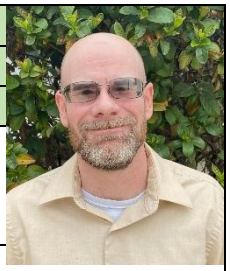


Firm employed by: **ELOS Environmental, LLC**			
Name	**MICHAEL BELLONE**	Years of relevant experience with this employer	**1.5**
Title	**Director of Environmental Services and Regulatory Affairs**	Years of relevant experience with other employer(s)	**37**
Degree(s) / Years / Specialization		MS / 1991 / Environmental Sciences BS / 1983 / Geological Sciences Post Graduate Studies in Applied Hydrogeology, Louisiana State University Post Graduate Studies in Geophysics, University of New Orleans	
Active registration number / state / expiration date		**Geologist** licensed in Mississippi #520, Alabama #800*, Tennessee #3924*, Wisconsin #320*, Texas #4344* Certified Hazardous Materials Manager #3849*	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Conduct Phase I and II Environmental Site Assessments and reports. **MPR No. 5**	

Michael Bellone has directed multidisciplinary environmental projects at over 1,200 sites across the United States, including Phase I and Phase II Environmental Site Assessments (ESAs), remedial investigations/feasibility studies, remediation services (soil, ground water, surface water, and sediment), permitting (air, water, soil) for government agencies, commercial clients, and private industry. He has extensive experience in LDEQ RECAP investigations. His specialties include hydrogeological investigations, site assessments, hazardous waste site closures, environmental permitting, regulatory compliance, health and safety audits, and the design of multimedia remedial systems. **At ELOS, Mr. Bellone oversees and assists with fieldwork, report writing, data processing, and file organization to ensure the successful completion of Phase I and II ESAs. He will lead this work for the DOTD projects.**

02/23 - Ongoing	**LADOTD Roundabout at Minnesota Park and Range Road; Tangipahoa Parish, LA:** ELOS is contracted to complete a wetland delineation to obtain a jurisdictional determination from the USACE and, if necessary, submit a permit application for a roundabout at the intersection of Minnesota Park and Range Road covering 2.5 acres. ELOS is collecting data and preparing the wetland delineation report for the USACE, which involves detailed field assessments to identify and map wetland boundaries and associated habitats in accordance with federal guidelines. The report assists with obtaining a jurisdictional determination from the USACE, clarifying whether proposed activities impact waters of the United States and require permits. ELOS also assisted with a CATEX, Phase I ESA, and the SOVs. Mr. Bellone is currently preparing a stormwater permit and SWPPP to ensure regulatory compliance and proper stormwater runoff management for the project site. [H.014340]
01/23 - Ongoing	**Baton Rouge Metropolitan Airport Phase II ESA; Baton Rouge, LA:** ELOS is contracted to conduct a Phase II ESAs at five gas stations, one carwash, and one salvage yard, on behalf of the Baton Rouge Metropolitan Airport. Mr. Bellone conducted subsurface soil and groundwater investigations by installing up to a maximum of seven soil borings via direct-push technology to a maximum depth of 32 feet below the ground surface. Following the Phase II Subsurface Investigation, Mr. Bellone led the team in drafting site-specific reports summarizing field activities, findings, conclusions, and recommendations. Additionally, the reports included a summary of the RECAP comparisons, prepared in accordance with LDEQ guidelines. ELOS is currently conducting Phase II Subsurface Investigations for three additional gas stations.
23 - Ongoing	**3520 Airline Highway Phase I, Phase II, and RECAP Site Investigation II; Jefferson Parish, LA:** Harvey Gulf International Marine contracted ELOS to perform a Phase I ESA on the subject property. ELOS completed a Phase I for the site and recommended a

	Phase II. The subsequent Phase II ESA identified contaminants above the RECAP Screening Standards. Mr. Bellone and his team conducted the RECAP Site Investigation from October 14 to October 17, 2025.
23	**Port of South Louisiana, Avondale Shipyard Phase I ESA; Jefferson Parish, LA:** ELOS was contracted to conduct a Phase I ESA for the Avondale Shipyard, a site spanning approximately 320 acres. The assessment aimed to identify potentially hazardous substances, evaluate the soil and groundwater for contamination, and provide conclusions based on these findings. Mr. Bellone provided project oversight and coordinated the assessment process to ensure compliance with environmental regulations and best practices, from initial planning to final reporting.
23 - Ongoing	**EBR Brownfield Assessment Grant; East Baton Rouge Parish, LA:** ELOS is contracted to provide grant management, a Quality Assurance Project Plan (QAPP), and conduct a Phase II ESA and pre-demolition testing for asbestos, mold, and lead-based paint on three properties throughout East Baton Rouge Parish, LA. The properties included historical buildings, such as a 1940s-era shelter and a grocery store. Mr. Bellone conducted a Phase II ESA investigation to assess the subject property's subsurface conditions to identify environmental concerns, if any, associated with the site that could become an environmental liability. He conducted a limited subsurface soil and groundwater investigation by installing a total of 6 soil borings using direct push technology, until the groundwater interface was encountered at the subject property or to a maximum depth of 30 feet below ground surface.
02/23 - 05/23	**Greater Lafourche Port Commission Phase I ESA; Cut Off, LA:** ELOS was contracted to complete a Phase I ESA for a 219-acre property before its acquisition by the Greater Lafourche Port Commission. ELOS conducted a site visit to identify evidence of recognized environmental conditions, past or present. Mr. Bellone conducted a pedestrian survey of the property, observing adjacent properties from the perimeter and public areas. Notable site features, uses, and conditions were photographed and included in the final report to support the assessment findings. ELOS gathered additional information through interviews with key managers, site owners, regulatory representatives, former landowners, operators, occupants, and stakeholders from neighboring properties. These interviews were conducted by phone, in writing, and in person to obtain a comprehensive understanding of the property's history and use.
07/23 - 08/24	**Livingston Parish Sheriff's Office - Emergency Response/Evacuation Center; Livingston Parish, LA:** After conducting a Phase I ESA, ELOS found no significant evidence of contaminants on the property. However, ELOS' environmental database and LDEQ file review revealed that contaminants likely existed due to the adjacent site history, including a nearby manufacturing plant. ELOS recommended conducting a Phase II Environmental Site Assessment of the subsurface soils and groundwater. Under the supervision of Mr. Bellone, 12 soil borings and 12 temporary wells were installed using direct-push technology, with a primary focus on the site's perimeter to identify potential contaminants that may have migrated onto the site from nearby facilities. ELOS submitted these samples for analysis and requested specific testing of those that may exceed the RECAP Screening Standards. Mr. Bellone continues to monitor the results and advise on strategies.
04/23 - 06/23	**Abita Springs Sanitation System Services; Abita Springs, LA:** ELOS was contracted to review current wastewater plant operations and permit requirements, evaluate feasibility options, and provide recommendations for enhancing the system's capacity and functionality. Mr. Bellone reviewed the Louisiana Department of Environmental Quality's files and permits, as well as the Environmental Protection Agency's Total Maximum Daily Load options; conducted a site visit; discussed legal options; and edited report drafts.

Firm employed by: **ELOS Environmental, LLC**				
Name	**TIMOTHY SOILEAU**		Years of relevant experience with this employer	**2**
Title	**Project Manager / Environmental Scientist**		Years of relevant experience with other employer(s)	**11**
Degree(s) / Years / Specialization			MS / 2002 / Environmental Planning BS / 2022 / Renewable Resources	
Active registration number / state / expiration date			NEPA Compliance / Environmental Assessments	
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities			Research, drafting and distributing SOVs, preparing and overseeing the Eight-Step Decision-Making Process, NEPA coordination, CATEX, and Environmental Review Records. **MPR No. 15**	

Mr. Soileau currently leads environmental analysis projects at ELOS and has experience providing these services for flood-risk-reduction projects. His responsibilities include conducting research, drafting and distributing SOVs, preparing and overseeing the Eight-Step Decision-Making Process to address potential impacts on floodplains and wetlands, and drafting reports summarizing environmental impact findings. These reports detail the methodologies used, assess direct and indirect effects, and provide recommendations for mitigation or further action to ensure project compliance with federal, state, and local environmental regulations. **Mr. Soileau will lead the team in obtaining approval and completing the designated NEPA Class of Action, including but not limited to data gathering, research, acquisition of addresses and contact information of affected and adjacent landowners, communications/mailings, stakeholder coordination, site investigation, technical studies, analyses, modeling, preparation and publication of documents, and public notices. His team will complete all forms, checklists, documents, exhibits, reports, technical materials, and the required attachments.**

01/26 - Ongoing	**DOTD Peters Road Bridge; Jefferson and Plaquemines Parishes, LA:** ELOS is contracted to provide environmental and cultural resources services in support of NEPA compliance for the DOTD Peters Road Bridge and Extension project, along and between LA Hwy 1261 and Peters Road. This nearly 100-acre project proposes to construct a two-lane, approximately 5-mile-long access roadway to improve connectivity between Peters Road and LA Hwy 23. ELOS has completed a wetland delineation for a site consisting of forested land, LA Hwy 3017, a bridge, a commercial business, levees, an intercostal waterway, Buccaneer Road, Peters Road, and drainage ditches, located in both parishes. Seven separate wetland areas were observed within the project area, but the majority of the area was deemed non-wetland. Mr. Soileau's team completed a noise and air quality studies. The findings showed that the project is not anticipated to significantly change the currently measured air quality and noise data.
08/24 - 06/26	**Firetower Road – LA 445 Corridor Study; Tangipahoa Parish, LA:** ELOS was contracted to lead a technical team to assess the costs, feasibility, and potential environmental impacts of roadway projects within the corridors of Firetower Road and LA 445, including the Firetower Road-Interstate-12 interchange. Mr. Soileau assisted the team with public involvement, plan reviews, and demographic and data-collection activities that formed the basis of an existing conditions evaluation report. ELOS then drafted the report, including an analysis of conceptual plans and growth scenarios to establish an overall assessment of probable costs and project recommendations, all of which were included in the Final Land Use and Transportation Scenario Planning Study.

11/17 - Ongoing	**Move Ascension - Phases II and III; Ascension Parish, LA:** ELOS is contracted to provide environmental services to support the feasibility, engineering, and design of more than 60 roadway improvement projects for Move Ascension. The projects have ranged from installing roundabouts at intersections of local roads with state highways to widening roads, adding turn lanes, adding J-turns, and providing new connector roads. ELOS' services have included assessing feasibility options, conducting wetland delineations, completing cultural resource evaluations, and submitting permit applications to state and federal agencies, depending on the scope of the specific project. Mr. Soileau completed the CATEX.
20 - Ongoing	**West Colyell Creek Drainage Improvement; Livingston Parish, LA:** ELOS was contracted to provide Section 404 Permitting Services of the Clean Water Act and Section 10 of the Rivers and Harbors Act and LDEQ Water Certification for the reshaping and widening of West Colyell Creek from US 190 to Buddy Ellis Road in Livingston Parish, LA. Mr. Soileau later completed an EA, including conducting research, preparing SOVs, applying the Eight-Step Decision-Making Process, and preparing a report of environmental impact findings.
01/24 - Ongoing	**Marvin Braud Pump Station and Levee System Improvements; Ascension Parish, LA:** ELOS is contracted to perform an EA, a wetland delineation, a Section 106 desktop review, and joint permit applications for the Marvin Braud pump station and levee system improvements funded through the FEMA-HMGP. The improvements include upgrades to the pump station, tying it to the north and south levees, and elevating the North, West, and Laurel Ridge levees. Mr. Soileau has worked on the EA and Statement of Views, reviewed FEMA's requirements for NEPA clearance, and coordinated with the regulatory agencies.
03/21 - Ongoing	**Hurricane Creek Project; Baton Rouge, LA:** ELOS was contracted by Manchac Consulting Group, Inc. to assist the GOHSEP and East Baton Rouge Parish in reducing widespread flooding during and after storm events. ELOS conducted a Section 106 Desktop Cultural Resources Survey and prepared an EA for the replacement of existing concrete panels in a concrete-lined channel as part of the Hurricane Creek project in Baton Rouge, LA. Mr. Soileau led the effort to gather and review all relevant data required for the EA. His research drew on a wide range of sources, including Manchac Consulting Group, FEMA, other federal and state agencies, state universities, and environmental conservation organizations. He then prepared and submitted a draft EA to FEMA for review. After receiving stakeholder and public comments on the draft EA, ELOS revised the document and incorporated all pertinent comments into a final report.
11/25 – 03/26	**Reserve Sidewalk; Reserve, LA:** ELOS was contracted to a perform an environmental review record (ERR) for the Reserve Sidewalk Project on an approximately 7,000 linear-foot site located from Central Avenue to East 31st Street in Reserve, LA. He then prepared and submitted a draft EA to HUD for review. After receiving stakeholder and public comments on the draft EA, he revised the document and incorporated all pertinent comments into a final report. Mr. Soileau is currently preparing an additional ERR for an additional project in the same area.
23 - Ongoing	**Tangipahoa Parish, CDBG-DR – Drainage Improvements and Retention Pond; Tangipahoa Parish, LA:** After compiling environmental data and writing grant applications to secure a $25 million LWI project, ELOS has been contracted to provide environmental and grant management services for drainage improvements in several neighborhoods, the replacement of two bridges, the acquisition of property for the construction of a detention pond, and the cleaning of laterals. ELOS assisted the Parish in identifying new projects in watersheds with the highest potential to reduce flood risk and reassessed the low- to moderate-income data for the grant applications. Mr. Soileau coordinated the Statement of Views documentation and conducted the EA in compliance with HUD standards.

Firm employed by **ELOS Environmental, LLC**				
Name	**FRED KINDRED**		Years of relevant experience with this employer	3
Title	**Geologist**		Years of relevant experience with other employer(s)	42
Degree(s) / Years / Specialization			MS/88/Earth Sciences BS/86/Earth Sciences	
Active registration number / state / expiration date				
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities			Conduct Phase I and II Environmental Site Assessments, and perform material sampling and testing (e.g., air monitoring) **MPR No. 4, 5**	

Fred Kindred's experience includes conducting Phase I and Phase II Environmental Site Assessments (ESAs) for both commercial and government clients. His Phase I ESAs have supported property ownership transfers, while his Phase II ESAs have focused on evaluating subsurface soil and groundwater conditions at a variety of industrial sites. Additionally, Mr. Kindred has experience assessing environmental impacts related to air quality, noise, and man-made hazards for transportation and drainage projects. **Mr. Kindred will assist with the Phase I and II as needed. He will also lead the air quality analyses.**

10/25 - Ongoing	**DOTD Peters Bridge; Jefferson and Plaquemines Parishes, LA:** ELOS is contracted to provide all environmental services for the project, this included NEPA clearance, permitting, wetland delineation, threatened and endangered species, cultural resource survey, and environmental site assessment. Part of these services included a noise study to provide a noise protocol with recommendations for noise abatement. Mr. Kindred worked on the air model and air reports to ensure accuracy of the data and findings.
11/23 -	**Marvin Braud Levee Improvements; Ascension Parish, LA:** ELOS was contracted to conduct a wetland delineation and jurisdictional determination, and an environmental assessment for the levee improvements. ELOS conducted an Phase I Environmental Site Assessment. Mr. Kindred performed the air study and modeling. He then wrote the report for submission to DOTD, including recommendations.
07/25- 07/25	**SwyftFiber Cameron Env. Consulting; Cameron Parish, LA:** ELOS was contracted to conduct limited environmental site assessments and lead testing at four buildings in Cameron Parish. ELOS completed subsurface investigations by boring to a depth of four feet and collecting soil samples for each boring. Mr. Kindred was in the field and collected the samples from the borings. He also assisted with the field assessment report, which documented site conditions and laboratory findings, and provided a professional opinion on potential risks and suggested remediation actions.
02/23 – 08/25	**Port of South LA Site Phase I ESA; Jefferson Parish, LA:** ELOS was contracted to conduct a comprehensive ASTM Phase I Environmental Site Assessment of a substantial 320-acre property known as the Avondale Shipyard. Mr. Kindred meticulously reviewed the Louisiana Department of Environmental Quality (LDEQ) records, coordinated effectively with various stakeholders, and actively gathered essential data. His collaborative efforts and thorough data collection contributed significantly to the preparation of a detailed report, which was subsequently submitted to the Port of South Louisiana, ensuring all environmental considerations were appropriately addressed.

01/23 – 10/23	**Greater Lafourche Port Commission Phase I ESA; Lafourche Parish, LA:** ELOS was contracted to perform a comprehensive ASTM Phase I Environmental Site Assessment of a 219-acre site for the Port Commission as part of a property purchase. The site assessment included a records review and a site visit to investigate the property. The site investigation included a pedestrian survey and interviews of the current property owner, site manager, and adjoining landowners. Mr. Kindred conducted the records review and finalized all inspections for the 23 parcels of property, providing a photo log of the site.
04/23 – 01/24	**LPSO 40-acre Site Phase I and II ESA; Livingston Parish, LA:** ELOS was contracted to conduct Phases I & II for a 40-acre site proposed as an Emergency Response Center. The Phase I assessment identified several nearby sites with the potential for contamination, including a large industrial site. A Phase II was recommended and conducted. Mr. Kindred completed the drilling and sample boring, collected the samples for testing, and collected water samples. Mr. Kindred monitored well locations throughout the project.

Firm employed by: **ELOS Environmental, LLC**				
Name	**JULIAN BLAINE**	Years of relevant experience with this employer	**1.5**	
Title	**Principal Archaeologist**	Years of relevant experience with other employer(s)	**6**	
Degree(s) / Years / Specialization		MA / 2024 / Archaeology BA / 2021 / Viking and Old Norse Studies		
Active registration number / state / expiration date		Registered Professional Archaeologist, 2024		
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities		Archeological Site Record Forms, Survey reports, Section 106 desktop reviews, terrestrial and maritime archaeology, Phase I, II, and III surveys, evaluations, and recoveries, and archaeological construction monitoring. **MPR No. 8**		

Mr. Blaine is a **Secretary of the Interior (SOI)-qualified, Registered Professional Archaeologist (RPA)** with expertise in archaeological management, excavation, and artifact analysis. He holds a Master of Arts in Archaeology from Uppsala University and has participated in archaeological fieldwork in Sweden, Finland, Germany, and the United States. Mr. Blaine, ELOS' principal investigator, has specialized experience in terrestrial archaeology, including Section 106 desktop assessments, Phase I surveys, Phase II testing, Phase III data recovery, historic structure assessment, preservation planning, research, and report preparation. His skills include investigating and documenting projects, delivering in-depth site histories to clarify historical context and inform National Register eligibility or district integrity. Mr. Blaine is also a U.S. Army veteran. **Mr. Blaine has experience working on multiple road and bridge projects. He will lead the cultural resource team. His Advisory Council on Historic Preservation's Section 106 course certification is included in this response.**

10/24 - Ongoing	**Brownswitch Road Bridge Replacement; St. Tammany Parish, LA:** ELOS provided environmental services for a bridge and culvert replacement on a 1.39-acre site along Brownswitch Road, St. Tammany Parish, LA. The project involved removing the existing bridge, constructing a temporary detour with culverts and drainage, and installing a new bridge and related infrastructure. Mr. Blaine assisted with conducting a CRM Section 106 desktop review to assess the project's potential impacts on cultural resources. He reviewed SHPO databases of historic properties and conducted a cemetery review to identify burial sites in the area. He also helped prepare maps and aerial images to support the cultural resource assessment. Mr. Blaine assisted with compiling and preparing a Section 106 desktop review report. This included summarizing findings, ensuring compliance with historic preservation requirements, and addressing potential impacts to cultural resources in the project area.
04/25 - Ongoing	**DOTD Delta Trail Study; Northeastern LA:** ELOS is contracted to provide environmental services in support of the Delta Trail Study, with the objective of analyzing construction alternatives that minimize negative environmental impacts. As part of this effort, ELOS identified and assessed environmental constraints at 25 potential trailhead locations, encompassing approximately 60 acres. These constraints—such as the need for additional consultation or permitting—may delay, alter, or prevent NEPA readiness for the proposed trailheads beyond what is typical for project requirements. To meet regulatory requirements, ELOS provided additional services to prepare documentation necessary for a CATEX from the FHWA. Mr. Blaine assisted with conducting an initial review of archaeological resources and proximity to existing structures, NRHP-listed sites, and tribal lands. This cataloging of site information and constraints was designed to ensure that proposed structures align with the LADOTD program objectives, timeline, and budget—and to support NEPA readiness for trail installation.

10/24 - Ongoing	**Old Mill Settlement Road - Section 106 Desktop Review; Livingston Parish, LA:** The Livingston Parish Government planned to replace a two-lane road between Mill Settlement Trace and LA Hwy 16 in Port Vincent, Louisiana, and contracted ELOS to perform a wetland delineation, submit a JPA, and conduct a Section 106 desktop review and consultation. The work aimed to mitigate repetitive flooding and involved elevating approximately 11 acres. Mr. Blaine researched cultural resources in the project area, including previous investigations, archaeological sites, cemeteries, and NRHP-listed structures, using the Louisiana SHPO database. He also analyzed historical aerial imagery and topographical maps to document changes in the area over time. Using this research, he formulated a recommendation to the Louisiana SHPO for a Phase I Cultural Resource Survey.
07/25 - Ongoing	**7238 Highway 75 Phase I Cultural Resources Survey; Ascension Parish, LA:** ELOS is contracted by Waggoner Engineering to provide environmental services and conduct a cultural resource survey for the proposed development of an approximately 79-acre site, including an additional servitude to the river spanning roughly 25.4 acres, located at 7238 Highway 75 in Geismar, LA. As the project is funded through the Water Infrastructure Finance and Innovation Act (WIFIA), a thorough assessment of all areas subject to potential disturbance was required to ensure compliance with NEPA. The survey area encompassed a wooded environment situated near the historic Ashland/Belle-Helene plantation. During the investigation, multiple cultural materials were uncovered through systematic STP excavations. Two archaeological sites—one newly identified and one previously recorded—were evaluated in detail. ELOS conducted and documented STPs, recorded archaeological sites, and led the field crew to designated STP locations. Mr. Blaine coauthored the cultural resource report, contributing to the documentation and assessment of the site's cultural significance.
06/24 - Ongoing	**Move Ascension, Phase III; Ascension Parish, LA:** ELOS is contracted to provide environmental services to support the feasibility, engineering, and design of more than 60 roadway improvement projects for Move Ascension. The projects have ranged from installing roundabouts at intersections of local roads and state highways to widening roads, adding turn lanes and J-turns, and providing new connector roads. ELOS conducted a Section 106 desktop review of the Roddy Road area as part of the third phase of the Move Ascension project. Mr. Blaine identified potential historic structures using SHPO databases and files. He also reviewed historic aerial images for structures in the area. ELOS identified historical structures from multiple sources, compiled them into a report, and sent it to the Client.
10/24 - 11/24	**LA 22 Gapping; Ascension Parish, LA:** ELOS was contracted to collect data, prepare a report for wetland delineation, submit a JPA, conduct a biological survey, coordinate compliance, survey bald eagles, complete a Phase I Environmental Site Assessment (ESA), support mitigation planning, and execute a Section 106 review and Phase I Cultural Resource Survey for the 328-acre LA-22 Gapping Project. For this road project, which includes replacing two bridges, Mr. Blaine reviewed the Section 106 research before the field survey. The Section 106 review site covers about 15.5 acres. Mr. Blaine assisted with the Phase I Cultural Resource Survey by performing augering and shovel tests to identify buried sites. He photographed the project area, wrote the introduction and methodology, and reviewed the entire report before submission to the Client.
08/25 - Ongoing	**Fish Hatchery Road Bridge; St. Tammany Parish, LA:** ELOS is contracted to conduct a wetland delineation, a JPA, and a Section 106 review for the Fish Hatchery Road Bridge in St. Tammany Parish. Mr. Blaine led the Section 106 desktop review. After locating several historic properties, four cemeteries, and two investigations, Mr. Blaine recommended that the investigation continue with a survey along Fish Hatchery Road and Bridge at high-probability intervals of 30 meters. ELOS is currently conducting a T&E species Gopher Tortoise Survey with USACE.

Firm employed by: **ELOS Environmental, LLC**				
Name	**SARAH KNAUER**		Years of relevant experience with this employer	**1**
Title	**Architectural Historian**		Years of relevant experience with other employer(s)	**10**
Degree(s) / Years / Specialization			MA / 2020 / Historic Preservation BA / 2016 / Anthropology	
Active registration number / state / expiration date			Section 106 course certificate from the Advisory Council on Historic Preservation	
Year registered	N/A	Discipline		
Contract role(s) / brief description of responsibilities			Historic Preservation, National Register Inventory Forms **MPR No. 9**	

Sarah Knauer, MS, brings 10 years of experience in historic preservation and archaeology across the northeastern and southeastern United States. Ms. Knauer has supported historic preservation initiatives by conducting survey planning, fieldwork, and evaluations of historic resources for federal, state, and private Clients. She has successfully prepared NR nominations, including submitting the NR listing for the Hammond High School Gymnasium in Hammond, LA. **She is a SOI-qualified Architectural Historian with experience working on bridge and road projects for multiple states. Her Advisory Council on Historic Preservation's Section 106 course certification is included in this response.**

10/25 - Ongoing	**Office of Louisiana Highway Construction - Bridge Projects, Statewide, LA:** ELOS is contracted to provide environmental and cultural resource services to support engineers in developing plans for the replacement of bridges in Vermilion, Terrebonne, Tangipahoa, St. Tammany, Livingston, and St. Bernard Parishes. Each bridge replacement site measures approximately 0.5 acres, and the total project area is approximately 6 acres. The bridges are situated along both natural and man-made waterways in areas identified by the Louisiana SHPO as having a high probability of containing archaeological sites and unrecorded historic properties. ELOS provided services required to obtain USACE regulatory permits, including submitting SOVs, conducting ground-level investigations of the right-of-way to locate wetlands, verifying the aerial base mapping, and providing cultural and historic resources evaluations for each bridge. Ms. Knauer evaluated each bridge and, if the proposed activities might affect any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the NRHP, including previously unidentified properties, and submitted a pre-construction notification to the district.
07/25 - Ongoing	**7238 Highway 75 Phase I Cultural Resources Survey, Ascension Parish, LA:** ELOS was contracted by Waggoner Engineering, Inc. to provide environmental services and conduct a cultural resource survey for the proposed development of an approximately 79-acre site, including an additional servitude to the river spanning roughly 25.4 acres, located at 7238 Highway 75 in Geismar, LA. As the project is funded through the WIFIA, a thorough assessment of all areas subject to potential disturbance was required to ensure compliance with NEPA. The survey area encompassed a wooded environment situated near the historic Ashland/Belle-Helene plantation. During the investigation, multiple cultural materials were uncovered through systematic STP excavations. Two archaeological sites—one newly identified and one previously recorded—were evaluated in detail. ELOS conducted and documented STPs, recorded archaeological sites, and led the field crew to designated STP locations. Ms. Knauer contributed to the cultural resource report and assessment of the site's cultural significance.
01/26 - Ongoing	**DOTD Peters Road Bridge, Jefferson and Plaquemines Parishes, LA:** ELOS performed a Phase I Cultural Resources Survey for Phase 3 of the Peters Road Bridge and Extension in Jefferson and Plaquemines Parishes, Louisiana, covering 97.74 acres. The project plans to build a new bridge across the Gulf Intracoastal Waterway and a 5-mile-long two-lane access road. Ms. Knauer completed the architectural survey within a 150-m APE, identifying resources, documenting historic resources, and

	determining eligibility. The survey recorded 16 new resources, none of which were eligible for the NRHP, including a railroad spur, two bridges, a waterway, and 11 buildings. ELOS found that no significant archaeological resources would be affected, but noted a potential adverse effect on the historic waterway and recommended that managers consult to mitigate this effect. The project should proceed as planned. [H.008069.5]
09/25 - Ongoing	**Clearwater Drover Millers Canal Bridge Replacement; Livingston Parish, LA:** ELOS is contracted to provide environmental and permitting services on an approximate 4-acre site to replace the bridge located on Clearwater Drive over Millers Canal in Livingston Parish, LA. Ms. Knauer has assisted with the Section 106 desktop review, identified all historic resources within the area of potential effect, and determined eligibility for the NRHP. She also assisted with QA/QC of the draft review report and edited it for overall consistency and clarity.
2025	**Alabo St. Warf, New Orleans, LA:** ELOS was contracted to conduct Section 106 consultations and develop a Historic Structure Resource Survey for Sunrise Foods for a development project in the Lower 9th Ward. The primary objective was to re-evaluate and document the historical significance of the Lower 9th Ward/Holy Cross Historic NR District within the City of New Orleans, as well as the historic commercial corridor along St. Claude Avenue. Ms. Knauer authored the report and personally surveyed approximately 240 historic buildings and structures, including a residential neighborhood and the commercial corridor. This extensive survey aimed to identify and assess cultural resources, providing valuable historical context for the area's ongoing preservation efforts. An LHRI form was completed for each, including a determination of eligibility.
2025	**Phase I Cultural Resources Survey - Bridge Replacement on SR-20 Over Norfolk Southern Railroad; Morgan County, AL:** TerraXplorations Inc. contracted to conduct a cultural resources survey. The survey included background research, archaeological and architectural surveys, and report preparation. The archaeological survey identified one site associated with a historic African American residential block dating from 1860 to 1990. Fifty-eight architectural resources were identified; 15 were newly identified. Seven of the structures appeared to be eligible or listed on the NRHP. Ms. Knauer researched, evaluated, and determined the significance of each historic resource and wrote the architectural history portion of the report.
2024	**Proposed South Boulevard Widening and Bridge Replacement over CSX Transportation Railroad Project; Montgomery County, AL:** TerraXplorations Inc. was contracted by TTL of Montgomery to conduct a cultural resources survey. The survey included background research, archaeological and architectural surveys, and report preparation. Twenty-three new architectural resources were identified, and twenty-one were recommended for exclusion from the NRHP. The Northwest and Florida Railroad and the First CME Church were recommended for NRHP eligibility. Ms. Knauer researched, evaluated, and determined the significance of each historic resource, and wrote the report's architectural history results section.
2024	**Tara Blvd/US 41 Widening, Jonesboro, GA:** TerraXplorations Inc. was subcontracted by Kimley-Horn to conduct the Georgia Department of Transportation (GADOT) historic resource survey for the 14-mile widening of Tara Boulevard/US 41. Parcels adjacent to the project area were evaluated to determine if any historic-aged resources were present. In instances where a historic resource was identified, the entire parcel, including land, buildings, outbuildings, and other structures, was photographed, described, and analyzed to identify historic and non-historic material elements. Additionally, a development history was constructed for each parcel, from the earliest available historical aerial photograph to the present day, documenting changes over time. This information was compiled within Property Information Forms (PIFs). Ms. Knauer identified, researched, documented, and compiled 100 of the 200 PIFs drafted for this project, and for sending the SOVs.

Firm employed by: **ELOS Environmental, LLC**				
Name	**JACOB O'NEAL**		Years of relevant experience with this employer	**1.5**
Title	**Archaeologist Field Technician**		Years of relevant experience with other employer(s)	**1.5**
Degree(s) / Years / Specialization			BA / 2024 / Anthropology	
Active registration number / state / expiration date				
Year registered	NA	Discipline	NA	
Contract role(s) / brief description of responsibilities			Field Technician	

Jacob O'Neal recently earned his degree in Anthropology/Archaeology from the University of Southern Mississippi. Before joining ELOS, Jacob collaborated with several firms, contributing to detailed, well-documented field surveys across Georgia, Mississippi, Texas, Louisiana, and Virginia. He is committed to professional development and has already completed the Advisory Council on Historic Preservation's Section 106 course—his certificate is included with this submission. Jacob's diverse project experience and dedication to best practices make him a valuable addition to the ELOS team.

10/25 - Ongoing	**Office of Louisiana Highway Construction - Bridge Projects; Statewide, LA:** ELOS was contracted to provide environmental and cultural resource services to support the project engineers in developing plans for the replacement of bridges in Vermilion, Terrebonne, Tangipahoa, St. Tammany, Livingston, and St. Bernard Parishes. Each bridge replacement site measures approximately 0.5 acres, and the total project area is approximately 6 acres. The bridges are situated along both natural and man-made waterways in areas identified by the Louisiana SHPO as having a high probability of containing archaeological sites and unrecorded historic properties. ELOS provided services required to obtain USACE regulatory permits, including submitting SOVs, conducting ground-level investigations of the right-of-way to locate wetlands, verifying the aerial base mapping, and providing cultural and historic resources evaluations for each bridge. Mr. O'Neal assisted in evaluating each bridge and in submitting a pre-construction notification to the district engineer if the proposed activities might affect any historic properties listed on, determined to be eligible for listing on, or potentially eligible for listing on the NRHP, including previously unidentified properties.
04/25 - Ongoing	**DOTD Delta Trail; Concordia, Tensas, Madison, and East Carroll Parishes, LA:** ELOS is contracted to provide environmental services in support of the Delta Trail Study, with the objective of analyzing construction alternatives that minimize negative environmental impacts. As part of this effort, ELOS identified and assessed environmental constraints at 25 potential trailhead locations, encompassing approximately 60 acres. These constraints—such as the need for additional consultation or permitting—may delay, alter, or prevent NEPA readiness for the proposed trailheads beyond what is typical for project requirements. To meet regulatory requirements, ELOS provided additional services to prepare documentation necessary for a Categorical Exclusion from the FHWA. Mr. O'Neal assisted with conducting an initial review of archaeological resources and proximity to existing structures, NRHP-listed sites, and tribal lands. This cataloging of site information and constraints was designed to ensure that proposed structures align with the LADOTD program objectives, timeline, and budget—and to support NEPA readiness for trail installation.
2/25 - Ongoing	**7238 Highway 75 Phase I Cultural Resources Survey; Ascension Parish, LA:** ELOS is contracted by Waggoner Engineering to provide environmental services and conduct a cultural resource survey for the proposed development of an approximately 79-

	acre site, including an additional servitude to the river spanning roughly 25.4 acres, located at 7238 Highway 75 in Geismar, LA. As the project is funded through the WIFIA, a thorough assessment of all areas subject to potential disturbance was required to ensure compliance with NEPA. The survey area encompassed a wooded environment situated near the historic Ashland/Belle-Helene plantation. During the investigation, multiple cultural materials were uncovered through systematic STP excavations. Two archaeological sites—one newly identified and one previously recorded—were evaluated in detail. Mr. O'Neal played a key role in the project, conducting and meticulously documenting STPs, recording archaeological sites, and leading the field crew to designated STP locations. He also served as a coauthor of the cultural resource report, contributing to the documentation and assessment of the site's cultural significance.
08/25 - Ongoing	**Fish Hatchery Road Bridge; St. Tammany Parish, LA:** ELOS is contracted to conduct a wetland delineation, a JPA, and a Section 106 review for the Fish Hatchery Road Bridge in St. Tammany Parish. ELOS Mr. O'Neal assisted with completing research and writing a report for the Section 106 desktop review. After locating several historic properties, four cemeteries, and two investigations, ELOS recommended that the investigation continue with a survey along Fish Hatchery Road and Bridge at high-probability intervals of 30 meters. ELOS is currently conducting a T&E species Gopher Tortoise Survey with USACE.
01/26 - Ongoing	**DOTD Peters Road Bridge; Jefferson and Plaquemines Parishes, LA:** ELOS performed a Phase I Cultural Resources Survey for Phase 3 of the Peters Road Bridge and Extension in Jefferson and Plaquemines Parishes, Louisiana, covering 97.74 acres. The project plans to build a new bridge across the Gulf Intracoastal Waterway and a 5-mile-long two-lane access road. Mr. O'Neal assisted in conducting a Phase I Survey and excavating 233 STPs at 30 m high-probability intervals. He also assisted with the background research and coauthored the final report. All excavated tests were negative for cultural resources. ELOS found that no significant archaeological resources would be affected, but noted a potential adverse effect on the historic waterway and recommended that managers consult to mitigate. The project should proceed as planned. [H.008069.5]
2025	**Alabo St. Warf; New Orleans, LA:** ELOS was contracted to conduct Section 106 consultations and develop a Historic Structure Resource Survey for Sunrise Foods in connection with their development project in the Lower 9th Ward. The primary objective of the project was to re-evaluate and document the historical significance of the Lower 9th Ward/Holy Cross Historic NR District within the City of New Orleans, as well as the historic commercial corridor along St. Claude Avenue. Mr. O'Neal assisted the architectural historian with the final survey of approximately 240 historic buildings and structures, updating the LHRI forms and drafting the field report. This extensive survey aimed to identify and assess cultural resources, providing valuable historical context for the area's ongoing preservation efforts. An LHRI form was completed for each, including a determination of eligibility.
2025	**Orphan Wells Consulting Services Cultural Resource; Tangipahoa Parish, LA:** ELOS was contracted to provide archaeological monitoring for the Louisiana Wells Plug and Abandon project. ELOS SOI-qualified archaeologist monitored all activities in real time, in collaboration with construction and clearing crews, to pause work and ensure that any unexpected discoveries are promptly assessed and appropriately managed. The archaeologist monitored the project site to ensure compliance with cultural resource laws and regulations, thereby preserving historical integrity and facilitating the documentation and interpretation of archaeological findings that contribute to our understanding of past human activities and environments. Mr. O'Neal was responsible for conducting the background research on the well sites and assisting with the final report.

Firm employed by: **ELOS Environmental, LLC**				
Name	**JJ PEARSALL**	Years of relevant experience with this employer	**2**	
Title	**GIS Manager**	Years of relevant experience with other employer(s)	**18**	
Degree(s) / Years / Specialization		BA / 2004 / Geography		
Active registration number / state / expiration date				
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		GIS Services, Environmental Constraint Mapping		

JJ Pearsall leads the ELOS team of GIS Specialists and Analysts and oversees all GIS projects. Mr. Pearsall's past experience includes maintaining city asset data (roads, bridges, drainage), entering disaster data for major weather events, and creating public maps for multiple cities. He has experience analyzing a wide range of environmental and geospatial resources, including U.S. Geological Survey (USGS) topographic quadrangle maps, National Hydrography Dataset maps, Natural Resources Conservation Service (NRCS) soil survey maps, U.S. Fish and Wildlife Service (USFWS) National Wetlands Inventory maps, FEMA Flood Insurance Rate Maps, and Louisiana Archaeological Sites Atlas (TASA) to develop accurate GIS datasets of terrain and floodwater elevations that support environmental assessments and project planning. **Mr. Pearsall will lead the GIS team in creating maps, renderings, and exhibits.**

01/26 - Ongoing	**LADOTD Peters Road Bridge H.008069.5; Jefferson and Plaquemines Parishes, LA:** ELOS was contracted to collect data and prepare a report to support a wetland delineation to obtain a jurisdictional determination from the USACE for an approximately 22-acre site for the DOTD Peters Road Extension Phases II and III. ELOS also performed a Phase I Cultural Resources Survey. The project plans to build a new bridge across the Gulf Intracoastal Waterway and a 5-mile-long two-lane access road. Mr. Pearsall assisted in creating and updating the site outline and delineation figures for the project.
06/24 - Ongoing	**Move Ascension, Phase III; Ascension Parish, LA:** ELOS is contracted to provide environmental services to support the feasibility, engineering, and design of more than 60 roadway improvement projects for Move Ascension. The projects have ranged from installing roundabouts at intersections of local roads and state highways to widening roads, adding turn lanes and J-turns, and providing new connector roads. ELOS' services have included assessing feasibility options, conducting wetland delineations, completing a Section 106 desktop review of Roddy Road, completing CATEXs, and submitting permit applications to state and federal agencies, depending on the project's scope. Mr. Pearsall led the GIS team, ensuring figures, waterways, and wetland outlines were accurate. He also compiled shapefiles into a Geodatabase for USACE and created site outlines from AutoCAD drawings.
02/22 - Ongoing	**LA 22 Gapping; Ascension Parish, LA:** ELOS is contracted to collect data, prepare a report for wetland delineation, submit a JPA, conduct a biological survey, coordinate compliance, survey bald eagles, complete a Phase I ESA, support mitigation planning, and execute Section 106 review for the 328-acre LA-22 Gapping Project. For this road project, which includes replacing two bridges, Mr. Pearsall has created maps and figures showing cultural resources, wetland boundaries, nesting areas, data points, and key site features for the JPA package to aid regulatory review and agency coordination.
04/24 - Ongoing	**DOTD LA 3127 Widening; St. James Parish, LA:** ELOS has been contracted to perform a wetland delineation and submit a JPA for a 128-acre tract of land located along LA-3127 in Vacherie, LA. The project involves the proposed widening of the existing roadway and requires an assessment of potential impacts on wetlands and other jurisdictional waters within the project

	corridor. ELOS conducted a wetland delineation in accordance with USACE protocols, identifying and mapping the boundaries of all wetlands within the project area. Mr. Pearsall, ELOS' GIS Manager, developed figures and maps that clearly illustrate the delineated wetland boundaries, cultural resources, habitats, data point locations, and relevant site features. These figures were prepared for inclusion in the JPA submittal package to support regulatory review and facilitate agency coordination.
04/25 - Ongoing	**DOTD Delta Trail; Concordia, Tensas, Madison, and East Carroll Parishes, LA:** ELOS is contracted to provide environmental services in support of the Delta Trail Study, with the objective of analyzing construction alternatives that minimize negative environmental impacts. As part of this effort, ELOS identified and assessed environmental constraints at 25 potential trailhead locations, encompassing approximately 60 acres. These constraints—such as the need for additional consultation or permitting—may delay, alter, or prevent NEPA readiness for the proposed trailheads beyond what is typical for project requirements. Mr. Pearsall oversaw and created a series of high-quality, presentation-ready maps detailing trail segments and reaches throughout Concordia, Tensas, Madison, and East Carroll Parishes. The final deliverables will include user-friendly maps highlighting potential routes, access points, and connections between trails. These maps will guide the Client's decision-making process and facilitate communication of project alternatives to stakeholders.
02/25 - Ongoing	**7238 Highway 75 Phase I Cultural Resources Survey; Ascension Parish, LA:** ELOS was contracted by Waggoner Engineering, Inc. to provide environmental services and conduct a cultural resource survey for the proposed development of an approximately 79-acre site, including an additional servitude to the river spanning roughly 25.4 acres, located at 7238 Highway 75 in Geismar, LA. As the project is funded through the WIFIA, a thorough assessment of all areas subject to potential disturbance was required to ensure compliance with NEPA. ELOS conducted a Phase I ESA, a wetland delineation, a Section 106 desktop review, a threatened and endangered species desktop survey, and a Phase I Cultural Resource Survey. Mr. Pearsall assisted in creating and updating the site outline and delineation figures for the project.
05/24 - Ongoing	**Livingston Parish Government Dept of Public Works - GIS General Services; Livingston Parish, LA:** ELOS was contracted to develop and enhance Livingston Parish's Department of Public Works GIS database. The scope of work included efficiently managing shapefiles and CAD files to maintain data integrity and facilitate seamless access to crucial geographical information; organizing and managing the geodatabase; and ensuring data is stored optimally for user accessibility and future scalability. Additionally, Mr. Pearsall provided GIS tutorials and technical support to the LPG Department of Public Works team, enabling them to use GIS tools effectively.

Firm employed by: **ELOS Environmental, LLC**				
Name	**RICK NEAL**		Years of relevant experience with this employer	**6**
Title	**GIS Analyst**		Years of relevant experience with other employer(s)	**0**
Degree(s) / Years / Specialization			BA / 2004 / Geography	
Active registration number / state / expiration date				
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			GIS Services, Environmental Constraint Mapping	

Rick Neal provides data collection, data analysis, and mapping services for clients and has served as a GIS Analyst at ELOS since December 2019. His responsibilities also include assisting in the preparation of technical reports. Mr. Neal is proficient in ArcGIS Online, ArcMap, ArcGIS Pro, ArcGIS Field Maps, ArcGIS Survey123, Python, SQL, VBA, Expert GPS, BaseCamp, and Google Earth. Utilizing these tools, he collects and interprets field data to support the development of NEPA documentation, T&E Species Surveys, Wetland Delineations and Jurisdictional Determinations, Phase I ESAs, Section 404/10 and Coastal Use Permit applications, and wetland assessment models. **Mr. Neal will assist the GIS team with creating maps, renderings, and exhibits.**

09/22 - Ongoing	**LADOTD IIJA Off-System Bridges District 62; Statewide Parish, LA:** This off-system bridge project involves replacing six bridges in Livingston, St Helena, St. John the Baptist, St. Tammany, Tangipahoa, and Washington Parish. ELOS is performing wetland delineations, completing permit applications, soliciting views to document categorical exclusions for the proposed work, conducting cultural resources research, preparing tribal packets and reports, and writing navigability determination reports. Mr. Neal developed permit map figures for the wetland delineation and permitting process—including topographic/vicinity maps, aerial maps, plan views, proposed impact diagrams, and cross sections—based on project CAD plans.
04/24 - Ongoing	**DOTD LA 3127 Widening; St. James Parish, LA:** ELOS has been contracted to perform a wetland delineation and submit a JPA for a 128-acre tract of land located along LA-3127 in Vacherie, LA. The project involves the proposed widening of the existing roadway and requires an assessment of potential impacts on wetlands and other jurisdictional waters within the project corridor. ELOS conducted a wetland delineation in accordance with USACE protocols, identifying and mapping the boundaries of all wetlands within the project area. Mr. Neal assisted with developing figures and maps that clearly illustrate the delineated wetland boundaries, cultural resources, habitats, data point locations, and relevant site features. These figures were prepared for inclusion in the JPA submittal package to support regulatory review and facilitate agency coordination.
01/24 - Ongoing	**Marvin Braud Pump Station and Levee System Improvements; Ascension Parish, LA:** ELOS is contracted to perform an environmental assessment, a wetland delineation, a Section 106 desktop review, and joint permit applications for the Marvin Braud pump station and levee system improvements funded through the FEMA Hazard Mitigation Grant Program. The improvements include upgrades to the pump station, tying the pump station into the north and south levees, and elevating the North, West, and Laurel Ridge levees. Mr. Neal created a project area vicinity map, aerial map, cultural resources map, previous investigations and archaeological sites map, and a historic properties and cemeteries map. He also set up the field mapping system and survey protocols to enable efficient data collection by field crews.
21 - 23	**Ascension Parish Assessor Land Improvement GIS; Ascension Parish, LA:** ELOS has integrated 1,300 targeted parcels into the Ascension Parish Assessor's website's online maps, significantly enhancing user accessibility and experience. Mr. Neal's work

	involved meticulous matching and verification of addresses and assessment numbers to ensure data accuracy. This data encompasses current and past landowners, plat numbers, and book and page references. By using ArcGIS Pro, ELOS effectively linked relevant information to the shapefiles delineating parcel boundaries, enhancing data management and analytical capabilities.
2/24 - Ongoing	**West Shore Lake Pontchartrain Connector Levee; St. James Parish, LA:** ELOS is contracted to perform a wetland delineation and Section 106 desktop review and to submit a geotechnical boring permit and a joint permit application for the 99-acre site for the installation of a pump station, 7.5-foot earthen levees, a gravity drainage system, and water control structures. Mr. Neal created a project area vicinity map, aerial map, cultural resources map, previous investigations and archaeological sites map, and a historic properties and cemeteries map. He also set up the field mapping system and survey protocols to enable efficient data collection by field crews.
4/19 - Ongoing	**Bert Allen Ditch Detention Pond; Ascension Parish, LA:** Ascension Parish built four timber bridges at different locations along approximately 11 acres (100' x 717') of the Bert Allen Ditch. The project involved removing and properly disposing of existing bridges, transporting timber to the site, and constructing new bridges. ELOS conducted and submitted a wetland delineation to the New Orleans District of the Corps of Engineers to assess potential jurisdictional wetlands and other waters on the same 11 acres. ELOS also prepared and submitted a permit application for authorization under Section 404 of the Clean Water Act and for Water Quality Certification from the LDEQ. Additionally, ELOS conducted data collection and analysis, and developed project plans and strategies to improve the regional drainage canal. Mr. Neal developed a project area vicinity map, aerial map, cultural resources map, previous investigations and archaeological sites map, and a historic properties and cemeteries map. Additionally, he established the field mapping system and survey protocols to streamline data collection for field crews.
19 - 21	**City Of Kenner GIS; Jefferson Parish, LA:** ELOS was contracted to provide various GIS-related services for multiple City of Kenner projects. ELOS provided an initial assessment, which evaluated the City's existing GIS infrastructure and data to identify strengths and areas for improvement. The team then determined current and future GIS requirements to support urban growth and technology trends, and provided recommendations to enhance GIS functionality and efficiency. For some of the projects, Mr. Neal assisted with identifying, locating, documenting, and mapping drain lines and drain inlets for the City of Kenner. Mr. Neal also created and published surveys that allow city workers to mark, collect, and map out data for inspections and code violations.
21 - 23	**Ascension Parish Assessor Land Improvement GIS; Ascension Parish, LA:** ELOS has integrated 1,300 targeted parcels into the Ascension Parish Assessor's website's online maps, significantly enhancing user accessibility and experience. Mr. Neal's work involved meticulous matching and verification of addresses and assessment numbers to ensure data accuracy. This data encompasses current and past landowners, plat numbers, and book and page references. By using ArcGIS Pro, ELOS effectively linked relevant information to the shapefiles delineating parcel boundaries, enhancing data management and analytical capabilities.
2021	**Tangipahoa Watershed Culvert Project; Tangipahoa Parish, LA:** ELOS was contracted to provide GIS services for the Tangipahoa Watershed Culvert Project. Mr. Neal assisted with this project by creating and publishing a survey that enabled the field crew to mark and collect data on more than 5,000 culverts in Tangipahoa.

Firm employed by ***ECM Consultants, LLC***					
Name	**SUDHIR MEHTA, P.E.**			Years of relevant experience with this employer	**8**
Title	**Senior Structural Engineer**			Years of relevant experience with other employer(s)	**47**
Degree(s) / Years / Specialization				**BS/1972/Civil Engineering, MS/1976/Civil Engineering**	
Active registration number / state / expiration date				**18950/ LA / 3-2028**	
Year registered	**1980**	Discipline		**Civil Engineering**	
Contract role(s) / brief description of responsibilities				**Mr. Mehta will serve as Bridge Structural Engineer for this contract. MPR No. 11**	

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).
55 years of Experience	*Mr. Mehta has more than **55 years** of experience in the analysis and structural design of **bridges,** major hydraulic structures such as pumping stations, various flood control structures for multiple USACE districts, states, and municipalities*
02/18- 05/20	**Port Hudson Bridge Replacement, City of Baton Rouge/East Baton Rouge Parish, LA:** Mr. Mehta served as Structural Engineer for the replacement of Port Hudson Pride Road Bridge at Copper Mill Bayou. He performed preliminary design, prepared the design study for the bridge, and coordinated and incorporated hydraulic analysis, environmental and geotechnical considerations, and topographic survey. He performed the final design and was responsible for preparing the final construction plans, specifications, and estimates (PS&E). He also performed **bridge load rating** in accordance with LADOTD/AASHTO requirements.
05/18-09/20	**West Metairie Bridge, Jefferson Parish, LA:** Mr. Mehta served as the **Structural Engineer** for this bridge replacement project. Scope of work included preparation of construction documents, plans, specifications, and estimates PS&E) for the replacement of the existing bridge on West Metairie Ave over Soniat Canal. The work included demolition of the existing bridge, design of **100 feet cast in place bridge** with Quad Prestressed Concrete Beams, design of approach slabs and erosion protection, as necessary. The analysis and design of the bridge were performed in conformance with the AASHTO LRFD Bridge Design Standards as well as the requirements of the Louisiana LRFD Bridge Design Manual, Latest edition.
05/17 – 09/19	**Strain Road Bridge Over Drainage Bayou, Baton Rouge, LA:** Mr. Mehta served as a project engineer for a design study report that included comprehensive hydrologic and hydraulic analysis and preliminary and final design services for the Strain Road Bridge over Drainage Bayou project. He was involved in the preparation of a design report with two design alternatives that included replacing the existing bridge with two 60-foot-long, 8' x 8' box culverts with 150 feet of channel improvement, and the second included replacing the existing bridge with a new 100-foot-long **bridge** with some channel improvement downstream of the channel. Based on the benefit-cost analysis (BCA), the first alternative was selected by the city. He performed structural design and was responsible for the preparation of construction plans of two 8' x 8' box culverts and a two-lane asphaltic concrete roadway with a subsurface drainage system.
04/19 – 08/20	**Lapalco Blvd. bridge over Bayou Segnette, DPW-Jefferson Parish, LA:** Mr. Mehta performed QA review of structural engineering design and plans and specifications services for rehabilitation of this 40-year-old, 3000' long, high-rise, concrete and steel girder bridge. Work included replacement of 182 bearing pads under the girders, repainting of steel girders, replacement of expansion joints, curtain walls, miscellaneous repairs, and replacement of the bridge railings, for an estimated cost of $4.1 million. ECM's FHWA NHI-certified engineers and inspectors provided safety inspection services for this bridge, and findings led to ECM's recommendation to raise the height of the

	safety rail on both sides of this 3,000-foot-long bridge. Recommendations included retrofitting the existing rail with metal railing or removing and replacing the existing rail, and cost estimates have been presented to the owner. The project also included **bridge load rating** in accordance with LADOTD/AASHTO requirements.
08/20-Ongoing	**West Shore Lake Ponchartrain (WSLP) Flood Risk Reduction Project, Segments 102 and 106, USACE Contract No. W912-P8-16-D-0005, Task Order 0011, St. Charles Parish, LA:** Mr. Mehta served as the project engineer for this $118 million project to construct a 100-year level flood risk reduction system for the residents of the three parishes. The WSLP 102 and WSLP 106, approximately 2 miles long, are part of an 18.5-mile-long West Shore Lake Pontchartrain project at its east approach. The salient features of this contract are earthen levees, t-walls, a drainage structure, and a bridge over a **drainage canal.** The flood mitigation configuration is such that a portion of the T-wall construction in this reach crosses the existing I-10 alignment and must be constructed under the I-10 eastbound and westbound bridges**.** The scope of work of the WSLP 102 & 106 contracts includes engineering design, preparation of PS&E for all civil, structural, mechanical, electrical, and geotechnical engineering considerations.
03/17-04/19	**Drainage Box culvert, Phase I of Mounes Street** (Dickory Avenue to Elmwood Park Blvd.), **DPW-Jefferson Parish, LA:** Mr. Mehta performed structural analysis and design for the **phase 1** of this four-phase project that includes 4,900 LF of 10'x8' box culvert from Dickory Ave. to Crochet Ditch. This first phase included approximately 1,280 linear feet of precast 10'x8' box culverts, which will tie in to the existing box culverts from the Pump-to-the-River (PTTR) project. He also provided analysis and design for the concrete junction boxes and conflict boxes.
06/97-08/99	**Drainage Pumping Station 1, Sewerage and Water Board of New Orleans, Orleans Parish, LA.** Mr. Mehta served as the project engineer on this project involving the addition of a horizontal pump. The entire suction side was reconstructed with the top of the suction basin slab, designed as a bridge supported on reinforced concrete beams and columns. The substructure was a concrete mat supported on timber piles. Mr. Mehta performed the structural design and was responsible for preparing the project's plans and specifications.
04/19-05/21	**Drainage Box culvert, Phase IV of Mounes Street** (Dickory Avenue to Elmwood Park Blvd.), **DPW-Jefferson Parish, LA:** Mr. Mehta performed structural analysis and design of **Phase IV** of this four-phase project that includes 4,900 LF of 10'x8' box culvert from Dickory Ave. to Crochet Ditch. This fourth phase included approximately 700 linear feet of precast 10'x8' box culverts, which will tie in to the existing box culverts from the Pump-to-the-River (PTTR) project.
01/16-03/18	**Gretna Ferry Landing, Gretna, LA:** Mr. Mehta served as the project engineer for this project. The project scope included the structural design of the ramp from the Ferry parking structure at an approx. elevation of 15.0 to the Mississippi River Batture. The length of the ramp was approximately 120 ft. The substructure, comprised of the pile bents and superstructure, was a steel girder-framed structure. The bent caps were concrete, and the piles were steel pipe. The scope also included design, preparation of the construction contract document, and construction administration.
01/84-07/86	**Drainage Pumping Station 19, Sewerage and Water Board of New Orleans, Orleans Parish, LA:** Mr. Mehta performed the structural design of a 125 ft. vehicular **bridge for the inlet canal** in connection with the pump station design. The bridge was a slab span bridge continuously supported on concrete piers. The bridge foundation was a concrete mat on timber piles**.**

Firm employed by ***ECM Consultants, LLC***					
Name	**NEIL LOGAN, P.E.**			Years of experience with this firm/employer	**14**
Title	**Senior Bridge Engineer**			Years of experience with other firm(s)/employer(s)	**40**
Degree(s) / Years / Specialization				**B.S. / 1961 / Civil Engineering**	
Active registration number / state / expiration date				**14607 / LA / 03/31/2027**	
Year registered	**1974**	Discipline		**Civil Engineering**	
Contract role(s) / brief description of responsibilities				**Mr. Logan will serve as Project Engineer for Bridge Design. He meets MPR No. 11**	

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 years of experience specified in the applicable MPR(s).
54 years of Experience	*Mr. Logan has over 54 years of experience in structural design and construction administration of various types of bridge projects in Louisiana.*
03/14-12/22	**Lapalco Boulevard Bridge Over Bayou Segnette, Jefferson Parish DPW, Jefferson Parish, LA.Mr.** Logan provided comprehensive bridge inspection and design for the rehabilitation of a 40-year-old 3,000 ft. long high-rise bridge consisting of prestressed concrete and steel girders with CIP deck, bents that are supported by a reinforced concrete pier/column system resting on pile-supported concrete footings. Scope for these $2.5 million (excluding bridge railing) projects that included structural inspections of girders, bents, risers, anchor bolts, bearing pads, deck, railings, curtain walls, and approaches, etc., as well as underwater inspections of the piers and foundation and scour depths. He designed a support structure for a bent cap where the deck slabs have slid substantially on the bent cap, new curtain walls, jacking and raising for replacing all neoprene bearing pads, and miscellaneous repairs.
11/16 -8/18	**West Metairie Bridge, Jefferson Parish, LA:** Mr. Logan provided structural engineering services for this bridge replacement project. The scope of work included preparation of construction documents, plans, and specifications for the replacement of the existing bridge on West Metairie Ave over Soniat Canal. The work included demolition of the existing bridge, design of a 100-foot cast-in-place bridge with Quad Prestressed Concrete Beams, design of approach slabs, and erosion protection as necessary. The analysis and design of the bridge is performed in conformance with the AASHTO LRFD Bridge Design Standards as well as the requirements of the Louisiana LRFD Bridge Design Manual, Latest edition
06/09-09/12	**USACE Contract No. W912P8-07-D-0055: Causeway Boulevard Overpass Complex, USACE-New Orleans District, Jefferson Parish, LA:** Mr. Logan provided structural design services and engineering during construction for the North and South approaches for the overpass structure at Causeway Boulevard in Jefferson Parish for the U.S. Army Corps of Engineers. Work included the design of the approach slab, slab spans, piles, and pile caps. Structural design was conducted using AASHTO Standard Specifications for Highway and Bridges.
05/10-10/13	**USACE Contract No. W912P8-07-D-0055: Duncan Canal Bridges, Kenner, LA:** As senior structural engineer for this U.S. Army Corps of Engineers-New Orleans District Project, Mr. Logan designed two bridges north of the Duncan Canal Pumping Station as per AASHTO standards. Services included design and preparation of plans and specifications, and engineering during construction. The design included piles, pile caps, pre-stressed concrete girders, a concrete slab, a concrete barrier, and wing walls. An innovative design of a 45’ pre-stressed concrete girder span with a removable section instead of a conventional steel section was used. A removable section was required for barge/barge crane access to the drainage pumping station.

08/03-06/04	**S.P. No. 700-29-0121: St. John Bridge over Bayou Lafourche, Lafourche Parish, LA:** Mr. Logan provided structural engineering services during construction for the replacement of an existing bridge with a 9x20' slab span bridge. The project involved hydraulic analysis, design, preparation of plans, specifications, and estimates (PS&E) for the removal of the existing bridge, new pile foundation substructure, bridge superstructure, concrete barrier rails, asphalt roadway transition, striping, ripraps, and guardrail.
04/02-11/04	**S.P. Nos. 713-59-0221 & 713-59-0222: Poplas Street Bridge over Coburn Creek & Noble Cemetery Road Bridge over Thomas Creek, Washington Parish, LA:** Mr. Logan provided structural engineering design for pile foundation substructures for five span x 20' slab bridges conforming to both LADOTD and AASHTO standards for the Poplas Street Bridge over Coburn Creek and Noble Cemetery Road Bridge over Thomas Creek in Washington Parish for LADOTD. Additionally, Mr. Logan provided structural engineering services during construction.
01/01-10/02	**S.P. No. 700-52-1029: Off-System Bridge Replacement-Fitzgerald Church Road Bridge, St. Tammany Parish, LA:** Mr. Logan served as structural engineer for the bridge design and preparation of plans and specifications that included removal of the existing bridge, precast piles, cast-in-place concrete pile caps, cast-in-place bridge deck, concrete barrier rails, concrete approach slabs at bridge ends, asphaltic concrete roadway transitions, and guardrails.
03/77-12/77	**Design for Lafayette-Opelousas Highway Bridges, LA:** Mr. Logan provided structural engineering services for several concrete-prestressed concrete bridges on the Lafayette-Opelousas Highway, including: LA 182 Overpass Bridge, LA 726 Overpass Bridge, LA-U.S. 167 Overpass Bridge, and Bayou Carencro Bridge on the Lafayette-Opelousas Highway, all conforming to AASHTO standards.
02/95-11/95	**Design for Harrison County Bridges, MS:** Mr. Logan provided structural engineering services for several concrete bridges in Harrison County, Mississippi, including "Bridge A" over Branch Dedeaux Road and "Bridge B" over Flat Branch Dedeaux Road.
01/92-10/92	**Crossing over River Road, St. Charles Parish, LA:** Mr. Logan provided structural engineering services and performed preliminary design of a pre-stressed concrete girder bridge crossing River Road in St. Charles Parish according to LA DOTD standards.
04/94-09/94	**Structural Investigation of a Railroad Swing Bridge over Bayou Lacombe, St. Tammany Parish, LA:** Mr. Logan performed a structural inspection and investigation of the bridge and prepared a condition report with necessary repair and upgrade recommendations.

Firm employed by ***ECM Consultants, LLC***					
Name	**CHRISOPHER CAPRETTO, P.E., PMP**			Years of relevant experience with this employer	**11**
Title	**Roadway Design Engineer**			Years of relevant experience with other employer(s)	**6**
Degree(s) / Years / Specialization				**B.S./2009/Civil Engineering**	
Active registration number / state / expiration date				**PE # 38641/ LA / 9-2026; PMP 3840827 05-2027**	
Year registered	**2014**	Discipline		**Civil Engineering**	
Contract role(s) / brief description of responsibilities				**Mr. Capretto will provide roadway design for this contract. MPR No. 10.**	

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 years of experience specified in the applicable MPR(s).
17 years of experience	*Mr. Capretto has 17 years of civil engineering design & construction experience, including design of pedestrian facilities for urban & rural highways and streets, pedestrian & driver safety improvements, signage & pavement markers, roads, bridges, utilities projects, horizontal & vertical alignments, stormwater design, sub-surface drainage, water and sewer force mains, sewer lift stations, and gravity lines. His participation in representative projects includes feasibility studies, design, PS&E preparation, project management, and CE&I. Mr. Capretto's experience as Office Manager includes preparing agendas and minutes for kick-off meetings and progress meetings; managing project schedules; coordinating closely with the Resident Inspectors on site; reviewing Contractor submittal items; verifying results of testing lab reports; verifying Contractor & testing lab invoices; responding to RFIs; preparing Change Orders; and maintaining all project documents, including pre-construction photos and/or videos, daily reports with photographs, RFI logs, submittals, invoices, change orders, and test results.* ***He is certified as ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor, LPA/CE&I, LPA Core Training Module; and FHWA-NHI-130091 certified Underwater Bridge Inspector.***
03/21 - On-Going	**Program and Construction Management for 2017 Jefferson Parish Road Bond Project | Jefferson Parish, LA | Program Manager:** As one of the engineers responsible for managing the JP Road Bond Program on the East Bank, Mr. Capretto has overseen multiple construction projects, with several more getting ready to start within the next few months. These projects are part of the current Road Bond Program that funds major transportation projects throughout the parish. His responsibilities have included coordinating between JP engineers and the various contractors and subcontractors; attending all kick-off and progress meetings; regular visits to each of the project sites; reviewing inspection reports and testing lab reports; reviewing and approving RFIs, change orders, and invoices; and maintaining the general progress of the projects from kick-off of the work through to completion.
10/18 - 10/23	**City Park Neighborhood, FEMA Eligible Street Repairs, New Orleans DPW, New Orleans, LA:** Mr. Capretto provided engineering design services for this project to determine the extent of roadway damages for FEMA, including field investigations, survey, documentation, rehabilitation designs, preparation of cost estimates, plans, and specifications. ECM prepared scope reports and updated PW worksheets for FEMA-eligible repairs within the neighborhood boundary. The project scope included the preparation of construction plans and specifications, and cost estimates for pavement rehabilitation, including base repairs, cold milling and overlay, curb and sidewalk repairs, utility adjustments, and new ADA ramps at all street intersections. In addition to preparing plans and profiles, ECM prepared various details not included in the city standard plans, including special curb, sidewalk, and driveway details.
01/19 – 01/22	**Safe Routes to Schools – Lafayette Consolidated Govt. Sidewalks:** Mr. Capretto served as Project Engineer for this project under the Safe Routes to School (SRTS) program, which included the installation of new sidewalks, driveways, and handicapped curb ramps along local roads in the Lafayette region to provide safe pedestrian routes to five middle and elementary schools from their respective surrounding neighborhoods. The project also included installation of new drainage pipes and structures, earthwork, adjustment of existing utilities to the new grade, asphalt pavement patching, relocation of traffic signs & mailboxes, pavement striping, and re-sodding of the affected areas. Mr. Capretto performed site inspections, assessing and analyzing school zones and adjacent infrastructure for ADA-compliant accessibility, safety, and other pedestrian and bicyclist considerations to determine necessary improvements. He designed the layouts for all new

	sidewalks and ADA ramps, tabulated all bid item quantities, oversaw the preparation of PS&E, and performed QA/QC on the design documents. Mr. Capretto worked closely with DOTD & Lafayette Consolidated Govt throughout the project, ensuring a quality finished product.
10/18 - 09/22	**Oakwood Smart Growth – Hector Avenue Improvements (Whitney Ave. to Terry Parkway) | Jefferson Parish, LA:** Mr. Capretto assisted the Project Engineer for the design and construction administration for this project that involved a 12-foot wide pervious concrete shared-use path on the north side of Hector Ave from Whitney Ave to Terry Parkway, including a pedestrian bridge crossing the canal at Wright Avenue. The scope of work also included five 115-foot-long parking bays on the north side of Hector Ave. Where parking bays were not added, the road was widened by two feet with pervious concrete to improve drainage. The project also included the design of a pedestrian walkway on the south side of the roadway, striping, and solar-powered, high-visibility flashing lights on the pavement, as well as landscaping, trees, and green areas along both sides. Mr. Capretto's responsibilities included project coordination, response to RFIs, submittal and plan change reviews and management, and resolution of field issues in consultation with the Resident Inspector and Project Engineer.
02/17 – 06/21	**Safe Routes to Schools – White Castle Sidewalks:** Mr. Capretto served as Project Engineer for this Feasibility Study and Design project under the SRTS program that included installation of new sidewalks, driveways, and handicapped curb ramps along local roads in White Castle, LA, to connect the surrounding neighborhoods with White Castle High School. The project also included the installation of new subsurface drainage pipes and structures, the conversion of existing drain inlets to manhole covers, adjustments to existing catch basins and manholes to the new grade, the relocation of existing traffic signs, and the re-sodding of the affected area. Mr. Capretto performed site inspections, designed the layouts for all new sidewalks and ADA ramps, tabulated all bid item quantities, oversaw the preparation of design PS&E, and performed QA/QC.
05/15-05/18	**Gravier Street (South Galvez to Broad St) | City of New Orleans DPW | New Orleans, LA | Construction Engineer:** Mr. Capretto performed civil engineering design and construction administration & inspection services for this $5.8 million PCC roadway reconstruction of a complete street corridor in mid-city New Orleans. His responsibilities included attending weekly progress meetings, preparing and distributing minutes of meetings, coordinating with various agencies, responding to RFIs, submittal and plan change reviews and management, resolving field issues in consultation with the resident inspector and the engineer of record, and site visits. In addition to the removal and reconstruction of the road and sidewalks with concrete pavement, the project included a new major subsurface drainage system with RCPs ranging from 24" to 48", a new 20" water main, and a new 8" sewer system.
01/08 - 11/09	**LA Highway 1091, Robert Road Roundabout & Intersection Improvements, St. Tammany Parish, LA:** Mr. Capretto served as project designer for the conversion of a signalized intersection to a roundabout. His responsibilities included review of traffic analysis, asphaltic and Portland cement pavement design, sidewalk repair, drainage design, and environmental permitting. Work also included locating subsurface utilities. He prepared drainage maps, plan and profile sheets, and geometric details; and he designed the roundabout's concrete "splitter islands" per LADOTD standards, focusing on pedestrian safety throughout the new roundabout.

Firm employed by ***ECM Consultants, LLC***					
Name	**SUNINA SHRESTHA, P.E., PMP**			Years of experience with this firm/employer	**18**
Title	**Asst. VP Engineering Manager**			Years of experience with other firm(s)/employer(s)	**1**
Degree(s) / Years / Specialization				**M.S. / 2008 / Civil Engineering**	
Active registration number / state / expiration date				**37901 / LA / 09/30/2027**	
Year registered	**2013**	Discipline		**Civil Engineering**	
Contract role(s) / brief description of responsibilities				**Ms. Shrestha will serve as a Roadway Deign Engineer. She meets requirements for MPR No. 10.**	

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 years of experience specified in the applicable MPR(s).
19 years of experience	*Ms. Shrestha has 19 years of experience in hydraulic analysis, drainage studies and design, and roadway design involving reconstruction, rehabilitation, new construction, as well as complete and smart streets. Her experience also includes preparation of PS&E and engineering review of designs and construction plans and specifications for various roadway projects.* ***She is certified as a Project Management Professional (PMP), ATSSA Work Zone Traffic Control Flagger, Technician & Supervisor, LPA/CE&I, LPA Core Training Module.***
03/15-09/22	**Severn Avenue Corridor Improvements**, Jefferson Parish, DPW, Jefferson Parish, LA: Ms. Shrestha served as project engineer for this six-lane, $14.2 million project on Severn Avenue from Veterans Boulevard to West Esplanade Avenue. She was responsible for design, coordination, and preparation of plans, specifications, and estimates (PS&E) for the replacement of existing roadway with PCC pavement, concrete curb, sidewalks, and driveway aprons with new six-foot wide sidewalk and driveway aprons, replacement/upgrade of subsurface drainage, and addition of turn lanes at 17th Street and West Esplanade Avenue. The project involves traffic control planning, including sequential lane closures to maintain two lanes open at all times and phased construction to accommodate seasonal traffic peaks and business access.
08/14 – 02/17	**Glen Oaks Drive (Plank Rd. to McClelland Dr.), Baton Rouge DPW, Baton Rouge, LA:** Ms. Shrestha served as project engineer for this $10M project involving engineering design for the construction of a three-lane concrete curb and gutter roadway with sidewalks and subsurface drainage on Glen Oaks Dr. from Plank Rd. to McClelland Dr. Glen Oaks is a one-mile existing Urban Collector roadway. The project also includes improvements to several intersections, topographic survey, ROW survey, and ROW plan preparation, subsurface drainage system design, and H&H analysis for the outfalls.
05/03-10/18	**Napoleon Avenue Reconstruction, S&WB of New Orleans/US Army Corps of Engineers; New Orleans, LA:** As project engineer, Ms. Shrestha provided civil engineering design for the $21 million reconstruction/rehabilitation of Napoleon Avenue between South Claiborne Avenue and Carondelet Street, in connection with the construction of a drainage box canal at the median of Napoleon Avenue. The project included design and preparation of plans, specifications, and estimates for roadway removal and reconstruction; hydraulic analysis to determine the size of catch basins and drain lines; replacement of all water and sewer mains, including service lines within the project limit; new subsurface drainage, including tie-in of all culverts into a new concrete box canal; and removal and reconstruction of sidewalks. Hydraulic design work was performed in accordance to the LADOTD Hydraulics Manual.

10/18-10/22	**City Park Neighborhood, Group - A, DPW- City of New Orleans, LA:** As project manager, Ms. Shrestha supervised the civil engineering design for this $10.8 million City Park Neighborhood Group – A project. Work included roadway reconstruction/rehabilitation. Reconstruction work involved removing the existing pavement and reconstructing the roadways with a sand subbase, aggregate-based geotextile fabrics, an asphalt base, and wearing courses. Rehabilitation work included milling, base repairs, patching, and asphalt overlay. The project also included hydraulic analysis, drainage design, roadway intersection design, and the preparation of plans, specifications, and cost estimates (PS&E) for 31 roadway blocks in the neighborhood. Work also included sidewalks with ADA ramps, a new drainage system, and the replacement of all water and sewer mains. Some streets in this project area are in the Parkview Historic District, and their design conforms to FEMA guidelines for the Historic Area.
04/15-10/17	**Strain Road Bridge, City of Baton Rouge/East Baton Rouge DPW, Baton Rouge, LA:** Ms. Shrestha served as project engineer for this project involving the design and preparation of PS&E for the replacement of the Strain Road Bridge. Work consisted of hydrologic design, study, topographic survey, and preparation of a design report with two alternatives for the replacement of the existing bridge. The first alternative included replacing the existing bridge with two 60-foot-long, 8’ x 8’ box culverts with 150 feet of channel improvement, and the second included replacing the existing bridge with a new 100-foot-long bridge with some channel improvement downstream of the channel. Based on the benefit-cost analysis (BCA), the city selected the first alternative. ECM provided the design services and prepared plans for the construction of two-barrel 8’ x 8’ box culverts and an asphalt concrete roadway section. The existing approach roadway, which is a two-lane asphaltic concrete street with a subsurface drainage system, was widened for a length of 225 feet for the widening of the bridge to conform to LADOTD design guidelines
10/15-11/17	**Gravier Street Improvements (Between South Galvez and South Broad), City of New Orleans-DPW, New Orleans, LA:** As project engineer, Ms. Shrestha provided civil engineering design for this $5.8 million project, which consisted of design, preparation of plans and specifications, and cost estimates (PS&E) for roadway reconstruction, including storm drainage, sidewalk improvements, and water and sewer improvements. The project involved extensive coordination with the Sewerage and Water Board and other utility entities regarding both vertical and horizontal location of utilities. ECM provided all services required for topographic survey (through subconsultant), preparation of preliminary plans, final plans, specifications, construction administration, resident inspection services, and bid documents.
09/22- Ongoing	**Lake Terrace Oaks, Group-C, and Lake Shore Area Group-E, Roadway Improvements, City of New Orleans, LA.** Ms. Shrestha is serving as Project Engineer for these $12 million projects that involve the complete reconstruction of a 20-block neighborhood PCCP roadway, including subsurface drainage system, replacement of water and sewer systems as required. Work includes PCC paving, new base, concrete curb, sidewalks, driveway aprons, and ADA-compliant ramps at roadway intersections. She is responsible for managing, supervising, and overseeing work product for conformance with the City of New Orleans General Specifications for Street Paving. The project will be bid on soon.
08/22- Ongoing	**Gentilly Terrace Group E; New Orleans, LA:** Ms. Shrestha served as the project manager for this roadway reconstruction project, which involved the design and preparation of plans, specifications, and estimates (PS&E) for the removal and replacement of PCC and asphalt roadway, and H&H analysis for the drain system design. She was also involved in coordination with S&WB, park and parkways, and other utility entities. She is responsible for managing, supervising, and overseeing work product for conformance with the City of New Orleans General Specifications for Street Paving. The project will be bid on soon.

Firm employed by ***ECM Consultants, LLC***					
Name	**JOHN FOLEY, P.E.**			Years of relevant experience with this employer	**6**
Title	**Civil Engineer**			Years of relevant experience with other employer(s)	**5**
Degree(s) / Years / Specialization				**B.S. / 2014 / Civil Engineering**	
Active registration number / state / expiration date				**PE # 42740 / LA / Exp. 03/31/2027**	
Year registered	**2018**	Discipline		**Civil Engineering**	
Contract role(s) / brief description of responsibilities				**Mr. Foley will serve as the Civil Engineer for this contract. He meets MPR No. 13**	

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 years of experience specified in the applicable MPR(s).
11 years of experience	*Mr. Foley is a Registered Professional Engineer with 11 years of experience in design, construction administration, and inspection services for public works projects, including roadways, drainage, water, and sewer system improvements.* ***He has certifications in ATSSA Traffic Control Flagger, Supervisor, and LPA/CE&I.***
07/19 - Ongoing	**Transit Improvement Design for District 2, 3, and 4, Jefferson Parish, LA:** Mr. Foley serving as Project Engineer for design and construction administration for improvements to 500 bus stops within Council District 2,3, and 4 for Jefferson Parish. The scope of work included preparing detailed construction plans and technical specifications with the latest LA DOTD and Jefferson Parish criteria. He prepared plans that made improvements to the bus stops and adjacent intersections and included locations of all utilities affected by proposed construction. Improvements included enhancements for accessibility, safety, and features needed to achieve ADA compliance. A crash analysis was performed in accordance with LADOTD and HSM requirements for most bus stops to assess safety performance at their intended locations. Work also included required sidewalks, ADA ramps, crosswalks, signage, striping, boarding and alighting areas, benches, and shelters.
07/17 – 06/19	**LA 931 @ Roddy Road Roundabout, Ascension Parish, Gonzales, LA.** Design services for a single-lane asphalt roundabout at the intersection of LA 931 and Roddy Road in Gonzales, LA. Services include preparing a roundabout report (crash and safety analyses in accordance with the HSM, cost-benefit analysis, traffic analysis, speed study), electrical lighting design, preliminary and final subsurface drainage design plans, specifications, special provisions, construction estimates, and engineering calculations. The design will comply with state and federal guidelines and receive LADOTD review and approval. Project Engineer responsible for designing the plan and profile geometry and typical sections for preliminary design plans and the roundabout report. Performed a cost-benefit analysis and drafted a roundabout report.
07/15 – 05/18	**I-49 at US 190 and LA 31 Stage 0 Feasibility Study and Tier Analysis, LADOTD, Baton Rouge, LA.** Prepared a Stage 0 Feasibility Study to evaluate alternatives to improve trac operations and safety at the I-49 interchanges with US 190 and LA 31 in St. Landry Parish. Project Designer responsible for assisting with the tier 1 and 2 analyses, performing the safety analysis with IHSDM-HSM, preparing meeting materials, data collection, and environmental documentation.
09/14 – 03/17	**I-10 at LA 73 (LA 74 to LA 621) Stage 0 Feasibility and Tier Analysis, LADOTD, Prairieville, LA.** Prepared a Stage 0 Feasibility Study and environmental inventory for LADOTD, documented in accordance with NEPA requirements, to evaluate conceptual alternatives and no-build for the LA 73 corridor to improve traffic and safety operations. Project Designer responsible for assisting with the tier 1 and 2 analyses, performing the safety analysis with IHSDM-HSM, preparing meeting materials, and drafting alternatives.

Firm employed by URBAN SYSTEMS inc.			
ALISON CATARELLA MICHEL, P.E., PTOE, PTP, RSP$_{2i}$ President/Transportation Engineer		Years of relevant experience with this employer	25
		Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BS / 1997 / Civil Engineering	
Active registration number / state / expiration date		30261 / Louisiana / 03/31/2027	
Year registered 2002	Discipline	Professional Engineer: Civil Engineering	
Active registration number / state / expiration date		1023 / Louisiana / 11/06/2026- Professional Traffic Operations Engineering	
Active registration number / state / expiration date		626/ 11/20/2026- Professional Transportation Planner	
Active registration number / state / expiration date		148/ 03/20/2029 - Road Safety Professional 2i	
Contract role(s) / brief description of responsibilities		**Principal In Charge of Traffic Engineering Tasks/ QA-QC**	

Ms. Michel is a leading expert in Traffic Engineering and Transportation Planning. She has a wide array of experience with transportation studies, including traffic impact, safety, corridor, feasibility/Stage 0, environmental/Stage 1, multi-modal, and transit facilities. Ms. Michel has completed the *NEPA and Transportation Decision Making* course sponsored by the National Highway Institute and the *Highway Safety Manual* course sponsored by LADOTD. She has extensive experience preparing Traffic Studies for environmental documents. Ms. Michel served as the Principal in Charge for USI as the prime consultant managing a multi-firm team for a complex Environmental Assessment that resulted in a finding of No Significant Impact (FONSI) in 2019.

03/16-01/19	**I-10/Loyola Interchange Improvement Project H.011670 Stage 0 Feasibility Study and Stage 1 Environmental Assessment** This multi-phase interchange improvement project to improve capacity to service increasing demand and provide direct access to the new north terminal of the MSY International Airport from I-10 was conducted with Ms. Michel as the Principal in Charge. The first phase included detailed data collection to identify the origins and destinations of airport trips and the routes used. She managed this, the microsimulation analysis efforts, and the tiered process to identify alternatives to meet FHWA requirements for an interchange modification report. During this process, she also coordinated with the numerous agencies that were identified as stakeholders. The second phase involved preparing an EA, during which she assisted the project manager in coordinating a team of eight consulting firms. The result was the granting of a FONSI by the FHWA in only fifteen months after beginning the EA process. The experience of priming this EA project is invaluable, as it provides a deeper understanding of the entire process, not just the traffic analysis portion.
02/10-02/12	**I-12 to Bush Environmental Impact Statement Route LA 3241** Ms. Michel led the team that conducted a traffic study for the I-12 to Bush Environmental Impact Statement. This included conducting field investigations to document existing conditions, note traffic patterns and traffic control devices, and to identify safety concerns. Various alternatives were identified and evaluated at potential tie-in points for the new alignment. Ms. Michel's TRANSCAD training and experience were used to modify population, employment, and socio-economic data in the regional transportation model to assist in forecasting future traffic volumes.
10/11-05/16	**Increase Capacity of I-10 from Bridge to I-10/I-12 Split Stage 0 Feasibility Study and Stage 1 Environmental** Ms. Michel was the Principal in Charge of the Traffic Studies for this multi-faceted project to improve Interstate 10 through Baton Rouge. The project included developing and testing alternatives for operational and safety conditions. Analysis utilized VISSIM models that were prepared to meet LADOTD requirements. Mainline alternatives included an additional lane, interchange relocations, a highpass, and slip ramps. The

	Capitol Regional Planning Commission's Travel Demand model in Transcad was utilized to forecast volumes for various scenarios. Due to the length of the corridor, public meetings were held at three locations, where Ms. Michel presented the results of the traffic analysis.
11/09-08/15	**Port of South Louisiana Connector Environmental Impact Statement** Ms. Michel was Principal in Charge for the traffic study to assess the feasibility of a connection between US 61 (Airline Highway) and Interstate 10 in St. John the Baptist Parish, LA. The purpose of the study was to assess and identify connection alternatives to address existing and future roadway traffic, safety conditions, and access management for a connector between US 61 and Interstate 10. An Interchange Justification Report is currently being prepared.
11/16-01/17	**MSY North Terminal EA Supplement No. 2** The potential increase in the number of gates to service the significant growth of enplanements experienced and anticipated with the relocation to the north terminal required a supplement to the EA document. The initial task involved forecasting interstate, surface street, and airport-related trips in response to increased enplanements. Traffic analysis was conducted based on planned improvements and additional improvements identified. Ms. Michel coordinated with the other firms and supervised the USI team. The EA Supplement led to the Federal Aviation Administration's approval of the additional gates.
03/14-06/14	**LA 378 Stage 0 Feasibility study and environmental Inventory** Ms. Michel was personally involved in the data collection on this project, installing tubes along the corridor and video detection equipment at the intersections. She conducted travel time runs and field observations. She was the project manager and responsible for QA-QC.
10/10-02/26	**Pecue Lane / I-10 Interchange Environmental Assessment** Ms. Michel was the Principal-in-Charge for the Traffic Engineering tasks as a sub-consultant on the Pecue Lane/I-10 Interchange project. She managed the staff, communicated with clients, and performed the technical QA/QC for each phase. The phases included preparing a traffic study for the *Stage 1 Environmental Assessment,* updating the *Interchange Justification Report* for submittal to FHWA, preparing a Transportation Management Plan, and designing traffic signals using the LADOTD TSI format. At the time of the design, this was to be Louisiana's first Diverging Diamond Interchange (DDI). Ms. Michel worked closely with DOTD and Baton Rouge City-Parish to develop signal phasing and timing for the DDI using Highway Capacity Software and VISSIM. The design of the signal at the intersection of Pecue Lane at Rieger Rd was also reviewed by Ms. Michel. Her familiarity with Highway Capacity Software, TransCAD, CORSIM, and VISSIM was critical throughout the various phases of the project. Ms. Michel reviewed the construction cost estimates for each signal. The last phase of this project is construction administration, which is underway.

Firm employed by URBAN SYSTEMS inc.			
NICOLE STEWART, P.E., PTOE Vice President / Transportation Engineer		Years of relevant experience with this employer	20
		Years of relevant experience with other employer(s)	1.5
Degree(s) / Years / Specialization		BS / 2004 / Civil Engineering	
Active registration number / state / expiration date		34750 / Louisiana / 09/30/2027	
Year registered 2009	Discipline	Professional Engineer: Civil Engineering	
Active registration number / state / expiration date		2923 / Louisiana / 08/14/2027: Professional Traffic Operations Engineering	
Contract role(s) / brief description of responsibilities		**Traffic Analysis**	

Ms. Stewart has extensive experience in Traffic and Transportation Engineering and is a certified Traffic Control Design Specialist. Ms. Stewart has conducted transportation, safety, Environmental, and traffic impact studies. Her design experience includes signal design and timing of coordinated systems, striping, signage, geometric design, pavement design, and drainage. She has experience using Highway Capacity Software (HCS), Synchro, and TruTraffic in the timing and coordination of traffic signals. Ms. Stewart has designed numerous Traffic Control Device plans to meet LADOTD and MUTCD standards. She has extensive experience in preparing Transportation Management Plans and site-specific traffic control devices plans for every possible environment, including suburban road closures on multilane highways, rural road closures requiring extensive detours, as well as ramp and interstate closures, both intermittent and long-term. Ms. Stewart also has significant experience in construction management for traffic signal installation, roadway repairs, and ITS projects.

08/10-08/11	**Engineering & Land Surveying Services for Pakenham Dr. and Jackson Avenue Categorical Exclusion** Ms. Stewart was the lead engineer responsible for the preparation of the Categorical Exclusion Document. This included contacting multiple state agencies via solicitation of view letters to determine if the roadway reconstruction would have any adverse impacts to wetlands, flood plains, farmland, public land, hazardous materials, commercial or residential properties. It was determined that a significant number of trees would be impacted by the construction and that mitigations to minimize the impacts to trees would need to be included within the project. The final Categorical Exclusion document included The Environmental Determination Checklist, preliminary plans, construction cost estimate and the solicitation of view letters and responses that were submitted to various state and local agencies.
12/14-01/17	**LA 447 Corridor Study and Environmental Assessment** Ms. Stewart was the lead engineer for the Corridor Safety Study to identify improvements to LA 447 from north of Interstate 12 (I-12) to LA 16, which was included in the Environmental Assessment. She reviewed detailed crash reports obtained from the LADOTD database for the section south of Buddy Ellis Road. She oversaw the preparation of collision diagrams and the identification of crash trends. The predictive method was used per the Highway Safety Manual to estimate the crashes with and without potential improvements. Ms. Stewart also conducted turn lane warrants and identified where left and right turn lanes were considered.
05/18-04/19	**TMP for I-10: West of 108 to I-210 Interchange: Rubblize and Overlay** As the lead engineer for this Traffic Management Plan, Ms. Stewart was responsible for preparing the safety analysis. She conducted the analysis per the LADOTD *Guidelines for Crash Data Analysis* for this TMP in Lake Charles, LA. She conducted queue analysis to identify when lane closures would be permitted, identified the construction impact area, and reviewed crash data for more than 350 collisions. Ms. Stewart identified trends, calculated crash rates, and determined that the section of I-10 to be rubblized had a crash rate higher than the statewide average and required mitigation.
02/15-06/16	**Bridge Preventive Maintenance District 61**

	Ms. Stewart was the Principal in Charge for Traffic Management Plans (TMPs) for bridge replacements and repairs at various locations in Louisiana. This included developing various levels of TMP's based on LADOTD EDSM guidelines. Tasks included conducting capacity, safety, and detour analyses and developing proposed mitigations where applicable. For the reconstruction of the LA 1 bridge over the Intracoastal Waterway, a detailed Level 3 TMP was prepared. For this TMP, detailed work zone impact management strategies were developed to help minimize the project's impact on mobility.
09/10-07/12	**I-12 Corridor Stage 0 Feasibility Study and Environmental Impact Statement** As lead engineer of the traffic study, Ms. Stewart evaluated the feasibility of improving safety and capacity on 70 miles of interstate from Livingston Parish to St. Tammany Parish. Ms. Stewart participated in the capacity analysis, travel-time runs, and TransCad modeling efforts for the traffic study included in the NEPA document.
06/24-02/25	**LA 1: Port Allen Bridge Replacement** Ms. Stewart was the Principal In Charge of the safety review for the design exception required for the construction of the LA 1 northbound bridge of the Intracoastal Waterway. She performed the final quality assurance check for the safety evaluation, including reviewing the existing crash summaries and the crash modification factor determinations.
03/16-03/19	**I-10/Loyola Interchange Improvements** Ms. Stewart's role in this study was to prepare the conflict points, signage, and striping layouts for the two interchange types being considered for the I-10 at Loyola Avenue Interchange. One interchange type included multiple flyover ramps, and the other was a diverging diamond. Once prepared, Ms. Stewart compared and ranked the conflict points, signage, and striping of both alternatives for use in the safety portion of the Tiered process.
01/09-07/10	**Stage 0 Feasibility Study and Environmental Inventory I-10 from I-610 to Twin Spans Increase Capacity and Raise to Prevent Flooding** Ms. Stewart performed a traffic operations analysis for a Stage 0 Feasibility Study and Environmental Inventory I-10 from I-610 to Twin Spans in Orleans Parish. Ms. Stewart took the lead on this project to determine if capacity improvements were feasible for this congested section of I-10. This study included data collection and analysis of ten major I-10 interchanges. Through analysis and extensive field observations, Ms. Stewart identified specific problems that contributed to traffic on the I-10 High Rise over the industrial canal, including the bridge's steep slope, narrow lanes, and the lack of shoulders.

Firm employed by URBAN SYSTEMS inc.			
MATTHEW H. MORGAN, P.E., PTOE Transportation Engineer		Years of relevant experience with this employer	13
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2009 / Civil Engineering	
Active registration number / state / expiration date		47060 / Louisiana / 03/31/2027	
Year registered 2022	Discipline	Professional Engineer: Civil Engineering	
Active registration number / state / expiration date		5893 / Louisiana / 03/19/2028: Professional Traffic Operations Engineer	
Contract role(s) / brief description of responsibilities		**Traffic Analysis**	

Mr. Morgan has (13) thirteen years' experience that ranges from starting as a Data Collection Manager while in college to an E.I and now a P.E./PTOE for Traffic Engineering/ Transportation Planning projects. He has conducted traffic studies for numerous environmental documents. Mr. Morgan has collected and delivered volume, class, and speed data to project managers using road tube equipment and camera systems. He has conducted Traffic Impact Studies, Traffic Control Device Plans, Interchange Modification/Justification Reports, Stage 0 Traffic Studies, Stage 1 Traffic Studies, Transportation Management Plans, and a variety of others. He is proficient in the following software: PetraPro, TraxPro, MetroCount, Excel, AutoCAD, SIDRA, HCS Software, VISSIM, CORSIM, and Adobe Suite.

01/17-02/17	**Louis Armstrong New Orleans International Airport's Second Supplemental Environmental Assessment for the Long-Range Program** Mr. Morgan assisted in the analysis of existing and future conditions for the Louis Armstrong New Orleans International Airport. He analyzed the intersections using CORSIM, HCS, and Synchro throughout the study. The traffic report was included in the Supplemental Environmental Document for the Federal Aviation Administration, the reviewing agency.
11/22-11/24	**Inner Harbor Navigation Canal (IHNC) Lock Replacement Traffic Study** Mr. Morgan was the lead Engineer for a traffic study to analyze existing and projected vehicular operational and safety conditions for the Inner Harbor Navigational Canal (IHNC) lock replacement near the St. Claude, Claiborne, and Florida Bridges. Mr. Morgan reviewed crash/safety history to identify crash characteristics, the Level of Service of Safety (LOSS) for major intersections, existing safety concerns, and high crash locations. He analyzed existing and future conditions using VISSIM, a microscopic traffic simulation software, and compared measures of effectiveness. Mr. Morgan prepared technical reports that summarized the data collection, safety findings, and analysis results.
05/21-09/22	**Violet Terminal Traffic Study** An objective of the Violet Terminal Traffic Study was to assess how long the existing traffic network of LA state highways could sustain the additional traffic generated by a new Port terminal located in Violet, LA. Mr. Morgan led the data collection effort for numerous intersections and roadways using video cameras. Mr. Morgan identified peak hours for the associated traffic network. He also helped in estimating vehicular traffic volumes for the years 2028 through 2050. He analyzed signalized intersections, with and without improvements where needed, to mitigate impacts. Mr. Morgan assisted with the preparation of a report summarizing the project's objective, methodologies, and findings.
03/16-12/19	**I-10/Loyola Interchange Improvement IMR New Orleans, LA** Mr. Morgan led data collection efforts on I-10 and surrounding roadways for the I-10/Loyola Interchange improvements, specifically for the Interchange Modification Report that was prepared in conjunction with the Environmental Assessment. He organized counting roadways and turning movements using a video camera and pneumatic tubes. He also assisted in collecting speed data using handheld radar devices. Mr. Morgan helped review project-related crashes, analyze crash characteristics, and examine crash trends for the study years. He assisted with capacity analysis of existing and future alternative conditions using HCS, Synchro, and Vissim. Mr. Morgan assisted with report preparation to document the results.

01/18-10/19	**LA 3234 Extension from LA 1065** Mr. Morgan led data collection efforts throughout the study area, including traffic volume collection, speed studies, and vehicle classification. He performed site investigations and developed drawings and tables for traffic study reports.
03/19-04/22	**LA 3127 Extension Stage 0 Feasibility Study** Mr. Morgan led data collection efforts on the study area roadways. He organized obtaining flow and turning movement counts and report guidelines using video cameras and pneumatic tubes. He also assisted in collecting speed data using handheld radar devices. Mr. Morgan conducted a warrant analysis for turn lanes and traffic signals. He conducted travel-time runs and assisted with report preparation.
03/16-08/18	**Future I-49 South Study (Raceland to Westbank Expressway), Stage 1 Environmental Assessment** The study area spanned US 90 from Raceland to Westbank Expressway. Mr. Morgan led the data collection effort, which included traffic volume collection, speed studies, and vehicle classification. He conducted site investigations and assisted project engineers in developing figures and tables to present the data. He utilized LADOTD's resources and tools during the study phase for analysis of existing conditions.
10/15-11/16	**Veterans 15-061 Stage 0 Traffic Signal Timing and Coordination Study** The study objective was to reduce delays, lower emissions, improve fuel consumption, and improve safety, while maximizing the progressive movement of traffic through the Veterans Boulevard corridor. Mr. Morgan led the data collection effort, which included collecting traffic roadway volumes, turning movement volumes, and vehicle classifications on the study corridor. Seven (7)- day, twenty-four (24)- hour counts were used to identify the proposed signal timing plans by Mr. Morgan. He assisted with quality assurance/quality control (QA/QC) per USI's QA/QC policy for traffic counts collected for use in existing and proposed traffic analyses. Mr. Morgan conducted site visits at each intersection and conducted morning, midday, and evening travel-time runs before and after implementing the signal timing improvements. He also assisted in preparing the reports that documented the improvements for each of the identified performance measures that resulted from the implementation of USIs recommendations.

Firm employed by URBAN SYSTEMS inc.				
	CHRISTINE M. DARRAH, P.E. Transportation Engineer		Years of relevant experience with this employer	11
			Years of relevant experience with other employer(s)	20
Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering	
Active registration number / state / expiration date			25828 / Louisiana / 09/30/2027	
Year registered	1999	Discipline	Professional Engineer: Civil Engineering	
Contract role(s) / brief description of responsibilities			**Traffic Analysis**	

Mrs. Darrah has over twenty-seven (27) years of experience in Civil Engineering and has been specializing in transportation for more than nine (9) years. Ms. Darrah has served as both the project manager and the lead analyst on corridor and intersection improvement studies for Stage 0 and Stage 1 projects. She is proficient in LADOTD Highway Capacity Software (HCS), MicroStation, AutoCAD, and Autoturn. Ms. Darrah also has experience in preparing traffic signal design plans in LADOTD format. This included timing/phasing analysis, wiring diagrams, interconnect layouts, construction quantities, specifications, and cost estimates. Her many years and wide variety of experiences are valuable during studies, design development, and especially QA/QC.

10/10-09/15	**Pecue Lane / I-10 Environmental Assessment and Signal Design** Ms. Darrah assisted with design and QA/QC for the Pecue Lane / I-10 Interchange traffic signals for the diverging diamond and the signal at the intersection of Pecue Lane at Reiger Road. The signal plans were prepared on the latest LADOTD TSI format. The interstate ramp terminal intersection signals were designed per LADOTD standards, and the Reiger Road signal was designed per East Baton Rouge Parish standards. This required close attention to detail, given the different equipment requirements and coordination to obtain pay item numbers for East Baton Rouge signal specifications. She reviewed the opinion of probable cost.
08/20-11/20	**Carencro Distribution Center Traffic Impact Study** Ms. Darrah was the lead engineer for the traffic impact study for a one-million-square-foot development on the I-49 East Service Road in Carencro, Louisiana. Ms. Darrah was responsible for volume estimation of base conditions using LADOTD historical data collection and trips from developments recently constructed in the area. The project included analyzing multiple base and build scenarios to determine the traffic impact. The task included trip generation and distribution, turn-lane and signal warrants, and capacity analysis. Methodology for volume estimation and trip distribution required coordination with the LADOTD District.
10/22-02/26	**Barataria Right Turn Lane at Wichers** As Project Manager, Ms. Darrah oversaw the collection of count and observation data, capacity analysis, warrants, and crosswalk study. Ms. Darrah collaborated with Jefferson Parish and LADOTD to prepare and finalize a report of findings and identify recommended signal phasing and timing adjustments. Ms. Darrah prepared Traffic Signal Inventory plans in LADOTD format, which included signal modifications required to service the designated right turn lane. Ms. Darrah will address Requests for Information (RFIs) during the upcoming construction phase.

Firm employed by URBAN SYSTEMS inc.			
CONNOR M. CROW, E.I Engineer Intern		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization		BS / 2023 / Civil Engineering	
Active registration number / state / expiration date		35663 / Louisiana / 09/30/2026	
Year registered 2024	Discipline	Engineer Intern: Civil Engineering	
Contract role(s) / brief description of responsibilities		**Traffic Analysis**	

Mr. Crow has experience working on traffic engineering and transportation planning projects. His experience includes traffic signal design, temporary traffic control plans, traffic impact analyses, and corridor studies. He has designed traffic signal plans in accordance with LADOTD standards and temporary traffic control for nonstandard road closures. Additionally, he has conducted field observations, site visits, and capacity analysis using industry-standard software. His involvement in a wide range of projects in a short amount of time demonstrates his ability to apply innovative solutions to complex transportation challenges. Mr. Crow is proficient in AutoCAD and utilizes LADOTD, MUTCD, and TXDOT standards in his work.

10/25-06/26	**LIT Peak Construction Traffic Addendum** Mr. Crow was tasked with developing the peak construction addendum for the proposed Louisiana International Terminal. He read and summarized two previous studies concerning LIT and pulled any relevant information and data for use in the addendum. Development of the addendum involved capacity analysis (using HCS 2023) for multiple intersections with various control types. Grown volumes and generated trips were estimated for two construction periods. Mr. Crow also assisted with additional analysis and writing for the environmental assessment being completed by Fields Environmental Consulting.
04/26-Ongoing	**NORTA Rapid Bus Transit** Mr. Crow performed site observations at a variety of intersections to note traffic behavior, unmet demand, and queues. He used TruTraffic to record travel-time runs on various corridors and completed geometric field reviews to document intersection layouts. The observations and data were utilized by Mr. Crow to prepare intersection Geometric Field Reports in a standardized, user-friendly format.
02/25-04/26	**Stage 0 – Fire Tower Rd-LA 445** Mr. Crow performed capacity analysis for all project intersections using HCS for both intersections and highways. He also assisted in writing the report and attended project management meetings to collaborate with stakeholders. He attended the second public meeting with the project management team and discussed the project with the public as needed.
02/25-02/26	**Denham Springs Wellcome Center TIA** Mr. Crow was tasked with conducting a traffic study for a proposed convenience store/gas station in Denham Springs, LA. He performed site visits with the project engineer to examine any site distance issues. Following this, he generated trips for the development and performed capacity analysis for four access configurations. He assisted with the traffic report and made revisions following comments from LADOTD prior to approval.

Firm employed by URBAN SYSTEMS inc.			
ABIGAIL CAHILL, E.I Engineer Intern		Years of relevant experience with this employer	2
		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization		BS / 2025 / Civil Engineering	
Active registration number / state / expiration date		36199 / Louisiana / 03/31/2028	
Year registered	2026	Discipline	Engineer Intern: Civil Engineering
Contract role(s) / brief description of responsibilities		**Traffic Analysis**	

Ms. Cahill has academic and internship experience preparing Transportation Management Plans and site-specific traffic control device plans in a variety of project environments. Her training includes developing traffic control strategies for urban corridors, suburban arterials, and rural highway detours. She has completed design projects that involved signal coordination and operational analysis, including the use of HCS, Synchro, and Sidra. Ms. Cahill has also participated in coursework focused on roadway safety enhancements and fiber optic communication network planning for traffic systems.

09/25-3/26	**Promenade Parkway** Ms. Cahill conducted site visits, capacity analysis, turn-lane and traffic-signal warrants, and a safety evaluation to identify potential improvements at the intersection of Promenade Parkway and Bobby Eleuterius Blvd. She summarized the project in a draft report and made revisions based on the client's comments prior to final approval. The City of D'Iberville is proceeding with implementing safety improvements that include a turn lane in lieu of signalization.
09/25-6/26	**Florida Blvd Design** The preliminary signal design for the intersections of Florida Blvd at Foster, Midblock Crossing, and Peachtree was prepared by Ms. Cahill; this included proposing locations for traffic signal equipment, preparing the TSI, and compiling a list of pay items for the intersection. Following review by LADOTD, Ms. Cahill responded to comments for the Midblock Crossing intersection and the Foster intersection.
09/2025-Ongoing	**LA Hwy 3127 Widening** Ms. Cahill determined safety performance functions using CARTS and found crash modification factors. She assisted the project engineer with writing the safety section of the Traffic Management Plan (TMP). Ms. Cahill also assisted with the HCS analysis files and CAD drawings.
4/2026-Ongoing	**Alia Development** Ms. Cahill was tasked with conducting a traffic study for a proposed mixed-use development in Belle Chasse, LA. Ms. Cahill used collected count data to generate peak periods and peak hours. She performed site visits to observe peak-hour conditions, count queues to identify unmet demand, and examine any site distance issues.

Firm employed by **Emergent Method**			
Name	**KEESLER MORRISON**	Years of relevant experience with this employer	5
Title	**Public Outreach and Agency Coordination Project Manager**	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization		BS/Louisiana State University/2020/Economics	
Active registration number/state / expiration date		N/A	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Public Outreach and Agency Coordination **MPR No. 15**	

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 years of experience specified in the applicable MPR(s).
09/26-Ongoing	**Highway Priority Program, Louisiana Department of Transportation and Development, Baton Rouge, Louisiana, Outreach and Engagement Project Manager.** Responsible for creating deliverables to represent the Highway Priority Program and convert dense, complex information into an easy-to-read and understand format. Leads all content creation and graphic design work associated with the Highway Priority Program's outreach materials. Develops presentations, one-pagers, and other associated materials for distribution at the Highway Priority Program Roadshow.
09/26-Ongoing	**CURRENT Authority Support, Louisiana Department of Transportation and Development, Baton Rouge, Louisiana, Outreach and Engagement Project Manager.** Leads project delivery for program management, public information and outreach, stakeholder engagement, and strategic communications as the Authority develops its inaugural statewide Master Plan. Oversees project planning, client coordination, work plan execution, and multidisciplinary team performance to ensure the successful delivery of services. Directs the development and implementation of statewide public outreach and stakeholder engagement strategies, manages communications planning and messaging, and advises Authority leadership on governance, operational coordination, and strategic planning during the organization's formative stages. Coordinates across state agencies, local governments, industry partners, and community stakeholders to facilitate collaboration and ensure broad participation throughout the Master Plan development process.
06/24-Ongoing	**Virginia Flood Protection Master Plan, Virginia Department of Conservation and Recreation, Richmond, Virginia, Outreach and Engagement Project Manager.** Responsible for the overall direction of outreach and engagement strategies to effectively engage stakeholders. Leads overall strategy development and execution.
06/24-Ongoing	**Comprehensive Conservation Management Plan, Lake Pontchartrain Restoration Program, Baton Rouge, Louisiana, Outreach and Engagement Project Manager.** Leads the overall strategy development and execution of stakeholder outreach and engagement. Responsible for deliverable development. Leads in-person and virtual meeting preparation and execution to internal and external stakeholders, including logistics planning, coordination, and facilitation.
06/24-Ongoing	**Atchafalaya Master Plan, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, Louisiana, Outreach and Engagement Project Manager.** Responsible for the execution of planning efforts by contributing to the overall direction of plans, including the definition of goals, objectives, and actionable steps to align with the organization's vision. Aids in the creation of presentations by organizing content, designing slides, and articulating key messages. Assists in the development of webinar outlines by structuring topics, planning interactive elements, and ensuring a coherent and engaging flow.
01/22-Ongoing	**Fiscal Year 2023, 2024, 2025, 2026, and 2027 Annual Plans, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, Louisiana, Outreach and Engagement Project Manager.** Supports overarching communications strategy for the CPRA Annual Plans, which includes inventory projects, presents implementation schedules, and identifies funding schedules and budgets to provide an update on the state's efforts to protect and restore its coast and describe the short-term and long-term results that citizens can expect to see as the

	state progresses toward a sustainable coast. Leads content development through building relationships with project teams, administrative personnel, and executive leadership to understand project information and synthesize its budget, purpose, and status for public audiences. Coordinates community outreach and engagement efforts, including facilitating workshops, public meetings, and other various meeting facilitation needs by giving presentations, fielding questions, and serving as the liaison between the technical program team and community members. Ensures program brand consistency across all communication channels, including presentations, talking points, print deliverables, and digital/social content.
08/21-12/25	**Outreach and Engagement, Mississippi River Mid-Basin Sediment Diversion Program, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, LA, Outreach and Engagement Coordinator.** Responsible for the implementation of extensive outreach and engagement efforts related to CPRA's sediment diversion program, including facilitating outreach and communication with the various stakeholder groups of the program and CPRA. Supported the development of strategic communication tools, including talking points, digital and print educational materials, and presentations for program team members and CPRA leadership. Supported day-to-day program management by documenting key tasks, coordinating meeting logistics, and working with the varied program functional leads to support outreach and engagement efforts, structured around NEPA-required formal statutory periods, coordinated multi-agency transparency, and localized community feedback loops, including public scoping meetings, draft EIS comment periods, combined hearings with the Louisiana Trustee Implementation Group, and targeted stakeholder engagement.
11/22-05/23	**2023 Coastal Master Plan, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, Louisiana, Outreach and Engagement Project Manager.** Coordinated overarching communications strategy for CPRA's comprehensive effort to evaluate the state's natural resources, ongoing risks, and preparations to protect Louisiana's resources while reducing land loss and flood risk. Supported the development of program messaging and content through building relationships with key stakeholder groups, including project engineers, elected officials, and community representatives. Managed community outreach and engagement efforts, including facilitating workshops, public meetings, and other various meeting facilitation needs by giving presentations, fielding questions, and serving as the liaison between the technical program team and community members. Ensured program brand consistency across all communication channels, including presentations, talking points, print deliverables, and digital/social content.

Firm employed by **Emergent Method**			
Name	**ANNIE LANDRY**	Years of relevant experience with this employer	7
Title	**Communicator**	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization		MA/2016/Mass Communication BA/2014/Mass Communication	
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	
Contract role(s) / brief description of responsibilities		Public Outreach 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 years of experience specified in the applicable MPR(s).
09/19-Ongoing	**Louisiana Watershed Initiative, Louisiana Office of Community Development (OCD), Baton Rouge, Louisiana, Communication Manager.** Manages communication and outreach efforts for the Louisiana Watershed Initiative, a statewide federally funded program focused on collaborating across parish and state lines on watershed-based floodplain management to reduce flood risk in Louisiana. Oversees the work of cross-functional team members to support content development for public official and stakeholder outreach efforts to inform program design, policy research, compliance, and the ongoing development of brand standards, ensuring compliance with overall program standards. Develops and distributes press releases, presentation materials, web and social media content, talking points, email campaigns, and more while also facilitating educational workshops, webinars, and public meetings to communicate program updates, progress, and initiatives to a wide variety of stakeholders.
11/22-01/23	**FY 2024 Annual Plan, Louisiana Coastal Protection and Restoration Authority (CPRA) (Subcontractor to Royal Engineering), Baton Rouge, Louisiana, Communications Specialist.** Supported development of the FY 2024 CPRA Annual Plan, which inventories projects, presents implementation schedules for these projects, and identifies funding schedules and budgets. Provided content development support and coordination, collaborated with the program team, and supported project scheduling and organization.
08/20-08/21	**Communication, Outreach, and Engagement Support, Southern Rail Commission, Louisiana, Mississippi, and Alabama, Communication Consultant.** Supported communication and outreach efforts across Louisiana, Mississippi, and Alabama networks. Developed content for communication materials, including email campaigns, blog posts, website content, and educational materials. Supported media relations, including press releases and media inquiries.
06/15-09/19	**Greater Baton Rouge Business Report, Baton Rouge, Louisiana, Staff Reporter.** Served as a staff writer at the Greater Baton Rouge Business Report — an award-winning business news publication — for four years. Produced feature stories and cover stories for the magazine, published twice a month, while also reporting for Daily Report, a twice-daily e-newsletter. Covered a range of topics, including business and industry news, state and local politics, executive profiles, enterprise stories, and breaking news across the Capital Region

Firm employed by **Emergent Method**					
Name	**JACQUELINE FOREMAN**		Years of relevant experience with this employer	4	
Title	Communicator/Graphic Design		Years of relevant experience with other employer(s)	6	
Degree(s) / Years / Specialization			BFA/2017/Studio Art, Graphic Design Concentration		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline			
Contract role(s) / brief description of responsibilities			Public Outreach 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 years of experience specified in the applicable MPR(s).
06/24-Ongoing	**Website Development, Louisiana Office of Community Development, Baton Rouge, Louisiana, UI/UX Designer.** Creating a visual redesign of the layout structure of the Louisiana Office for Community Development's website to enhance the user interface. This includes visual layout, navigation structure, and interactive elements such as buttons and hover states, all while ensuring the design meets accessibility standards and stays within the client's brand standards.
08/23-Ongoing	**Communications, Outreach, and Engagement Support, Louisiana Housing Corporation (LHC), Baton Rouge, Louisiana, Designer**. Creates and designs a wide range of print and digital marketing materials for the Louisiana Housing Corporation. LHC offers programs to ensure working families have access to affordable and safe housing. Collateral pieces include, but are not limited to, informational brochures, flyers, push cards, social media graphics, annual reports, and templates.
01/24-03/24	**Website Design, Ascension Parish Sheriff's Office, Ascension Parish, Louisiana, UI/UX Designer.** Played a role in enhancing the user interface and experience of the new Ascension Parish Sheriff's Office website with a visual redesign. This included navigation, streamlined content presentation, and cohesive design elements. By optimizing usability and accessibility, the new design provides a more intuitive and efficient browsing experience. This redesign involved a new organizational hierarchy of menu items to help better meet the needs of the target audience.
03/23-06/23	**Organizational and Brand Strategy Planning, Kansas State University, Manhattan, Kansas, Designer.** Assisted in the development of brand strategy recommendations for Kansas State University to better align with the future of the university. Worked on a team to lead a brand strategy retreat where task force members were able to voice opinions, engage in conversation and participate in an interactive branding activity.
04/22-11/22	**IBM, Baton Rouge, Louisiana, Senior Visual Designer.** Worked on global teams consisting of designers, researchers, and developers to create visual designs and interactive application prototypes. Worked within brand guidelines to create layouts that reinforced a brand's style or voice through visual touch points. Her projects included the full spectrum of design, including user research, research analysis, information architectures, user flows, personas, wire frames, mockups, and prototypes.
10/19-04/22	**Lamar Advertising, Baton Rouge, Louisiana, National Sales Graphic Designer.** Created and executed various projects such as one-sheets, presentations, branded collateral, and out-of-the-box campaign pitches for national clients. Communicated daily with multiple account managers and executives, brainstorming projects and new ideas for clients.

Firm employed by **Emergent Method**					
Name	**MAGGIE CLARK**			Years of relevant experience with this employer	0.5
Title	Communicator			Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BA/2023/Political Science		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline			
Contract role(s) / brief description of responsibilities			Public Outreach 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 years of experience specified in the applicable MPR(s).
05/26-Ongoing	**Eden Isle Flood Risk Reduction, Louisiana Coastal Protection and Restoration Authority, Baton Rouge, Louisiana, Outreach and Engagement Coordinator.** Built out stakeholder lists. Created content for presentations, one-pagers, posters, and door-knockers. Worked to create strategy and outreach timeline, goals, objectives, and action items. Planning community meetings. Coordinating stakeholder meetings and presenting plans to key community leaders.
05/26-Ongoing	**Highway Priority Program, Louisiana Department of Transportation and Development, Baton Rouge, Louisiana, Outreach and Engagement Coordinator.** Responsible for creating deliverables to reflect the Highway Priority Program and converting complex data into digestible content. Works in tandem with the design team on content creation for collateral and outreach materials. Develops presentations, one-pagers, and other associated materials for distribution.
08/25-10/25	**Darden Copeland for Congress, Darden Copeland, Tennessee, Field Director/Deputy Communications Director.** Directed on-the-ground field operations and communications strategy for the TN-07 U.S. congressional campaign across 14 Tennessee counties, coordinating events, media outreach, and voter engagement initiatives. Managed candidate scheduling, press relations, and digital communication for campaign events. Executed over 30 campaign events and strengthened campaign visibility through authentic voter engagement strategies, targeted community outreach, and earned media coverage.
08/24-08/25	**Cooley Public Strategies, Nashville, Tennessee, Public Affairs Associate.** Oversaw public relations and communications strategies for clients by drafting press releases and media advisories, authoring opinion pieces, creating graphics for social media content, and pitching stories to statewide and nationwide media markets. Consulted and advised Fortune 500 clients on press management and earned media, while aiding in building coalitions and tailoring community outreach for campaigns.
01/24-06/24	**Johnson Poss Kirby Government Relations, Nashville, Tennessee, Public Affairs Associate.** Composed comprehensive legislative reports from introduction, committees, and the House Chamber, researching and tracking legislation and analyzing members' votes for future lobbying strategies. Executed weekly meeting requests from the Tennessee General Assembly and staff to provide engagement for clients and firm principals. Monitored and prioritized legislation using Tennessee Legislative Services to issue tailored bill reports to clients.

Firm employed by **Emergent Method**					
Name	**WILLIAM KIRKLAND**		Years of relevant experience with this employer	0.5	
Title	**Communicator**		Years of relevant experience with other employer(s)	5	
Degree(s) / Years / Specialization			BA/2021/Communication Studies		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			Public Outreach 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 years of experience specified in the applicable MPR(s).
06/26-Present	**General Communications, Louisiana Office of Community Development, Baton Rouge, Louisiana, Communications Coordinator.** Created social media consolidation plan, including content and content calendar for Local Government Assistance (LGA). Assisted with the creation of the August 2026 Special Edition Agency Update. Created LOCD Project Promotion Toolkit, equipping municipalities with simple, reusable tools to promote LOCD-supported projects.
02/25-06/26	**Strategic Initiatives and External Affairs, Mayor's Staff, City of Monroe, Louisiana, Senior Director.** Oversaw creation and distribution of press releases, public statements, and media materials. Oversaw social media management, Mayor's strategic initiatives, and community events. Tracked application outcomes and supported grant administration across departments. Served as a liaison between Mayor's Office and community stakeholders as needed.
11/22-02/25	**Great Minds Agency, Monroe, Louisiana, Marketing Coordinator.** Assisted in the development of marketing campaigns across various platforms. Developed media outreach for clients, roadmaps for television commercials, and storyboards for commercial filming. Directed commercial film shoots. Provided administrative support.
01/20-11/22	**Boundary Solutions, Inc., Jonesboro, Louisiana, Director/President.** Oversaw all business activities, personnel matters, client relations, billing, and marketing.
08/21-08/21	**Congresswoman Julia Letlow, U.S. House of Representatives, Washington, D.C., Intern.** Communicated with constituents from the representative's district, per office and House standards, as the liaison between D.C. and district offices. Monitored daily media for the communication team.

Firm employed by **AECOM Technical Services, Inc.**					
Name	**TOM HERZOG**		Years of relevant experience with this employer	20	
Title	**Noise Analysis**		Years of relevant experience with other employer(s)	12	
Degree(s) / Years / Specialization			MBA/1994/Finance BA/1988/Physics		
Active registration number / state / expiration date			N/A		
Year registered	N/A	Discipline	N/A		
Contract role(s) / brief description of responsibilities			**MPR 3 – Noise Analysis**; Tom specializes in determining transportation noise and vibration impacts, and designing cost-effective mitigation measures. He uses the latest prediction methodologies, including the FHWA's Traffic Noise Model (TNM) for highway and bus rapid transit noise, the FTA's Transit Noise and Vibration Modeling Assessment guidelines, as well as other acoustical algorithms and methodologies to predict and assess noise impacts from highway and transit sources (such as pure tone mitigation). He has also used the FHWA Roadway Construction Noise Model and the FTA construction guidelines to assess noise and vibration impacts from, and develop mitigation measure for, proposed construction activities.		

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 years of experience specified in the applicable MPR(s).
01/14-07/19	**DOTD, SPN H.001779.5, Red River Bridge at Jimmie Davis Highway (LA 511) EA, Bossier and Caddo Parishes, LA**: Noise Analysis. Tom prepared an FHWA highway noise assessment that evaluated traffic noise impacts on nearby residences due to the proposed replacement of the Jimmie Davis Bridge just south of Shreveport. The noise analysis evaluated various design options along the roadway widening project in accordance with the LA DOTD's Highway Traffic Noise Policy. The noise analysis included an assessment of future project noise levels to determine the need for mitigation.
03/16-Ongoing	**DOTD, SPN H.004273.5, I-49 Lafayette Connector Supplemental EIS, LA: Noise Analysis:** Tom led the traffic noise impact assessments for the proposed introduction of a new six-lane elevated 5½-mile interstate highway through downtown Lafayette. The noise analysis utilized the most recently released FHWA Traffic Noise Model (TNM) Version 3.1 to predict the potential impacts at nearby residences along the Project corridor. Where noise impacts were predicted, nine noise barriers were evaluated to optimize the noise reduction at the selected modeling sites. The barriers were evaluated in accordance with DOTD Highway Traffic Noise Policy to determine their feasibility and reasonableness.
05/23-Ongoing	**PennDOT I-81 Reconstruction Project, Section D46, Preliminary Engineering Noise Report, PA: Noise Analysis.** Tom led the noise impact assessment for the proposed widening and redevelopment of an 8-mile section of the I-81 Interstate between Wilkes- Barre Scranton International Airport in Avoca to a point just north of the President Biden Expressway in Scranton. The noise analysis utilized the FHWA Traffic Noise Model (TNM) version 2.5 to predict the potential impacts at nearby residences in the study area due to roadway traffic. The evaluations were conducted for four interchanges and two mainlines widened from four to six lanes. Noise measurements were conducted to establish the baseline conditions and to validate the prediction model. Where noise impacts were predicted, 23 wayside noise barriers were evaluated to optimize the noise reduction at the selected modeling sites. The barriers were evaluated in accordance with the PennDOT Publication No. 24 to determine their feasibility and reasonableness.

05/21-11/24	**NJ Turnpike Interchange 1 to 4 Widening Program, Preliminary Engineering Noise Report, NJ: Noise Analysis.** Tom led the noise impact assessment for the proposed widening and redevelopment of a 36-mile section of the New Jersey Turnpike between Interchange 1 along the Delaware border to Interchange 4 in Mt. Laurel. The noise analysis utilized the FHWA Traffic Noise Model (TNM) version 2.5 to predict the potential impacts at nearby residences in the study area due to roadway traffic. The evaluations were conducted for multiple Build Design Options including a widened mainline as well as two new interchanges. Noise measurements were conducted to establish the baseline conditions and to validate the prediction model. Where noise impacts were predicted, 51 wayside noise barriers were evaluated to optimize the noise reduction at the selected modeling sites. The barriers were evaluated in accordance with the NJTA's recently updated Policy for Construction of Noise Barriers in Residential Areas to determine their feasibility and reasonableness.
07/15-09/15	**MDOT, Gulfport Connector/US 90 Project EA/PE, MS: Noise Analysis.** Tom led the traffic noise impact assessment for the proposed construction of a 160-foot grade separated bridge over US Highway 90 to improve the connectivity with the container port in Harrison County, MS. The noise analysis utilized the most current FHWA Traffic Noise Model (TNM) to predict the potential impacts at nearby residences in the vicinity of the new bridge and adjacent to the roadway improvements along the intermodal truck corridor (30th Avenue) for the Existing and future No Build and Build Alternatives. Noise measurements were also conducted to establish the baseline conditions and to validate the prediction model. Where noise impacts were predicted, mitigation was evaluated in accordance with MDOT Highway Traffic Noise Policy to determine whether they would be feasible and reasonable.
11/05-04/12	**NYSDOT Tappan Zee Bridge Replacement Project, Alternative Analysis and EIS Phases, NY: Air Quality and Noise Analysis.** Tom assisted with the environmental analyses of the roadway traffic noise along the 30-mile corridor that included the replacement of the Tappan Zee Bridge, introduction of HOV and HOT lanes as well as commuter rail service within the highway ROW. The noise assessment was conducted in accordance with the new FHWA Highway Traffic Noise: Analysis and Abatement Guidance [July 2010]. The traffic analysis included highway volumes of almost 200,000 AADT, both bus and commuter rail transit and mitigation that evaluated over 30 noise barriers using both the FHWA and the FTA modeling guidelines. The traffic noise barrier analysis also included an evaluation of replacing existing barriers in new locations or at increased heights to account for the new bus and diesel locomotive transit sources. A detailed construction analysis was also conducted using the FHWA Roadway Construction Noise Model, RCNM.
06/17-06/19	**PennDOT I-78/SR-61 Interchange EA & Final Design, PA: Air Quality and Noise Analysis.** Tom led the traffic noise impact assessments for the proposed re-design of the I-78 and SR 61 interchange and bridge improvements in Hamburg, PA. The noise analysis included a detailed noise barrier analysis to fine-tune and optimize the barrier dimensions, noise reduction and overall barrier construction costs. Working with the geotechnical and civil design team, this iterative design process also included an evaluation of utility constraints, application of structure-mounted barriers on a bridge and the application of the Equivalent Receptor Units (ERU) methodology to nearby parks and trails. The noise barriers were evaluated in accordance with PennDOT Publication #24, Project Level Highway Traffic Noise Handbook to determine their feasibility and reasonableness.
03/19-7/19	**NCDOT Independence Boulevard, NC: Noise Analysis.** Tom prepared an FHWA highway noise assessment that evaluated traffic noise impacts on nearby residences due to the proposed roadway improvements along Independence Boulevard in Wilmington, NC. The noise analysis evaluated various design options along the roadway improvement project in accordance with the NCDOT's 2016 Traffic Noise Policy. The noise analysis included an assessment of future project noise levels to determine the need for mitigation.

Firm employed by **MB3 Inc. DBA Civix**			
Name	Hubert Graves	Years of relevant experience with this employer	6
Title	Project Manager/Senior Land Specialist	Years of relevant experience with other employer(s)	31

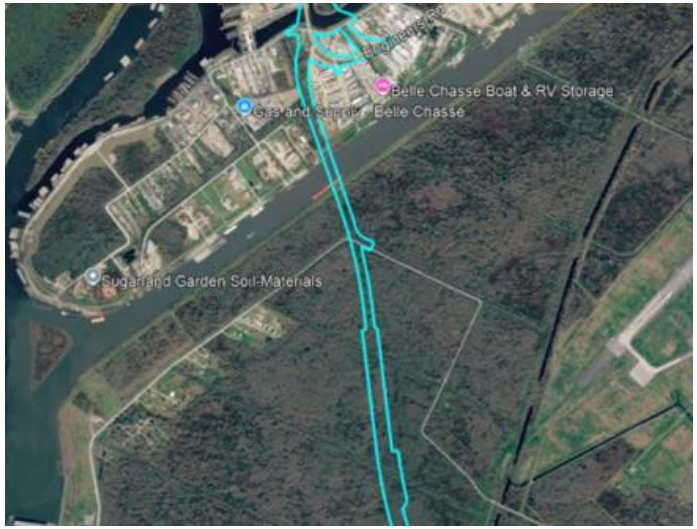
Degree(s) / Years / Specialization			Bachelor of Science/1987/Finance/Minor in Real Estate
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities			**Real Estate Professional** Hubert Graves joined Civix in 2020 and is a Senior Land Specialist in Right of Way Management. Hubert has 39 combined years of project management and right-of-way acquisition and relocation experience and is proficient in all aspects of the acquisition life cycle including right-of-way map reviews, permitting, title research, preparation of abstracts of title, negotiations, curative title and closings. Hubert is experienced in relocation assistance services, including preparation of conceptual stage relocation plans. Hubert has worked closely with project engineers, surveyors, appraisers and title attorneys in various stages of the acquisition life cycle and is knowledgeable of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended. Prior to joining Civix, Hubert worked over 31 consecutive years for the Louisiana Department of Transportation and Development (LADOTD) where he held several real estate positions throughout his career, most recently as the Real Estate Administrator. During his tenure with LADOTD, Hubert managed the Real Estate Section including appraisal, acquisition, contracts, consultants, relocation assistance, and property management activities. He reviewed and approved relocation assistance offers, administered the Excess Property Disposal process, and maintained LADOTD publications including real estate manuals. In addition to his hands-on experience, Hubert has completed several continuing education courses with the International Right of Way Association (IRWA) and National Highway Institute (NHI). Hubert will provide right-of-way support services and prepare conceptual stage relocation plans for task orders as needed.

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 years of experience specified in the applicable MPR(s).
12/20 – Ongoing	Move Ascension Initiative – Turnkey Right of Way Acquisition Services Civix’s initial role included right-of-way acquisition and relocation services and has expanded since project inception in the areas of legal descriptions and right-of-way map reviews, GIS application development, and litigation support. Civix is currently engaged in several right-of-way acquisition and relocation activities for roadway widening, roundabout, and connector projects. Hubert provides instructional guidance and oversight to the acquisition team for several Move Ascension projects and oversees all project relocations, coordinates with surveyors and appraisers, and the client. Hubert has prepared preliminary relocation plans for several Move Ascension Projects.

8/23 – Ongoing	Southwest Coastal Louisiana Nonstructural Storm Damage Risk Reduction Project – Coast Protection and Restoration Authority Civix provides program implementation, abstracting, mapping, landowner coordination, and tenant relocation services for the project. Hubert provides support to the project through participation in the development of the Relocation Assistance Implementation Plan. Hubert identified the framework for relocation activities required for the project and assisted with relocation assistance planning and benefit administration for temporarily displaced tenants.
12/20 – Ongoing	New Orleans to Venice and Non-Federal Levee Project – Plaquemines Parish Government Civix served as program manager for 13 years and provides right-of-way acquisition and relocation services to facilitate the Plaquemines Parish Government in granting Authorizations for Entry to the U.S. Army Corps of Engineers for construction of 30 levee and floodwall projects. Hubert handled all project relocation planning and implementation components for the project in accordance with the Uniform Relocation Act.

17. Firm Experience:

Firm name	**ELOS Environmental, LLC**		Discipline(s)*	Environmental, Planning	
Project name	**LADOTD Peters Road Bridge and Extension**			Firm responsibility (prime or sub?)	Sub
Project number	H.014340	Owner's name	Burk-Klienpeter, Inc and DOTD		
Project location	Jefferson and Plaquemines Parish, LA		Owner's Project Manager	Rebecca J. Chopin, PE, Burk-Klienpeter, Inc	
Owner's address, phone, email	2400 Veterans Blvd, Ste 310, Kenner, LA 70062, 504-486-5901; rjchopin@bkiusa.com				
Services commenced by this firm (mm/yy)	2025	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)		$84,000	



ELOS is contracted to provide environmental services for the DOTD Peters Road Bridge and Extension project located along and between LA Hwy 1261 and Peters Road (LA Hwy 3017) in support of NEPA compliance. This nearly 100-acre project proposes to construct a two-lane, approximately 5-mile-long access roadway to improve connectivity between Peters Road and LA Hwy 23. Services have included completing a **wetland delineation, a noise study, an air quality study, and an extensive cultural resources survey**.

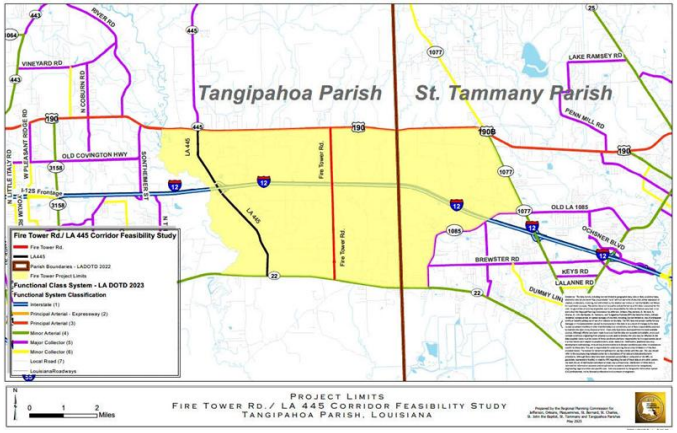
The wetland delineation was completed for a site consisting of forested land, LA Hwy 3017, a bridge, a commercial business, levees, an intercostal waterway, Buccaneer Road, Peters Road, and drainage ditches, located in both parishes. Seven separate wetland areas were observed within the project area, but the majority of the area was deemed non-wetland.

ELOS also completed a terrestrial cultural survey, analyzing 234 shovel test pits, and conducted an architectural survey of the area. The shovel tests revealed no culturally significant findings. Fourteen new resources were recorded (one railroad spur, two historic bridges, one waterway, and ten buildings); however, none were eligible for listing on the National Register of Historic Places.

ELOS' final environmental services included conducting Air Quality and Noise Studies. The findings showed that the project is not anticipated to significantly change the currently measured air quality and noise data.

Personnel Assigned: **Lucas Watkins, Basile Dadar,** Ben Olivier, Audrey Arrasmith, Emily Agnelly, **Brian Fortson,** Caroline Simmons, Christopher Wilson, Conner Myers, **JJ Pearsall, Juliane Blaine, Timothy Soileau, Fred Kindred**

Firm name	**ELOS Environmental, LLC**		Discipline(s)*	Environmental	
Project name	**RPC Fire Tower Road – LA 445 Corridor**			Firm responsibility (prime or sub?)	Prime
Project number	H.015968	Owner's name	Regional Planning Commission / DOTD		
Project location	Tangipahoa Parish		Owner's Project Manager	Nelson Hollings	
Owner's address, phone, email	Regional Planning Commission, 10 Veterans Memorial Blvd, New Orleans, LA 70124, 504-483-8500; nhollings@norpc.org				
Services commenced by this firm (mm/yy)		02/25	Total consultant contract cost ($1,000's)		N/A
Services completed by this firm (mm/yy)		06/26	Cost of consultant services provided by this firm ($1,000's)		$250



RPC Fire Tower Road – LA 445 Corridor: The Regional Planning Commission contracted ELOS to lead a technical team to assess the costs, feasibility, and potential environmental impacts of roadway projects within the corridors of Fire Tower Road and LA 445, including the Fire Tower Road-Interstate-12 interchange and key intersections along Fire Tower Road and LA 445.

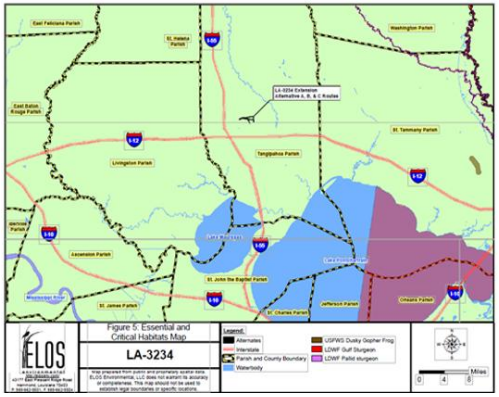
ELOS and the team developed short- and long-term recommendations for roadway maintenance, mobility, financial costs, implementation costs, resiliency, and safety. As a starting place in the overall analysis of the project area, the current infrastructure, namely the roads and utilities, was researched. The team compiled and reviewed five years of fatal- and serious-injury crash data to identify whether any segments within the study area were classified as having a high potential for safety improvements. Traffic analysis was conducted to measure the impacts of a No-Build scenario compared with the growth anticipated in the Parish over the next 30 years. The analysis also provided scenarios for building the I-12/Fire Tower interchange and shifting up to 60% of traffic from the I-12/445 interchange to that interchange. That shift justified the need for intersection improvements at five locations along Fire Tower Road to increase the capacity load for the southern portion of Fire Tower Road, to improve safety in the northern portion by expanding the lane widths and adding shoulders, and by adding traffic signals at each intersection to improve the overall flow of the additional traffic generated.

After the new interchange and intersection improvements were provided, ELOS conducted a full analysis of the environmental impacts, relocation assessments, and acquisition costs, producing two cost estimates for the two alternative interchanges and completing a feasibility study of the options.

Public involvement meetings were planned at different stages to provide important feedback on problems and traffic issues in the project area. ELOS then drafted the report, including an analysis of conceptual plans and growth scenarios to establish an overall assessment of probable costs and project recommendations, all of which were included in the Final Feasibility Study.

Personnel Assigned: **Lucas Watkins, Brian Fortson,** Drake Arnone, **Tim Soileau, Basile Dadar,** Lacy Landrum, and Adam Gartelman.

Firm name	**ELOS Environmental, LLC**		Discipline(s)*	Environmental	
Project name	**LA 3234 Extension to Hammond Airport Stage 1 EA**			Firm responsibility (prime or sub?)	Sub
Project number	H.008915.2	Owner's name	LADOTD and N-Y Associates, Inc		
Project location	Tangipahoa Parish, LA		Owner's Project Manager	Peggy Jo Paine	
Owner's address, phone, email	1201 Capitol Access Rd, Baton Rouge, LA 70802, 225-379-065, peggy.paine@la.gov				
Services commenced by this firm (mm/yy)	01/17	Total consultant contract cost ($1,000's)		$850	
Services completed by this firm (mm/yy)	06/20	Cost of consultant services provided by this firm ($1,000's)		$101	



ELOS was contracted to provide environmental services for the LA-3234 Extension project (including three alternatives) spanning from LA-1065 to Hammond Airport. Each alternative included a new bridge crossing, an upgrade of a portion of US 190 to four-lane capacity, and, at most, five roundabouts. Two of the alternatives included an at-grade railroad crossing. In addition to analyzing (and potentially aligning) the three Stage 0 alternatives, ELOS also needed to analyze the No-Build Alternative.

As part of this project, ELOS prepared cost estimates for environmental mitigation associated with unavoidable project impacts. These estimates addressed a range of potential requirements—including **mitigation for wetlands, hazardous waste, and cultural resources**—ensuring that all regulatory and environmental obligations are fully considered during project planning and execution.

A wetland delineation was performed to evaluate the presence and potential extent of jurisdictional wetlands and other waters of the United States in accordance with USACE requirements. This involved detailed field investigations to accurately map wetland boundaries and assess hydrology, vegetation, and soil conditions within the project area. During field surveys, ELOS also conducted a biological survey to identify **threatened and endangered species** potentially present in the project area. Prior to conducting fieldwork, ELOS confirmed the presence of all federally and state-listed species through desktop review and analysis of available data sources. This ensured that the biological survey was targeted and comprehensive, supporting regulatory compliance and project planning.

Additionally, ELOS conducted a **Phase I Environmental Site Assessment (ESA)** based on data from the project's feasibility study. The purpose of the Phase I ESA was (1) to identify recognized environmental conditions (REC) in, on, or at the proposed alignments that would have an effect on the project, (2) prepare a comparative analysis of potential hazardous waste contamination among the alternates, and (3) make a recommendation about the need for additional assessments or actions prior to real estate acquisition or construction of the project.

Through these services, ELOS has provided **USACE nationwide permit applications, NEPA categorical exclusions**, critical data, analysis, and recommendations to guide the project through regulatory approval and successful implementation, while minimizing environmental impacts and ensuring full compliance with applicable laws and standards. **This project was officially classified by the LADOTD as a critical regional infrastructure and freight corridor project.**

Personnel Assigned: **Lucas Watkins,** Jay Prather, Brittany Berthelot, **Brian Fortson,** Cory Ricks, Jesse McQuigg

Firm name	**ELOS Environmental, LLC**		Discipline(s)*	Environmental	
Project name	**DOTD Stage 0 IDIQ**			Firm responsibility (prime or sub?)	Sub
Project number	Multiple H numbers	Owner's name	(LADOTD) Prime Contractor: Gresham Smith		
Project location			Owner's Project Manager	Richard Savoie	
Owner's address, phone, email	10000 Perkins Rowe, Ste 280, Baton Rouge, LA 70810; 225-960-5483; richard.savoie@greshamsmith.com				
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)	

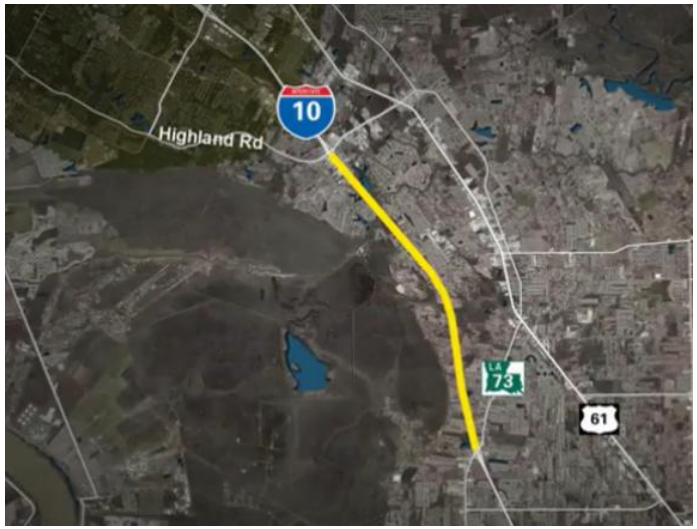
LADOTD contracted with Gresham Smith to provide multiple Stage 0 Environmental Checklists through an IDIQ contract for upcoming projects. To date, ELOS has been contracted to complete the Stage 0 Checklist for two of these projects. ELOS used the Stage 0 Checklist to gather essential information, establish the NEPA purpose and need, and identify environmental issues early so they don't derail the project later.

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.**

Personnel Assigned: **Lucas Watkins, Brian Fortson**, Cory Ricks, **Basile Dardar**, Justin Mitchell

Firm name	**ELOS Environmental, LLC**		Discipline(s)*	Environmental	
Project name	**1-10 Highland to LA 73 Design-Build**			Firm responsibility (prime or sub?)	Sub
Project number	SPN No. H.009250	Owner's name	LADOTD and Sigma Consulting Group, Inc.		
Project location	East Baton Rouge Parish, LA to Ascension Parish, LA		Owner's Project Manager	Robbie Lear	
Owner's address, phone, email	Sigma Consulting Group, Inc. 10305 Airline Hwy, Baton Rouge, LA 70816, (225) 298-0800, rlear@sigmacg.com				
Services commenced by this firm (mm/yy)	08/17	Total consultant contract cost ($1,000's)		$179	
Services completed by this firm (mm/yy)	11/19	Cost of consultant services provided by this firm ($1,000's)		$120	



ELOS was contracted to serve as the environmental compliance manager for the fast-track interstate widening project spanning from Highland Road in Baton Rouge to LA 73 in Prairieville. The project involved widening approximately six miles of I-10—from a quarter mile west of the I-10/Highland Road to east of the I-10/LA 73 interchanges—by expanding the roadway from two lanes in each direction to three.

As the environmental compliance manager, ELOS was responsible for overseeing all permitting and construction monitoring activities to ensure regulatory compliance throughout the project's duration. This included renewing **Section 10/404 Clean Water Act permits, securing Scenic Stream permits, and coordinating with relevant federal and state agencies.** ELOS prepared stormwater management, pollution prevention, and impact mitigation plans for both temporary and permanent project features, including construction staging areas, work zones, and permanent right-of-way improvements. Our scope of work encompassed:

- Conducting field assessments to identify environmentally sensitive areas and potential impacts;
- Developing and implementing best management practices (BMPs) to control erosion, sedimentation, and stormwater runoff during all phases of construction;
- Preparing and submitting required permit applications and supporting documentation;
- Monitoring construction activities to ensure adherence to permit conditions and mitigation measures;
- Providing regular compliance reports and updates to project stakeholders and regulatory agencies;
- Coordinating with contractors, engineers, and agency representatives to promptly resolve any compliance issues or unforeseen environmental concerns.

ELOS ensured that the project proceeded efficiently, remained in compliance with all applicable environmental regulations, and successfully minimized impacts to water resources, wetlands, and other environmental factors. **This widening project was officially classified by the LADOTD as a critical regional infrastructure and freight corridor project.**

Personnel Assigned: **Lucas Watkins,** Jay Prather, Brittany Berthelot, Flynn Daigle, **Brian Fortson,** Maria Bernard Reid, Drake Arnone, Jesse McQuigg.

Firm Name	***ECM Consultants, LLC***	Discipline(s)*	**Road**
Project Name	**Severn Avenue Corridor Improvements (Veterans Blvd. to W. Esplanade)**	Firm responsibility (prime or sub?)	**Prime**
Project number	**H.011752**	Owner's name	**LADOTD/Jefferson Parish**
Project location	**Metairie, Jefferson Parish, Louisiana**	Owner's Project Manager	**Mark Drewes, P.E./Kevin Rizzo, P.E. (DOTD)**
Owner's address, phone, email	**1221 Elmwood Park, Jefferson, LA-70123, 504-736-6511, MDrewes@Jeff Parish.net/504.250.1669, kevin.rizzo@la.gov**		
Services commenced by this firm (mm/yy)	**07/20**	Total consultant contract cost ($1,000's) (Design + CE&I)	**$2,602**
Services completed by this firm (mm/yy)	**12/22**	Cost of consultant services provided by this firm ($1,000's)	**$2,415**

17. Firm Experience:

ECM provided engineering designs and prepared plans, specifications, and estimate (PS&E) for this $14.2 million, 6-Lane divided, major Portland Cement Concrete (PCC) roadway. This stretch of Severn Avenue, with businesses on both sides, including Lakeside Mall on the east side, is the most heavily traveled and busiest street in Jefferson Parish. The purpose of the project is to make the Severn Avenue corridor a pedestrian-friendly, complete street. As a part of the Federal Aid Urban System program, all engineering design and plan preparation was performed in accordance with LADOTD standards and guidelines. Plans and specifications were reviewed by the Road design section and all their comments were incorporated on the plans.

During field investigations and preliminary study, ECM engineers discovered that the existing pavement has signs of distresses in many locations as well as evidence of street flooding during moderate to heavy rain events. ECM recommended improvements to the existing subsurface drainage as essential. Since existing subsurface drainage systems are located in the paved areas and that the project scope included removal and replacement of the PCC roadway, ECM engineers recommended to replace the drainage system and add large new trunk lines for retention of runoffs to minimize flooding in the area.

Work included topographic and subsurface utility survey; development of existing and proposed drainage maps with associated hydraulic computations; design for the new 3 lanes each for North and South bound PCC roadway, widening and improvements to roadway intersections; modifications to traffic signals including new pedestrian signals and decorative streetlights; new 8-foot wide brick paved sidewalks with ADA compliant ramps; new landscaping including irrigation system, roadway striping, and a dedicated bike lane with buffer and construction of 10 parklets with pavers, benches, potted plantings, and bike racks.

ECM provided project management, engineering designs, prepared plans, specifications, and estimates (PS&E), including sequence of construction plans and traffic detour plans. ECM provided coordination with JP-DPW, LADOTD, JP Council, RPC, various utility entities, and subconsultants submitted to DOTD.

Firm members working/will work on this project and used in this proposal:
Ujjal DasGupta, P.E., Sunina Shrestha, PE, Zachary Collier, P.E.

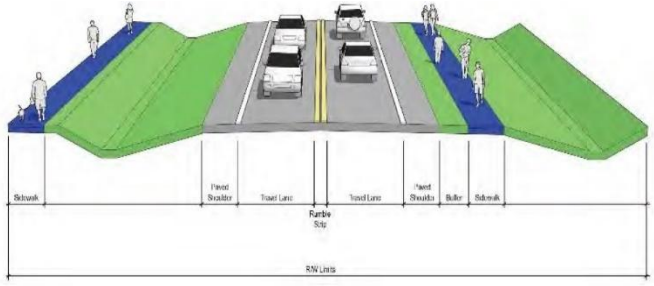
Firm Name	***ECM Consultants, LLC***		Discipline(s)*		**Road/ Bridge**
Project Name	**Port Hudson - Pride Road (LA 964 - LA 19), Baton Rouge, LA**		Firm responsibility (prime or sub?)		**Prime**
Project number	**22-CP-HC-0023**	Owner's name	**City of Baton Rouge DPW**		
Project location	**Baton Rouge, LA**	Owner's Project Manager		**Zach Schmidt, P.E.**	
Owner's address, phone, email	**8555 United Plaza Blvd., Baton Rouge, LA 70809; 225.831.2224; Zach.schmidt@csrsinc.com**				
Services commenced by this firm (mm/yy)	**02/18**	Total consultant contract cost ($1,000's)		**$ 110**	
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)		**$ 110**	

ECM is providing engineering design services for the replacement of Port Hudson Pride Road extending from LA 964 to LA 19 (approximately 2.6 miles). The project involved multiple intersection roads and bridges. This project is part of the MOVEBR Program, designated as a New Capacity Improvement Project.

The proposed includes planning and design activities to increase capacity and enhance traffic flow within the project limits. Port Hudson - Pride Road is currently a two-lane roadway with open ditches, without paved shoulders. This project includes reconstruction of existing Port Hudson – Pride Road, adding paved shoulders on entire length of project and construction of sidewalks within the developed areas to Pin Oak Subdivision and reconstruction of existing bridges. The project also involves the improvement of the existing drainage system and planning and design activities to improve the traffic and connectivity of the existing Port Hudson pride road. This section of Port Hudson-Pride Road also includes the replacement of two bridges. Due to hydraulic considerations, the new bridges are being designed and set at a much higher elevation than the existing bridges. ECM's design includes a line and grade that meet AASHTO geometric design standards for horizontal and vertical curvature for roadways and bridges that will be incorporated.

Services included preparation of a design study with road and bridge preliminary design, Roadway geometric line and grade, hydraulic, traffic, environmental, and geotechnical considerations; providing topographic survey; providing preliminary and final construction plans and cost estimates; and providing a bridge load rating in accordance with LADOTD standards and criteria. All work is being performed in accordance with MOVEBR Design Guidelines following City-Parish and LADOTD guidelines.

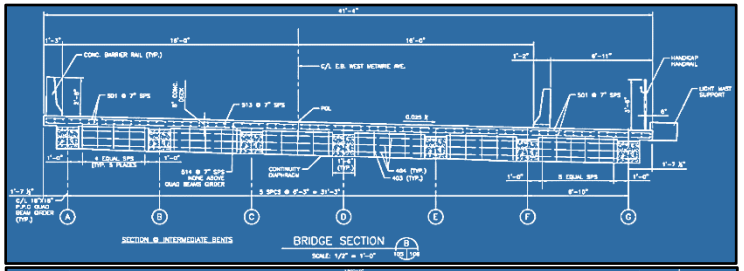
As part of design study ECM team is performing the comprehensive hydrologic and hydraulic study of the existing and proposed corridor of the Port Hudson pride road and White Bayou. Bridge. They are also preparing the different alternatives for the alignment and typical section of the proposed road based and bridges based on the H&H requirement and traffic study.

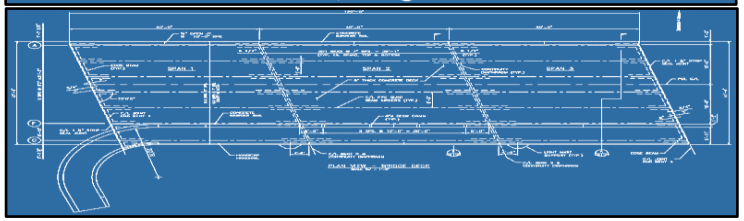


Firm members worked on this project and used in this proposal (Highlighted)
Sunina Shrestha, PE, PMP, Sudhir Mehta, PE

Firm Name	***ECM Consultants, LLC***	Discipline(s)*	**Road**
Project Name	**West Metairie Avenue Bridge Replacement, Metairie, Jefferson Parish, LA.**	Firm responsibility (prime or sub?)	**Sub**
Project number	**2016-030-DR**	Owner's name	**Jefferson Parish-DPW**
Project location	**Metairie, LA**	Owner's Project Manager	**Mark Drewes, P.E.**
Owner's address, phone, email	**1221 Elmwood Park Blvd, Elmwood, LA 70809; 504.736.6784; mark.drewes@jeffparish.gov**		
Services commenced by this firm (mm/yy)	**02/2026**	Total consultant contract cost ($1,000's)	**$ 299**
Services completed by this firm (mm/yy)	**Ongoing**	Cost of consultant services provided by this firm ($1,000's)	**$ 299**

ECM provided engineering design services for this $2.1 million bridge construction project. ECM engineers performed structural engineering design and prepared plans, specifications, and estimates (PS&E) for this project. West Metairie Road is a divided major road in Metairie, with two bridges at the Soniat Canal crossing. The bridge on the north side was removed and replaced by the parish earlier. This project consisted of replacing the south-side bridge on West Metairie Ave. The total length of the bridge is 100 ft., spanning on three equal spans of concrete superstructure. The width of the two-lane one-way bridge is 42 ft, which includes two 12' travel lanes, shoulders on both sides, and a 5' wide pedestrian lane.





The analysis and design of the bridge were performed in conformance with the AASHTO LRFD Bridge Design Standards and the requirements of the Louisiana LRFD Bridge Design Manual. The superstructure of the bridge consists of a reinforced concrete bridge deck supported by Quad Prestressed Concrete Beams. The reinforced concrete bents have been used to support the superstructure. The pile bents are supported by 18-inch-square prestressed concrete piles. Two abutments, one at each end, for the project are also pile-supported wall abutments. The structural analysis was performed by ECM's engineers for HL-93 Live Load, both Truck and tandem, as well as Louisiana Special Design vehicles using STAAD PRO's moving load generating feature. The bent was also analyzed using the STAAD PRO program. Structural Concrete Design was performed using both computer-assisted and manual design. The wind load on the structure, live loads, stream forces, braking forces, and bearing design calculations were performed manually to meet AASHTO criteria and design methods.

Firm members worked on this project and used in this proposal (Highlighted)
Sunina Shrestha, PE, PMP, Sudhir Mehta, PE, Neil Logan, PE

Firm name	URBAN SYSTEMS inc.	Discipline(s)*	Traffic
Project name	**1. Hooper Road Extension, Route LA Hwy 408 Stage 0 Feasibility Study** **2. LA 408 (Hooper Road): Widening (Sullivan Road to Greenwell Springs Road) Stage 0 Feasibility Study** **3. Stage 1 Environmental Assessment LA Hwy 408-Hooper Road Extension and Widening (LA 16- Sullivan Road)**	Firm responsibility (prime or sub?)	Sub
Project number	Various	Owner's name	LADOTD
Project location	East Baton Rouge and Livingston Parishes, LA	Owner's Project Manager	1.&3. Nicholas Olivier, P.E / 2. Connie Porter Betts
Owner's address, phone, email	Nicholas Olivier, P.E., (225.379.1133), Connie Porter Betts (225.379.1297), 1201 Capitol Access Road, Baton Rouge, LA 70802		
Services commenced by this firm (mm/yy)	05/2011	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	04/2014	Cost of consultant services provided by this firm ($1,000's)	1.$25 2.$131 3.$81.9

1. USI prepared a formal Traffic Study to assist with determining the extension project's feasibility.

2. USI prepared a formal Traffic Study to assist with examining the feasibility of widening LA Highway 408 (Hooper Road) from LA 3034 (Sullivan Road) to LA 37/64 (Greenwell Springs Road) in East Baton Rouge Parish.

3. Urban Systems prepared a formal Traffic Study to be included in the LADOTD Stage 1 Environmental Assessment. The project includes the widening of LA 408 (Hooper Road) between Sullivan Road and LA 37/64 (Greenwell Spring Road) in East Baton Rouge Parish and the extension of Hooper Road from its existing terminus at LA 37/64 across the Amite River to LA 16 in Livingston Parish.

Two (2) alignments of the extension were carried forward from the Stage 0. An additional southern alignment was added to the Environmental Assessment based on public and stakeholder input. Projected traffic volumes were taken from the Stage 0 Studies and were previously approved by LADOTD. The traffic volumes were rerouted based on specific intersection configurations.

Various intersection alternatives were developed and analyzed for each subject intersection, including signalization, grade separation, superstreets, and roundabouts. Urban Systems utilized capacity analysis results to determine recommended lane configurations and storage lengths. Due to the various types of intersection configurations, the following analysis software was utilized:

- Highway Capacity Software (HCS+) was used to analyze the ramp junctions.
- SIDRA was used for intersections with roundabout alternatives or both roundabout and signal alternatives
- Synchro was used to analyze signalized intersections, superstreet intersections, and SPUI alternatives. The U-turns' intersections for the J-turns were analyzed in Synchro as modified left turns based on DOTD's recommended guidelines for U-turn critical headway and follow-up headway values.
- VISSIM models were developed to evaluate each of the alternatives to determine expected operation, safety benefits, and cost estimates for traffic control.

Results of the traffic analysis and intersection geometry were utilized to determine which intersection alternatives were carried through to the full Environmental Assessment.

Team members included: Alison Catarella Michel, Matthew Morgan

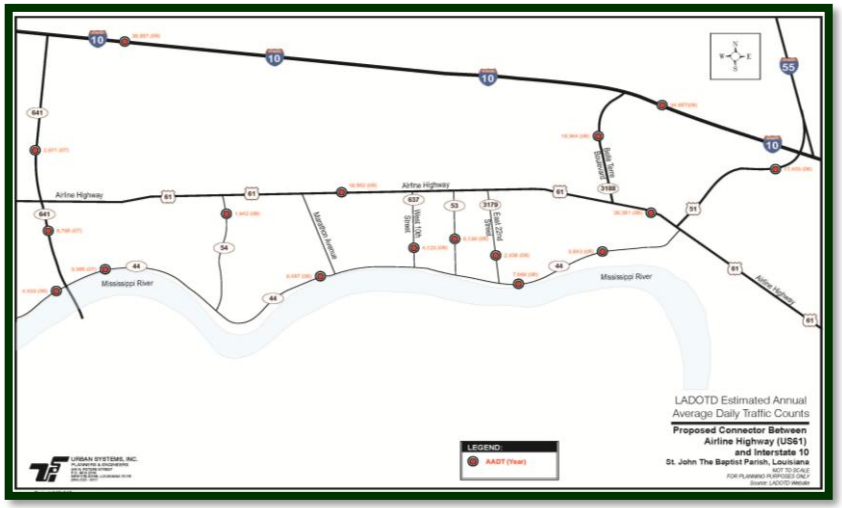
Firm name	URBAN SYSTEMS inc.	Discipline(s)*	Traffic
Project name	**Port of South LA Connector Environmental Impact Statement**	Firm responsibility (prime or sub?)	Sub
Project number	SP 70-48-0101 F.A.P. HP-TO21(517)	Owner's name	LADOTD
Project location	St. John the Baptist Parish, LA	Owner's Project Manager	Sarah Moss, P.E.
Owner's address, phone, email	1201 Capitol access Road, Baton Rouge, LA 70802, 228.279.1369, Sarah.moss@la.gov		
Services commenced by this firm (mm/yy)	02/2009	Total consultant contract cost ($1,000's)	Unknown
Services completed by this firm (mm/yy)	08/2015	Cost of consultant services provided by this firm ($1,000's)	$101.3

Urban Systems conducted a traffic study to assess the feasibility of a establishing a connection between US 61 (Airline Highway) and Interstate 10 in St. John the Baptist Parish, LA. The study identified the existing operational needs within the study area, estimated projected demand conditions, developed and analyzed potential improvements, including low-cost transportation systems management improvements, and compared proposed alternatives.

The corridors in the study included: US 61, LA 3188, and LA 641

Data Collection

An origin–destination postcard survey was conducted in St. John the Baptist Parish to determine how motorists get to/from I-10 and Reserve. The findings of the study were used to assess which proposed alignments meet the purpose and need for a connector between US 61 (Airline Highway) and Interstate 10 (I-10) within the study area. 24-hour traffic counts, with classification data, and turning movement counts were collected throughout the study area.



Traffic Assignments and Forecasting

The Regional Transportation Model was used to identify a growth rate to apply to the base-condition volumes to develop projected volumes for the 2038 No Build and 2038 Build scenarios. For each Build scenario, volumes were rerouted to account the proposed alignments.

Analysis

Capacity Analysis was conducted to evaluate the existing condition, no build, and build scenarios. Analysis was conducted using Highway Capacity Software for two-lane roadways, multi-lane roadways, signalized and unsignalized intersections. Sidra was used to evaluate a roundabout in one of the proposed alternatives.

In addition to evaluating levels of service, a preliminary safety review was conducted by evaluating collision data provided by LADOTD. Emergency response times were also compared with each respective alternative.

Team members included: Alison Catarella Michel, Nicole Stewart, Kim Pham

Firm name	URBAN SYSTEMS inc.	Discipline(s)*	Traffic
Project name	**I-10 Loyola Interchange Improvements**	Firm responsibility (prime or sub?)	Prime
Project number	H.011670.1	Owner's name	LADOTD
Project location	Jefferson Parish, LA	Owner's Project Manager	Tim Nickel
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802, 225.379.1065, timothy.nickel@la.gov		
Services commenced by this firm (mm/yy)	03/2016	Total consultant contract cost ($1,000's)	$1850
Services completed by this firm (mm/yy)	03/2020	Cost of consultant services provided by this firm ($1,000's)	$879

This project was to identify operational and safety improvements to the Loyola Interchange that would also support the new North Terminal at the Louis Armstrong International Airport in Kenner, Louisiana. It included both Stage 0 and Stage 1 based on VISSIM Modeling and coordination with multiple stakeholders. With LADOTD as the reviewing agency.

Phase 1 – Interchange Modification Report (IMR)

The objective was to analyze the existing roadway network and identify the best alternative to accommodate heavier traffic flow and minimize queuing onto the interstate. The Interchange Modification Report (IMR) traffic analysis was based on VISSIM simulations of the interchange and surrounding area. Calibration of the large-scale model was critical to ensuring that the alternative operation could be assessed. Safety analysis was also conducted to identify existing crash trends and conflict points.

Models were used to assess Design Year "No Build" conditions. Developing projected conditions volumes was complex, as it included incorporating multiple planned projects and estimating the re-routing of MSY entering and exiting trips. Alternatives were screened using a tiered approach to meet LADOTD and FWHA guidelines. The IMR documented the process and provided a comparative analysis of the alternatives based on operations, safety, costs, and environmental constraints.

Phase 2 – Environmental Assessment (EA)

In the second phase, USI led the project team in analyzing the environmental impacts of the proposed interchange alternatives in accordance with NEPA requirements. The team included seven (7) sub-consultants requiring close communication with the project team and meticulous organization. Community outreach included numerous Stakeholder Meetings, a Public Meeting, a Community Meeting, and a Public Hearing. USI organized, planned, advertised, and conducted the meetings with assistance from the various subconsultants. The EA documents were completed, and FHWA issued a Finding of No Significant Impact after only fifteen (15) months from receiving Notice to Proceed. This was a great success for the community and other stakeholders.

Firm members included: Alison Catarella-Michel, Nicole Stewart, Matthew Morgan, Christine Darrah

Firm name	**Emergent Method**		Discipline(s)*Other – Public Outreach and Agency Coordination	Environmental	
Project name	**DOTD Highway Priority Program**			Firm responsibility (prime or sub?)	Prime
Project number	4400033750	Owner's name	DOTD Office of the Secretary		
Project location	Baton Rouge, LA		Owner's Project Manager	Peggy Jo Paine	
Owner's address, phone, email	Peggy Jo Paine, 1201 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1200; Peggy.Paine@la.gov				
Services commenced by this firm (mm/yy)	09/25	Total consultant contract cost ($1,000's)		$149	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$122	

Emergent Method provides strategic communications, public outreach, graphic design, and program management support for the Louisiana DOTD Highway Priority Program. Our team has developed a comprehensive suite of communication materials to translate complex information on infrastructure, funding, and project scheduling into clear, accessible resources that support legislative approval, stakeholder engagement, and public understanding of the program. This included managing the copywriting, graphic design, and production of the official Highway Priority Program Guide, transforming technical and regulatory content into a polished, user-friendly publication. We have also developed presentation materials and strategic messaging for DOTD leadership during the legislative approval process, supported regional outreach efforts through coordination and communications collateral for the program's statewide road show, and created visually engaging one-pagers, infographics, and custom graphics to communicate program priorities, regional impacts, and funding allocations. In addition, we designed specialized communication tools and creative collateral to highlight critical infrastructure projects and reinforce the broader goals and value of the Highway Priority Program.

Firm name	**Emergent Method**		Discipline(s)*Other – Public Outreach and Agency Coordination	Planning	
Project name	**DOTD CURRENT Authority Support**			Firm responsibility (prime or sub?)	Prime
Project number	4400027092	Owner's name	DOTD Office of the Secretary		
Project location	Baton Rouge, LA		Owner's Project Manager	Peggy Jo Paine	
Owner's address, phone, email	Peggy Jo Paine, 1201 Capitol Access Road, Baton Rouge, LA 70802; (225) 379-1200; Peggy.Paine@la.gov				
Services commenced by this firm (mm/yy)	04/26	Total consultant contract cost ($1,000's)		$30	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		N/A	

During Louisiana's 2025 Regular Legislative Session, the Legislature established the CURRENT Authority and charged it with developing a statewide Master Plan. Emergent Method is supporting the newly formed CURRENT Authority Board by providing program management, strategic coordination, public information and outreach, stakeholder engagement, and strategic communications services to help launch the Authority and guide development of its inaugural Master Plan. Our team is assisting the Board in establishing foundational governance and operational processes, coordinating planning activities, and supporting strategic decision-making as the Authority begins its work. We are also developing and implementing a comprehensive public outreach strategy to build awareness of the Authority's mission, legislative mandate, and planning process across Louisiana, while leading stakeholder engagement efforts with state agencies, local governments, industry partners, community organizations, and the public to ensure broad participation and diverse perspectives inform the Master Plan. In addition, Emergent Method manages the Authority's communications program, including message development, press materials, public-facing content, presentations, and ongoing communications that promote transparency and maintain consistent engagement with stakeholders and the public throughout the planning process.

Firm name	**AECOM Technical Services, Inc.**	Discipline(s)*	Environmental, Planning, Bridge, Road, Traffic
Project name	**1-49 Lafayette Connector Supplemental EIS, CSS, Bridge/Structural Design**	Firm responsibility (prime or sub?)	Sub
Project number	H.004273	Owner's name	LADOTD
Project location	Lafayette, LA	Owner's Project Manager	Ryan Morvant, PE
Owner's address, phone, email	PO Box 94245, Baton Rouge, LA 70804-9245 Phone: 225.379.1110 Email: timothy.nickel@la.gov		
Services commenced by this firm (mm/yy)	2015	Total consultant contract cost ($1,000's)	$32,000
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$12,997

FIRM MEMBERS:
- Derek Chisholm
- Tom Hunter
- Jonathan McDowell
- Ken Butler
- Gary Maji
- Daniel Boyd
- Gregory Trahan
- Jonathan Vavassuer
- Shelley Hartsfield
- Tuna Tariover
- Tom Herzog

RELEVANCY:
- Project management & quality plan
- Alternatives evaluation
- Complex nepa studies and permitting services for seis
- Context sensitive solutions
- Public involvement & community advisory services
- Complex and signature bridge design
- Led railroad coordination

The 5.5-mile I-49 Lafayette Connector project is one of the largest undertaken by the DOTD with an estimated construction cost of $2.2 billion. The project improves US 90/US 167 corridor with a controlled access facility from I-10 to the Lafayette Regional Airport with improvements to the surface roads and the Evangeline Thruway. AECOM staff serve as members of the Lafayette Connector Partners (LCP) Project Management Team as task leaders for all structural design work, the environmental reevaluation and SEIS development, CSS planning and advisory services, public outreach, railroad coordination, and planning tasks including the development of a Cost and Schedule Risk Assessment (CSRA). Additionally, AECOM staff performed QC reviews of road design and participated in traffic operations and safety studies. AECOM was tasked to lead and prepare a supplemental EIS (one of the most complex in the State) and obtain approvals and permits and to cultivate agreement and support on the preferred alternative. AECOM authored the draft SEIS and has nearly completed the cultural resources, including a Section 106 consultation process, noise and air analysis, wetlands, T&E, other natural resource impact analyses, environmental justice, visual analysis, relocation planning, and railroad coordination. AECOM developed the 2022 TransComm Award-winning Virtual Reality Room as part of a Public Information Meeting Website to be able to hold a public informational meeting during COVID restrictions.

The AECOM-led bridge team evaluated three alternatives for the mainline viaduct and bridge over Vermilion River. AECOM developed a bridge evaluation scoring matrix that considered total costs, maintenance of traffic impacts, and bridge aesthetics criteria. Numerical criteria scoring and weighing factors were assigned as part of a quantitative approach to identifying a preferred structure. Total costs developed considered both initial construction and long-term maintenance costs. Signature feature bridge options were also considered. AECOM worked with the DOTD Railroad section to lead meetings and support coordination with Amtrak, BNSF Railroad, and L&D Railroad for the railroad crossings across the Evangeline Thruway, at the proposed East Kaliste Saloom Road interchange, and other railroad crossings identified in previous studies in downtown Lafayette. AECOM also supported the preparation of the concept engineering application for the grade separated crossing at the East Kaliste Saloom Road interchange.

Firm name	MB3 Inc., DBA Civix		Discipline(s)*	Right-of-Way	
Project name	Move Ascension Initiative – Right of Way Acquisition Services			Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	HNTB Corporation		
Project location	Ascension Parish		Owner's Project Manager	Clinton "Rick" Hathaway	
Owner's address, phone, email	450 Laurel Street, Suite 1200, Baton Rouge, LA 70801 ; (504) 872-3005 ; rhathaway@HNTB.com				
Services commenced by this firm (mm/yy)	10/17	Total consultant contract cost ($1,000's)		$2.5	
Services completed by this firm (mm/yy)	Present	Cost of consultant services provided by this firm ($1,000's)		$750	

The Move Ascension Initiative is a $35 million transportation infrastructure improvement program designed to safely move traffic within Ascension Parish by designing and constructing roadway improvement projects identified during the Master Transportation Planning Development phase. Ascension Parish Government selected HNTB Corporation (HNTB) as the Program Manager to lead the development and implementation of the Move Ascension Initiative. As a subcontractor to HNTB, Civix developed the Ascension Parish Right-of-Way Acquisition Implementation Plan in compliance with state and federal policies. The Plan provides procedural guidance for right-of-way acquisition and relocation; includes forms and templates that can be used throughout the acquisition life cycle; and is essential for uniformity and consistency in right-of-way acquisition and relocation activities. Civix oversees all project relocations and prepared preliminary relocation plans for several of the Move Ascension Projects. To date, Civix has successfully completed acquisitions and relocations for 12 Move Ascension projects including roadway widening, roundabouts, and connector roads, and is currently providing acquisition services for five additional projects. Our approach to accelerating projects through innovation and the use of GIS enterprise solutions is an added advantage. Civix's GIS team implemented a pilot project in ArcGIS Pro for one of the completed Move Ascension projects. The GIS solution incorporates the final project right-of-way drawings and provides parcel-level data, ownership and recordation information, and final acquisition status. A copy of the final closing documents recorded in the Clerk of Court conveyance records in Ascension Parish is accessible by parcel. Team members involved include Hubert Graves.

18. Approach and Methodology:

Work Category A: NEPA Class-of-Action Development and Documentation

ELOS process will start by reviewing the project description, purpose, and need, preliminary engineering, and identifying a probable class of action under 23 CFR § 771.115, and recommend Categorical Exclusion (CE), Environmental Assessment (EA), or Environmental Impact Statement (EIS) designation. ELOS will ensure compliance with the NEPA in accordance with the government-wide NEPA Procedures published on May 1, 2024. ELOS will draft the Solicitation of Views (SOV) letters, per DOTD Stage 1 Manual § 5.3.2, to document each project's scope and potential environmental impacts. ELOS will collect baseline environmental data and analyze potential impacts in consultation with local, state, and federal agencies, ensuring the evaluation of the project's effects on the environment, project site, and stakeholders. The goal is to identify methods that minimize adverse impacts. When necessary, additional specialized surveys for cultural resources or threatened and endangered species will be conducted to better define the project area and inform mitigation strategies that balance development with resource preservation. Our team will conduct thorough environmental evaluations, including endangered species surveys and acoustic identification of eastern bat species (Northern Long-Eared Bat, Little Brown Bat, and Tricolored Bat), to assess and address any potential impacts on protected species. The cultural resources team will conduct a Section 106 Desktop Review to assess the potential impacts of proposed actions and decisions for any permitted project that involves historic properties or cultural resources listed on, or eligible for listing on, the National Register of Historic Places (NRHP). ELOS' team will identify the project's purpose and need, as well as the range of reasonable alternatives to be considered. ELOS will coordinate all required public review and comment periods, develop mitigation strategies, and prepare detailed documentation to ensure that all potential environmental impacts—including those affecting endangered species—are appropriately addressed in accordance with NEPA requirements. ELOS NEPA process covers compliance with federal and state regulations, including Historic Preservation, Floodplain Management, Wetland Protection, the Coastal Zone Management Act, Essential Fish Habitat, the Endangered Species Act, Sole Source Aquifers, the Wild and Scenic Rivers Act, Air Quality, Farmlands Protection, Noise Control and Abatement, Explosive and Flammable Operations, Airport Hazards, Contamination and Toxic Substances, Environmental Justice, the Coastal Barrier Resource Act, Flood Insurance, and other housing and zoning requirements.

Work Category B – Resource Specific Technical Analyses

Wetland Delineation: ELOS specializes in wetland delineations and jurisdictional determinations to help clients understand how regulatory frameworks may affect their projects. Our wetland delineation services involve thorough field surveys conducted in accordance with the U.S. Army Corps of Engineers (USACE) 1987 Wetland Delineation Manual (Wetlands Research Program Technical Report Y-87-1) and the USACE's "Regional Supplement to the USACE of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region (Version 2.0)" (ERDC/EL TR-10-20) to accurately identify and delineate wetlands within the project area. This process includes assessing wetland boundaries, hydrology, vegetation, and soil types to determine the jurisdictional status of any wetlands present. With a thorough wetland assessment, ELOS can advise clients on how to avoid or minimize regulatory involvement once the jurisdictional footprint is established. Our team has experience in wetland field data collection and delineation, and excels at accurately identifying and mapping wetlands in both typical and challenging terrain. ELOS is highly experienced in creating, establishing, monitoring, and managing mitigation banks for various species. Our services include developing banking agreements and instruments, managing the eradication of non-native species, providing initial planning and planting, and developing and implementing monitoring plans. We have also managed conservation servitudes and wetland assimilation projects requiring quarterly and annual monitoring and reporting. Our methodology includes preparing a comprehensive Wetland Delineation Report that uses the latest FHWA criteria and, where applicable, LADOTD reporting standards. The report documents all findings and evaluates potential impacts to wetlands within the project footprint. If unavoidable impacts are identified, we will propose mitigation strategies—such as wetland restoration or compensatory mitigation—to ensure regulatory compliance and minimize ecological impacts.

Environmental Permitting: ELOS will identify and obtain all necessary permits in accordance with federal, state, and local regulations. Many of our assessments and specialized surveys have supported the environmental permitting process with the USACE, state LDEQ, SHPO, and other regulatory agencies. We have worked with these agencies to simultaneously manage public hearings and comment periods, achieve consensus on construction activities, develop innovative mitigation alternatives, and efficiently advance projects through every approval phase. ELOS will prepare pre-application materials and a scope of work for discussion with the lead agency to initiate the permitting process. This required meeting is used to agree on a scope of work and approach before beginning the full permit

application. The meeting also outlines which technical review levels may be required, how communication will be facilitated during reviews, and what additional analyses or documentation may be needed. ELOS thoroughly assesses each project's scope to determine which permits are required. Our team prepares and submits permit applications to the relevant agencies, coordinates with regulatory bodies to address comments and concerns, and ensures that the project complies with all permit conditions and environmental mitigation measures. ELOS has coordinated with agencies to secure Stormwater Pollution Prevention Plan (SWPPP) Construction Permits; State Water Bottoms Permits; After-the-Fact Permits; Joint Permit Applications; Levee Permits; Coastal Use Permits (CUP); wetland permits (Section 404 and Nationwide), Section 10 Permits, and Section 408 Permits; Water Quality Certifications; bridge permits; levee permits, and Scenic Rivers Permits.

Threatened & Endangered Species Survey: ELOS understands the principles that guide the evaluations of habitat quality, biological performance, species of concern, critical habitat, and mitigation bank performance, and works well with the agencies that review those assessments. Our field biologists specialize in ground-level data collection in difficult environments and the reasonable interpretation of that data in well-formulated reports. For habitat restoration projects, success will depend on the field assessment of the biological improvements and the degree to which they are achieved. ELOS has conducted biological assessments to evaluate the potential impacts of the proposed project on species protected by the Endangered Species Act, the Migratory Bird Treaty Act (MBTA), the Bald and Golden Eagle Protection Act (BGEPA), the Marine Mammal Protection Act (MMPA), and other relevant laws and regulations governing species unique to the area. ELOS stays ahead of species trends, recognizing when certain species may be expected to enter protected status, and ensuring biologists have the required credentials to conduct specialized surveys for those species. For example, when the tri-colored bat was approaching protected status, an ELOS employee completed certifications to be able to identify the bat's nesting areas and acoustic calls. ELOS has experience conducting surveys for various species and creating monitoring plans. We have performed these types of surveys on land, in water, and in wetland and coastal areas.

Cultural and Historic Resources: ELOS Cultural Resources Division, staffed by 36 CFR 61 archaeologists who are RPAs also qualified under the SOI, an experienced SOI-architectural historian, and a highly trained field technician, supports projects from early planning and feasibility through construction and post-construction compliance. ELOS offers a full range of cultural resource management services, including terrestrial and maritime archaeology, historic structure evaluation, cultural landscape assessments, and artifact recovery. Our team regularly conducts cultural resource surveys (Phases I, II, and III), environmental impact studies, Section 106 reviews, and historic structure evaluations—including NRHP nominations. Using advanced technologies, including ground-penetrating radar, drone imaging, Geographic Information System (GIS) mapping, and 3D photogrammetry, ELOS can efficiently and accurately document cultural resources while minimizing impacts to sensitive sites. ELOS also has experience drafting Memoranda of Agreement (MOA) and Programmatic Agreements (PA). ELOS has managed complex, federally funded projects for infrastructure development, environmental restoration, disaster recovery, and community revitalization. During these projects, ELOS has ensured full compliance with all applicable federal, state, and local cultural resource regulations. ELOS will help guide through the complex rules and regulations surrounding cultural resources to fulfill legal obligations and proceed with project activities. For Section 106 Cultural Resources compliance, our Archaeologists will conduct a thorough review to evaluate potential impacts to historic properties and cultural resources under the NHPA.

Section 4 Certification: Section 4(f) protects significant publicly owned parks, recreation areas, and wildlife and waterfowl refuges, as well as significant historic sites, whether publicly or privately owned. ELOS will comply with Section 4(f) requirements by considering Section 4(f) before the NEPA process begins; scoping potential Section 4(f) issues; identifying and evaluate Section 4(f) properties; making determinations of de minimis impact; determining whether there is a "use" of Section 4(f) properties; developing avoidance alternatives under "feasible/prudent" standard; choosing among alternatives that use Section 4(f) properties; incorporating "all possible planning" to minimize harm; using Section 4(f) programmatic evaluations; coordinating with other agencies and stakeholders; and documenting Section 4(f) analysis and conclusions.

Noise Analysis: ELOS' team will approach highway noise modeling as an integrated, defensible assessment that combines robust baseline characterization with advanced prediction tools to quantify potential impacts and inform practical mitigation. For many years, the ELOS team has provided environmental services, including noise and air modeling and reporting to the DOTD, while representing DOTD projects in discussions of complex technical matters with FHWA reviewers.

We use sophisticated modeling and analysis techniques to predict roadway noise effects at sensitive receptors, test design and operational scenarios, and develop tailored noise control solutions that support regulatory compliance and community outcomes. ELOS is familiar with the required Type I noise analyses (23 CFR Part 772), many versions of the FHWA Traffic Noise Model, and the specifics of the DOTD noise policy and process. ELOS will conduct Type I noise analyses in accordance with 23 CFR Part 772 using the FHWA Traffic Noise Model (TNM). This includes modeling existing and future traffic noise levels for proposed highway projects or significant alterations to existing highways.

Air Quality Analysis: ELOS' team will prepare project-level air quality conformity determinations and hot-spot analyses in compliance with 40 CFR Part 93. This involves assessing the project's impact on National Ambient Air Quality Standards (NAAQS) for carbon monoxide (CO), particulate matter (PM10 and PM2.5), and other criteria pollutants as necessary. ELOS will conduct both qualitative and, if required, quantitative screening analyses for Mobile Source Air Toxics (MSAT) in accordance with current FHWA guidance. This includes identifying, evaluating, and documenting potential MSAT impacts for the project. ELOS will perform greenhouse gas emission analyses utilizing current FHWA methodologies and guidance, quantifying project-related emissions and discussing potential impacts. ELOS will evaluate the project's climate resilience and adaptation measures. This includes assessing potential climate-related risks (such as increased frequency of extreme weather events) and recommending design features or operational strategies to enhance the project's long-term resilience to climate change.

Hazardous Materials: ELOS conducts a review of environmental databases and historical documents, including maps, aerial imagery, city directories, and Sanborn insurance maps (if any exist for the area surrounding the subject property), to determine whether current or past uses indicate potential for a recognized environmental condition (REC). ELOS conducts site visits to investigate the subject property, observing current and past uses and conditions, wherever apparent, to indicate the likelihood of RECs. ELOS then photographs selected features, uses, and conditions, and includes them in the report. If RECs or areas of potential contamination are present, ELOS has experience installing soil and water monitoring wells, sampling wells, and analyzing data to determine the best remediation course of action in accordance with state and federal standards.

Work Category C – Public Involvement and Agency Coordination

ELOS is committed to managing agency coordination, upholding compliance with all federal (USACE, USFWS, NMFS, EPA, NPS, USCG, FEMA), state (LDEQ, LDWF, LDNR/OCM, SHPO, LA OSP), and local (Metropolitan Planning Organization, Regional Planning Commission, parish and municipal governments, and local floodplain administrators) regulations, as well as meeting client-specific requirements, throughout every phase of the project. ELOS will provide agency coordination, including, but not limited to, preparing and facilitating approval of the environmental assessment or individual review topics within the assessment, and submitting follow-up documentation to further explain items contained in the environmental assessment. Coordination will include prior approval and DOTD input.

Work Category D – NEPA Process Management and Specialty Services

Mitigation Bank Management and Administration: For planning purposes, ELOS will perform Louisiana Rapid Assessment Method (LRAM) calculations to estimate the mitigation obligation that might result from the proposed work and will complete a proposed LRAM worksheet to provide the DOTD with an estimate of the compensatory mitigation required for the project. ELOS will review the USACE's Regulatory In-Lieu and Bank Information Tracking System (RIBITS) to determine which active mitigation banks are most appropriate for the proposed work. ELOS will estimate the cost of purchasing sufficient credits to offset unavoidable wetland impacts caused by the proposed work. ELOS will serve as the point of contact between regulatory agencies in the Interagency Review Team (IRT), bank sponsors, and other interested parties for bank sales, receiving calls from potential purchasers, drafting and executing purchase agreements, and drafting and issuing purchase receipts for permit documentation. ELOS will maintain a current record of credits released and sold both separately and within the RIBITS database. ELOS will negotiate with potential large purchasers to reach a mutually beneficial price for the bank and the purchaser. ELOS will receive, transfer, and/or deposit funds on behalf of the bank and credit purchasers. ELOS will work to increase market visibility for credits held in the bank ledger. If suitable mitigation options or mitigation banks are unavailable to DOTD, ELOS will identify and coordinate alternative mitigation efforts in collaboration with DOTD, which may include developing individual mitigation projects. ELOS will support DOTD's obligation under § 771.109(b) to implement committed mitigation measures. ELOS will update,

modify, or revise permitting and environmental materials, manuals, templates, schedules, and operating procedures at DOTD's direction. ELOS will also provide specialty reviews of draft environmental and technical documents to ensure accuracy and compliance.

Work Category E – Alternatives Development and Engineering-to-Environmental Integration

ELOS' team will emphasize early coordination, iterative evaluation, and data-driven decision-making to reduce project risk while maintaining schedule and regulatory compliance. ELOS will begin with a review of available project information, including transportation planning studies, previous environmental documents, feasibility studies, GIS databases, roadway inventories, crash histories, and existing engineering information. We will work closely with DOTD to develop a defensible Purpose and Need Statement that clearly identifies transportation deficiencies while remaining consistent with FHWA guidance and DOTD policy. Supporting documentation will include capacity deficiencies, safety performance, infrastructure condition, connectivity and mobility needs, freight movement, legislative or funding requirements, community concerns, and existing planning studies. The engineers will prepare conceptual layouts for each alternative, including horizontal alignments, vertical profiles, typical roadway sections, bridge concepts, intersection layouts, drainage concepts, maintenance of traffic concepts, utility conflict review, and preliminary right-of-way limits. The design assumptions will follow current DOTD and the AASHTO criteria while allowing flexibility for Context Sensitive Solutions where appropriate. ELOS' team will integrate the environmental findings directly into the conceptual engineering and will simultaneously evaluate each alternative using GIS, field reconnaissance, and available agency databases to conduct an environmental constraint analysis. The constraint mapping will include waters of the U.S., wetlands, floodplains, T&E species habitat, historic properties, Section 4(f) resources, Section 6(f) properties, hazardous materials sites, Environmental Justice communities, coastal resources, existing permits, and community facilities. ELOS' team will then evaluate the alternatives using a quantitative screening matrix based upon transportation effectiveness, engineering feasibility, environmental impacts, community impacts, right-of-way requirements, utility conflicts, construction complexity, maintenance of traffic, cost, and permits. Alternatives that fail to satisfy the Purpose and Need or exhibit unacceptable impacts will be documented, with supporting technical rationale, and provided to the DOTD for review. ELOS' team will provide a planning-level cost estimate for each alternative, which will also be documented for comparison among alternatives. Using engineering analyses, environmental findings, agency coordination, and public input, our team will identify the Preferred Alternative through a documented evaluation process. Previously completed planning studies will be evaluated for incorporation into the NEPA process in accordance with 23 U.S.C. §168.

Work Category F – Traffic Analyses

The traffic analyses will inform project needs, shape alternatives, and guide technical studies (air, noise, safety, etc.). All work will follow FHWA, AASHTO, HCM, HSM, MUTCD, and DOTD standards and will be coordinated with the DOTD Traffic Engineering Section. ELOS' team will start by collecting traffic counts (including ATR, turning movements, pedestrians, and bicycles) and DOTD and MPO traffic data, and crash histories (minimum of 5 years). ELOS' team will analyze traffic operations and capacity, including queuing, turn-lane warrants, signal warrants, and interchange operations. ELOS will also analyze crash frequency, severity, and rates using at least five years of data. We will conduct benefit-cost analyses for safety measures and provide traffic data for noise, air quality, greenhouse gas, and community impact studies. Finally, ELOS will prepare a technical traffic report or EA/EIS chapters (within required page limits).

Work Category G – Pre-NEPA, Feasibility, and General Environmental Services

ELOS's team will research, gather data, conduct preliminary environmental surveys, preliminary analyses, outreach, and environmental screenings to determine early environmental or permitting issues for proposed projects or activities or within proposed study areas. ELOS will provide summaries, reports, checklists, technical memorandums, and similar documentation to support these activities, which will be submitted to DOTD in an electronic format.

Work Category H – Non-Federal Aid Project Delivery

ELOS will perform all environmental services necessary to obtain approvals, permits, or funding for the activity or project delivery. ELOS will coordinate with the appropriate agencies and entities to obtain the information and data required to complete the processes. ELOS will be responsible for all required outreach, technical reports, analyses, notices, materials, and documentation, including compliance with the NEPA process and with the lead Federal agency's requirements.

19. Workload:

Firm(s) **ALL FIRMS** MUST BE REPRESENTED IN THIS TABLE	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
	Environmental	44-0019337 / H.014245	LA-119 Bayou Pierre and Creek Bridges	$15
		44-0019337 / H.014247	LA-399 Creeks, Little 6 Mile Creek, Flat Branch	$26
		44-0019337 / H.014248	LA-124 Creeks, Broke Leg Bayou, Boggy Bayou	$123
		44-0019337 / H.014248.5	LA-124 On Site Detours - Supplemental Task Order	$238
		44-0027734 / H.014362	Lake Road in St. Tammany Parish	$22,433
		44-0025041 / H.015430	Hood Rd, Middle Colyell Creek - IIJA Off-System Bridges	$53
		44-0025041 / H.015431	Sawmill Rd, Unnamed Creek - IIJA Off-System Bridges	$17
		44-0021326 / H010074.1	DOTD Stage 0 IDIQ-LA 3089 Serve Rd/LA 70 Up	$2,760
		44-00024189/H.015911	Grover Jones over Williams Creek	$196
		44-00024189/H.016276.5	Sidney Lablanc Road over Coulee	$452
		44-00024189/H.014059	US 80: Bridges Near Minden	$2,764
		44-00031920/H.008069.5	Peters Road Bridge and Extension	$4,115
		44-0025041 / H.015432	M. Williams over Spring Creek	$25
		44-0025041 / H.015433	George Jenkins Road Over Berry's Creek	$154
		44-0025041 / H.015434	Mitch Road Over Peters Creek	$90
	CE&I/OV	Contract#4400031761 H.011781.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 *(LA675 & LA 87 IMP, in New iberia*	$892,218
		Contract # 4400031761 H.015823.6	IDIQ CE&I Inspection Services Statewide with Majority of Work in District 03 (US90 LA 83—LA85)	$2,060,801
		Contract# 4400021680 H.008145.6	DOTD LA1 Leeville to Golden Meadow	$952,555
		Contract# 4400023838 Task Order 3, H013719.6	IDIQ CE&I Services for Safety Projects US 61 @1-10EB off Ramp Ped IMPR (NO) Route:61	$48,950
		Contract# 4400023838 Task Order 4, H014629	IDIQ CE&I Services for Safety Projects - Lafourche Parish signing and striping	$129,804
		Contract# 4400023838 Task Order 5, H013722.6	IDIQ CE&I Services for Safety Projects - Morgan City Sidewalks - downtown & Myrtle St Mary Parish	$107,306
		Contract# 4400025845 H.013025.6	CE&I Engineering & Inspection Univ AV PH1:100' S RR-500' S I-10 EB RMP	$474.853
		Contract#4400027364 H.003184.6	IDIQ CE&I Services District 07 *(TX State Line-E. of Coone Gully)*	$703,112
		Contract#4400027364 H.015880-6	US 90 LA 397 Jefferson Davis P/L Route : US 90 Calcasieu Parish (Lake Charles to Iowa)	$319,088

		Contract# 4400030092 H.013968.6	IDIQ CE&I and Staff Augmentation Dist. 61 *(LA 404: Bayou And Canal Bridges)*	$894,305
		Contract# 4400030092 H015549-6	*IDIQ CE&I and Staff Augmentation Dist. 61 Chaney Rd and Milldale Rd Bridges*	$415,291
		Contract # 4400032521 H.008220.6	IDIQ CE&I LA 406 Roundabout at FE Hebert Route: LA 406	$929,207
		Contract # 4400032522 H016762.6	IDIQ Contract for CE&I for safety projects Dist. 3,7,8 Sidewalks (Oberlin)	$61,144
URBAN SYSTEMS inc. USI	Traffic	No. H011221.5, H.011222.5; No.4400022581	I-10: N.O. CBD3 (Poydras- Louisa) & I-10:N.O CBD4 (Louisa – I-510)	$71,772
		No.4400024185, No.H.016046.5	US 190: Atchafalaya R @ K'Sprngs Repairs	$5,946
		No.4400026585, No. H.006226.5	Pointe-a-La-Hache Ferry Landing Replacement	$5,000
		No.4400024185, No.H.016046.5	LA 182 Charenton Bridge Rehab	$47,316
em	Planning	4400027092	CURRENT Authority Support	N/A
	Other (Public Outreach)	4400033750	Highway Priority Program Outreach and Engagement	N/A
AECOM	Bridge	44-21593; H.009859.5	TO#1 Bridge Load Rating Services	$140,545
	Bridge	44-23921	Bridge Preservation IDIQ	N/A
	Bridge	H.015603.5	LA 641 Bridge Load Rating Services	N/A
	Bridge	H.013832	LA 6 Grand Ecore	$13,752
	Bridge	H.001970.5	LA 561 over Boeuf River	$363,853
	Bridge	H.015519	Smith Road over Red Chute Bayou	$7,555
	Bridge	H.011993	LA 10 Bayou Carron	$1,489
	Road	H.016315	LA 463: Drain Bridge	$18,787
	Road	H.016323	LA 37: Glass Branch Bridge	$38.838
	Road	H.016324	LA 1047: Drain Bridge	$51,127

	Road	H.016326	LA 36: Drain Bridge	$36,846
	Road	44-04128; H.004273.5	I-49 Connector	N/A
	Planning	44-04128; H.004273.5	I-49 Connector, Tasks 1, 5, 6, 12	$500,935
	Traffic	44-04128; H.004273.5	I-49 Connector, Task 2	$34,207
	Road	44-04128; H.004273.5	I-49 Connector, Task 4	$14,923
	Bridge	44-04128; H.004273.5	I-49 Connector, Task 8	$54,070
	Environmental	44-04128; H.004273.5	I-49 Connector, Task 10	N/A
	Environmental	44-04128; H.004273.5	I-49 Connector, Task 210	$191,460
	Bridge	44-04128; H.004273.5	I-49 Connector, Task 301	N/A
	Bridge	44-04128; H.004273.5	I-49 Connector, Task 302	$95,000
	Bridge	44-04128; H.004273.5	I-49 Connector, Task 408	$114,140
	Bridge	44-21513	Movable Bridge IDIQ	N/A
	Bridge	H.011969.5 – Ted Hickey	Contract 1 for Movable Bridges (LA 1264)	$394,871
	Bridge	H.012044.5 – Grand Lake	Contract 1 for Movable Bridges (LA 384)	$358,064
	Bridge	H.011988.5 – Duperier	Contract 1 for Movable Bridges (LA 86)	$404,955
	Bridge	H.011973.5 - Dularge	Contract 1 for Movable Bridges (LA 315)	$412,905
	Bridge	H.012737.5- Bayou Bonfouca	Contract 1 for Movable Bridges (LA 433)	$373,130
	Bridge	H.000445	US 190: UPRR Overpass near Opelousas	$503,514
	Road	H.000445	US 190: UPRR Overpass near Opelousas	$461,942
	Traffic	H.000445	US 190: UPRR Overpass near Opelousas	$240,000
	Bridge	44-29684	In-Depth Bridge Inspection IDIQ	N/A
	Bridge	H.009730.5	In-Depth Bridge Inspection- TO# 1	$556,450
	Bridge	H.009730.5	In-Depth Bridge Inspection- TO# 2	$1,568,389
	Bridge	H.009730.5	In-Depth Bridge Inspection – TO#3	$954,288
CIVIX	N/A	N/A	N/A	N/A

20. Certifications/Licenses:

U.S. Department of Transportation
Federal Highway Administration

National Highway Institute

NHI
NATIONAL HIGHWAY INSTITUTE

Certificate of Training

Lucas Watkins

has participated in

FHWA - NHI Course No. 142005
NEPA and the Transportation Decision-making Process (3 Days)

hosted by

LA DOTD/LTRC

Date: **December 8-10, 2015** ***Hours of Instruction:*** **18**
Location: **Baton Rouge, LA**

Instructor

Allison H. Landry
Local Coordinator

Brennan Collier
Instructor

Valerie Briggs
Valerie Briggs, Director
National Highway Institute

Certificate of Completion

TEXAS A&M SYSTEM

This is to certify that

Lucas Watkins

has completed the

40 USCOE Hour Wetland Delineation Certification Course

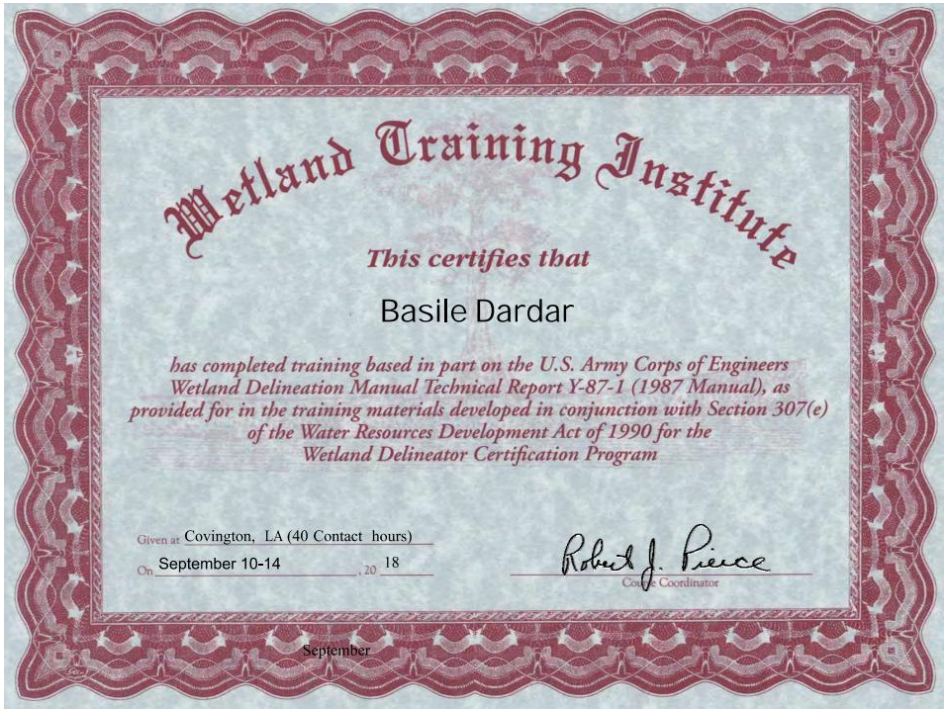
John S. Jacob, Ph.D.
Environmental Quality Specialist
Course
Instructor

October 26, 2007
Date Completed

Texas Cooperative EXTENSION
The Texas A&M University System

TEXAS COASTAL WATERSHED PROGRAM

Sea Grant Texas



Wetland Training Institute

This certifies that

Basile Dardar

has completed training based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program

Given at Covington, LA (40 Contact hours)

On September 10-14, 20 18

Robert J. Pierce
Course Coordinator

September

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Basile Dardar
has attended
Traffic Control Technician-LA State Specific
Training Course

11/29/2022 to 11/29/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

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

ATSSA American Traffic Safety Services Association ATSSA.com

THIS CERTIFICATE IS PRESENTED TO

Basile Dardar

For their attendance at the
Bat Acoustic Identification Workshops:

Online September 5-6, 2024

Echo 101/ Best Practices
The Acoustic ID of Eastern Bats

PRESENTED BY VESPER BAT DETECTION SERVICES

September 11,2024

CERTIFICATE OF COMPLETION

Successfully Navigating Section 106 Review: An Orientation for Applicants

Julian Blaine

July 8, 2026

Advisory Council on Historic Preservation

THE

Register of Professional Archaeologists

Certifies that

Julian Blaine, MA, RPA

Has met all professional requirements
and has been accredited as a

REGISTERED PROFESSIONAL ARCHAEOLOGIST

Lisa Westwood, President

October 21, 2024

Date

CERTIFICATE OF COMPLETION

Successfully Navigating Section 106 Review: An Orientation for Applicants

Sarah Knauer

April 1, 2026

Advisory Council on Historic Preservation

CERTIFICATE OF COMPLETION

Successfully Navigating Section 106 Review: An Orientation for Applicants

Jacob O'Neal

March 31, 2026

Advisory Council on Historic Preservation

Louisiana SECRETARY OF STATE
NANCY LANDRY

://www.sos.la.gov/Pages/default.aspx) Search for Louisiana Business Filings

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
ELOS ENVIRONMENTAL, LLC	Limited Liability Company (Non-Louisiana)	WILMINGTON	Active

Previous Names

Business: ELOS ENVIRONMENTAL, LLC
Charter Number: 45643772Q
Registration Date: 10/19/2023

Domicile Address
1209 ORANGE STREET
WILMINGTON, DE 19801

Mailing Address
607 W MORRIS AVE
HAMMOND, LA 70403

Principal Business Office
607 W MORRIS AVE
HAMMOND, LA 70403

Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

Principal Business Establishment in Louisiana
607 W MORRIS AVE
HAMMOND, LA 70403

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 10/19/2023
Last Report Filed: 9/19/2025
Type: Limited Liability Company (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:	10/19/2023

Officer(s) **Additional Office**

Officer:	DIRK APPLEGATE
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403
Officer:	LUCAS WATKINS
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403
Officer:	JAY PRATHER
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403
Officer:	KEFALARI MASON
Title:	Manager
Address 1:	607 W MORRIS AVE
City, State, Zip:	HAMMOND, LA 70403

Certifications:
Sunina Shrestha, P.E., PMP

ECM

Certifications:
John Foley P.E.

ATSSA American Traffic Safety Services Association

This is to affirm that

John Foley

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 6/1/2024 — ATSSA *Instructor Name*

Exp. Date 5/31/2028 — *Instructor Signature*

State Issued Louisiana

A1000208228 — Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

John Foley
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

8/18/2023 to 8/18/2027
Training Valid Through

CEU: 0.75

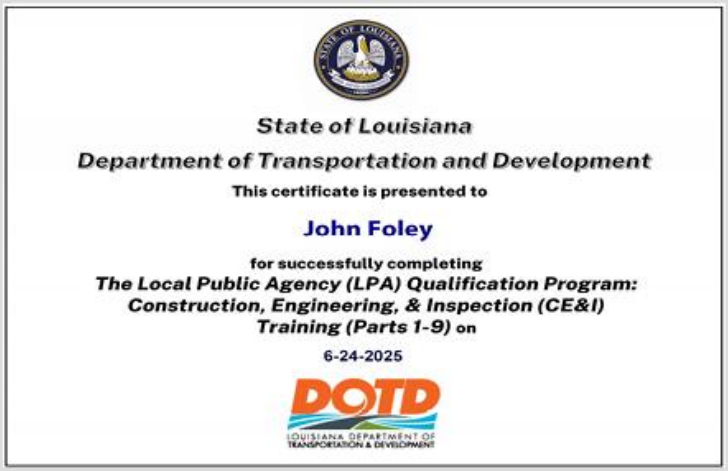
Vice President of Education and Technical Training

New Orleans, LA
Location

President, CEO

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

American Traffic Safety Services Association ATSSA.com



State of Louisiana

Department of Transportation and Development

This certificate is presented to

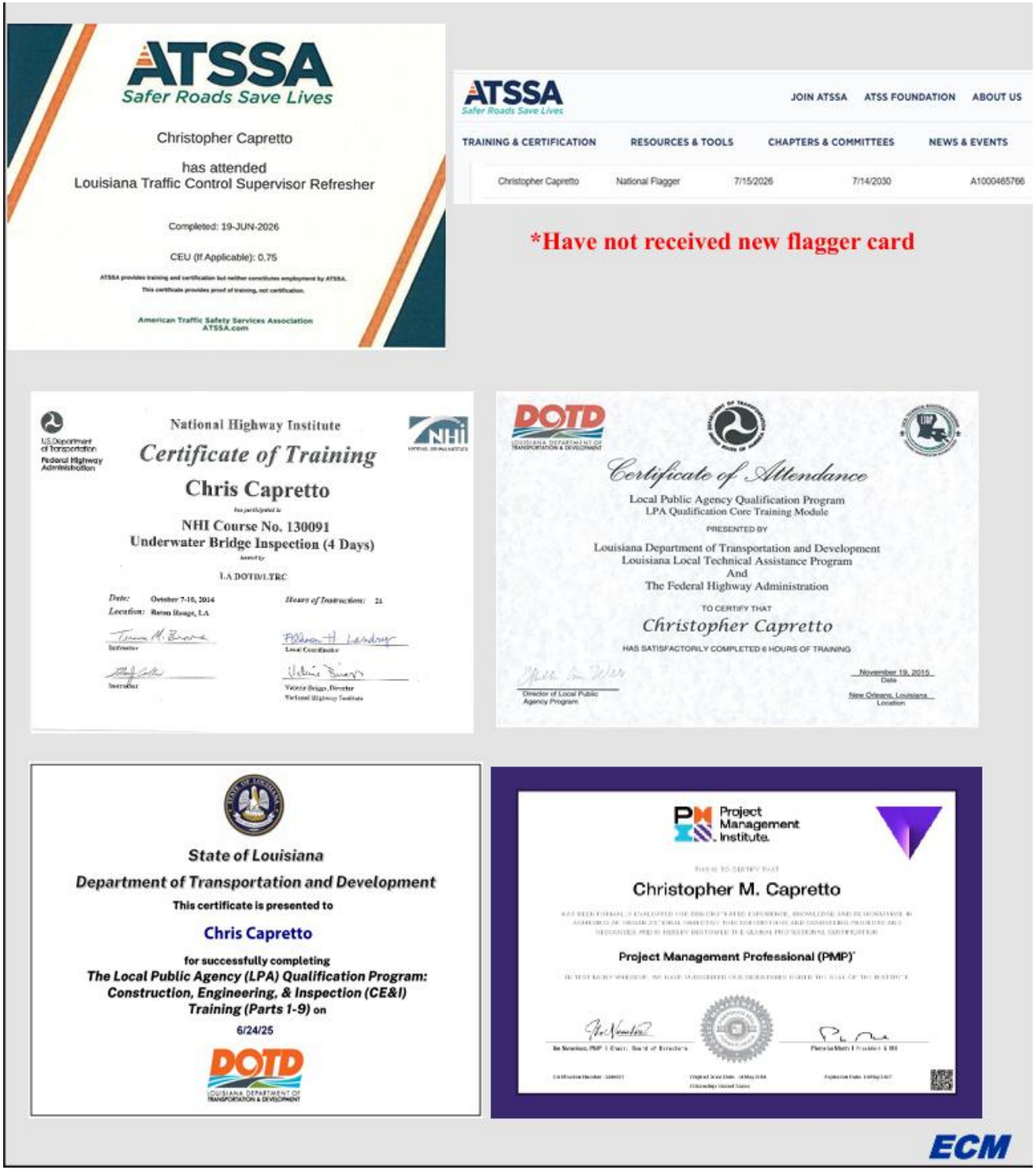
John Foley

for successfully completing
The Local Public Agency (LPA) Qualification Program: Construction, Engineering, & Inspection (CE&I) Training (Parts 1-9) **on**

6-24-2025

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ECM


ATSSA
Safer Roads Save Lives
Christopher Capretto
has attended
Louisiana Traffic Control Supervisor Refresher
Completed: 19-JUN-2026
CEU (If Applicable): 0.75
ATSSA provides training and certification but neither constitutes employment by ATSSA.
This certificate provides proof of training, not certification.
American Traffic Safety Services Association
ATSSA.com
ATSSA
Safer Roads Save Lives
JOIN ATSSA
ATSS FOUNDATION
ABOUT US
TRAINING & CERTIFICATION
RESOURCES & TOOLS
CHAPTERS & COMMITTEES
NEWS & EVENTS
Christopher Capretto
National Flagger
7/15/2026
7/14/2030
A1000465766
*Have not received new flagger card
National Highway Institute
Certificate of Training
Chris Capretto
NHI Course No. 130091
Underwater Bridge Inspection (4 Days)
LA DOTD/LTRC
Date: October 7-10, 2014
Hours of Instruction: 21
Location: Baton Rouge, LA
DOTD
Certificate of Attendance
Local Public Agency Qualification Program
LPA Qualification Core Training Module
PRESENTED BY
Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration
TO CERTIFY THAT
Christopher Capretto
HAS SATISFACTORILY COMPLETED 6 HOURS OF TRAINING
November 19, 2015
Date
New Orleans, Louisiana
Location
Director of Local Public Agency Program
State of Louisiana
Department of Transportation and Development
This certificate is presented to
Chris Capretto
for successfully completing
The Local Public Agency (LPA) Qualification Program:
Construction, Engineering, & Inspection (CE&I)
Training (Parts 1-9) on
6/24/25
DOTD
Project Management Institute.
Christopher M. Capretto
Project Management Professional (PMP)
ECM

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
ECM CONSULTANTS, LLC	Limited Liability Company (Non-Louisiana)	DOVER	Active

Previous Names

Business: ECM CONSULTANTS, LLC
Charter Number: 47022374Q
Registration Date: 5/12/2026

Domicile Address
8 THE GREEN
STE A
DOVER, DE 19901

Mailing Address
1301 CLEARVIEW PARKWAY
STE 200
METAIRIE, LA 70001

Principal Business Office
1301 CLEARVIEW PARKWAY
STE 200
METAIRIE, LA 70001

Registered Office in Louisiana
3867 PLAZA TOWER DR.
BATON ROUGE, LA 70816

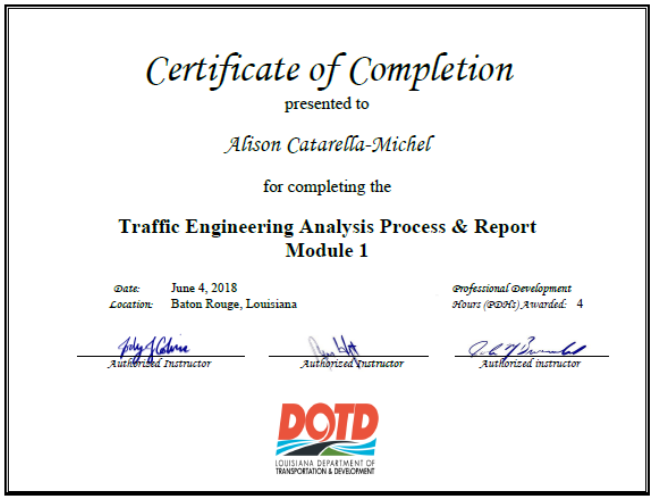
Principal Business Establishment in Louisiana
1301 CLEARVIEW PARKWAY
STE 200
METAIRIE, LA 70001

Status

Status: **Active**
Annual Report Status: **In Good Standing**
Qualified: 5/12/2026
Last Report Filed: N/A
Type: Limited Liability Company (Non-Louisiana)

Registered Agent(s)

Agent: C T CORPORATION SYSTEM



Certificate of Completion

presented to

Alison Catarella-Michel

for completing the

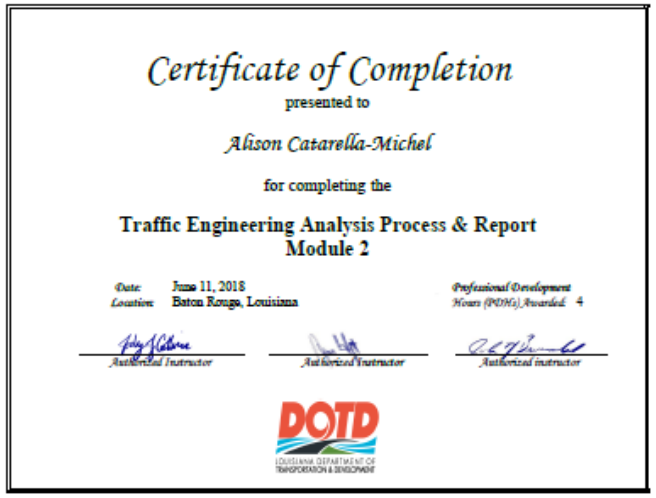
Traffic Engineering Analysis Process & Report
Module 1

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

Alison Catarella-Michel

for completing the

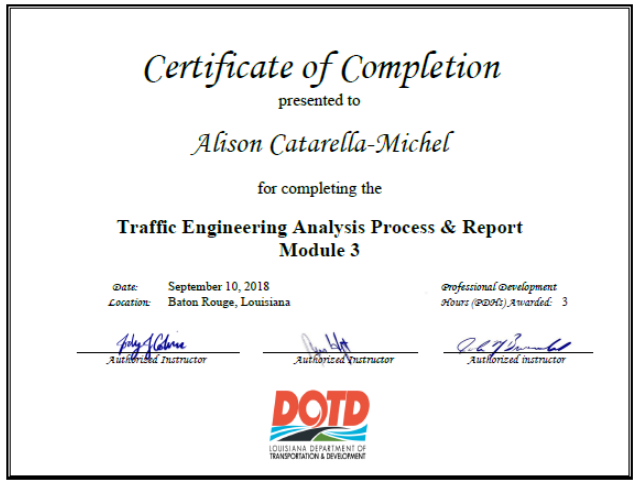
Traffic Engineering Analysis Process & Report
Module 2

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

Alison Catarella-Michel

for completing the

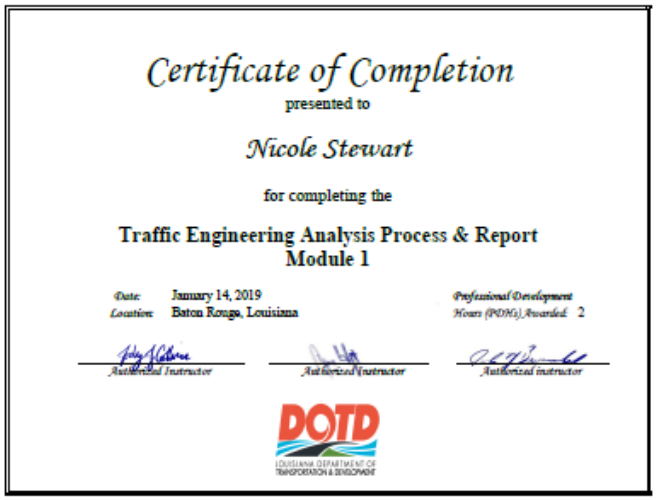
Traffic Engineering Analysis Process & Report
Module 3

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

Professional Development Hours (PDHs) Awarded: 3

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Certificate of Completion

presented to

Nicole Stewart

for completing the

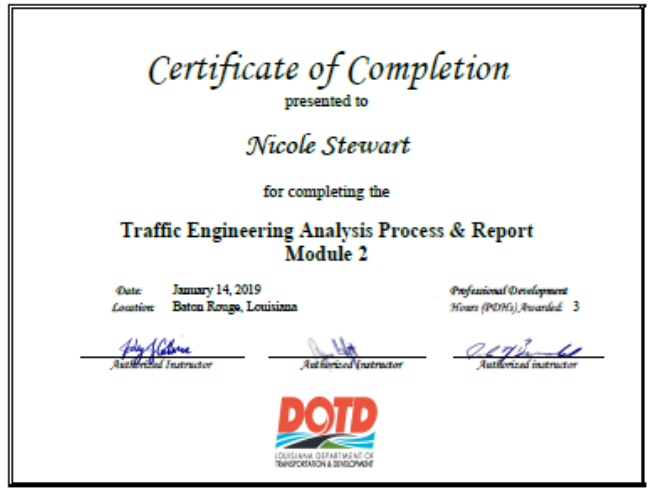
Traffic Engineering Analysis Process & Report
Module 1

Date: January 14, 2019
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

Nicole Stewart

for completing the

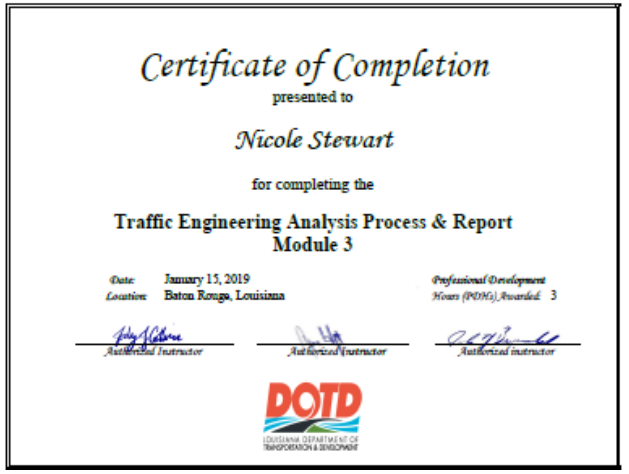
Traffic Engineering Analysis Process & Report
Module 2

Date: January 14, 2019
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

Nicole Stewart

for completing the

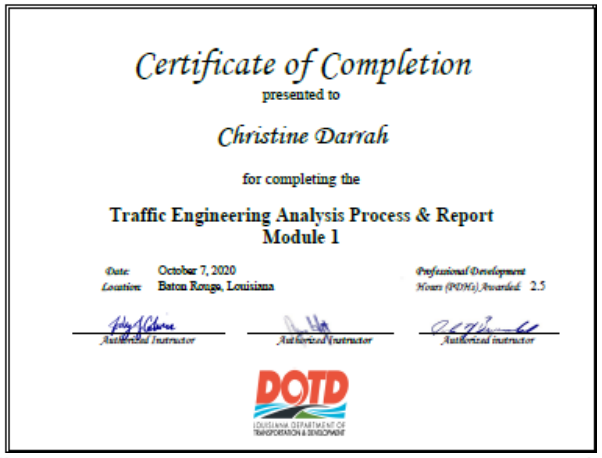
Traffic Engineering Analysis Process & Report
Module 3

Date: January 15, 2019
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

Christine Darrah

for completing the

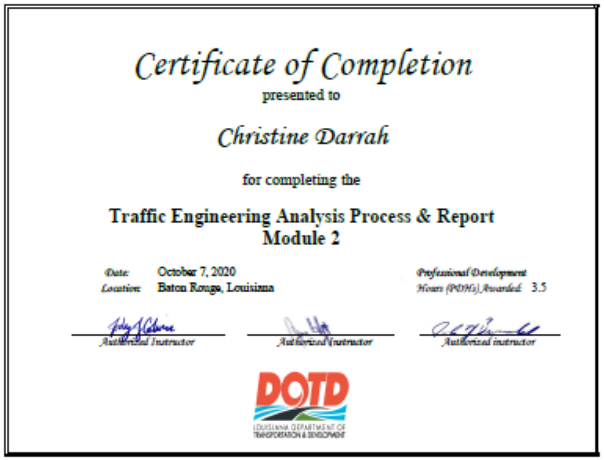
Traffic Engineering Analysis Process & Report
Module 1

Date: October 7, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 2.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Christine Darrah

for completing the

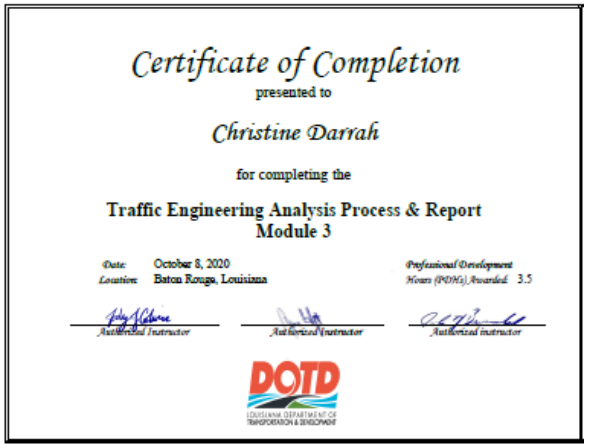
Traffic Engineering Analysis Process & Report
Module 2

Date: October 7, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Christine Darrah

for completing the

Traffic Engineering Analysis Process & Report
Module 3

Date: October 8, 2020
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 3.5

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report
Module 1

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDHs) Awarded: 7

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD

Certificate of Completion

presented to

Matthew Morgan

for completing the

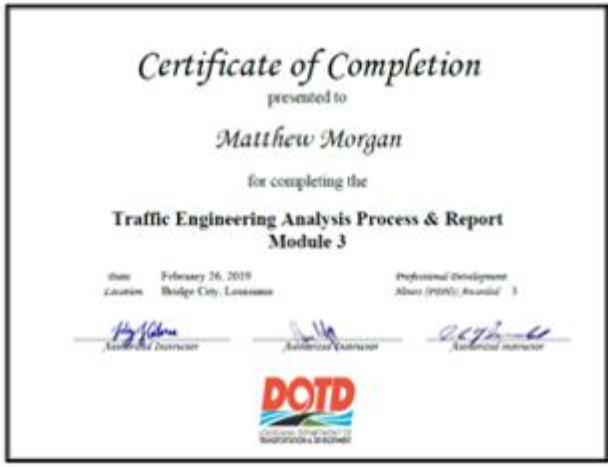
Traffic Engineering Analysis Process & Report
Module 2

Date: February 25, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDHs) Awarded: 1

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Certificate of Completion

presented to

Matthew Morgan

for completing the

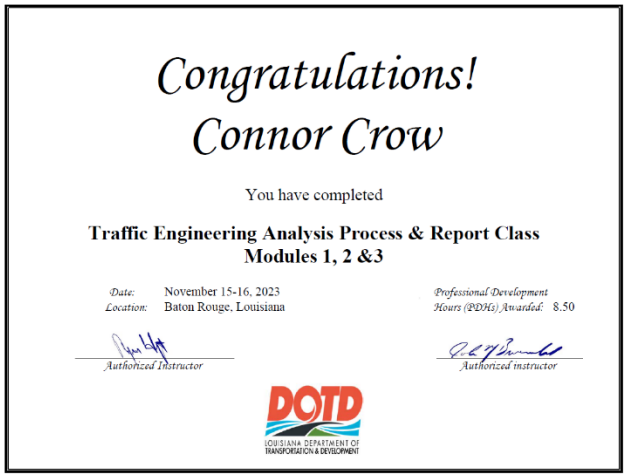
Traffic Engineering Analysis Process & Report
Module 3

Date: February 26, 2019
Location: Bridge City, Louisiana

Professional Development Hours (PDHs) Awarded: 1

Authorized Instructor | Authorized Instructor | Authorized Instructor

DOTD



Congratulations!
Connor Crow

You have completed

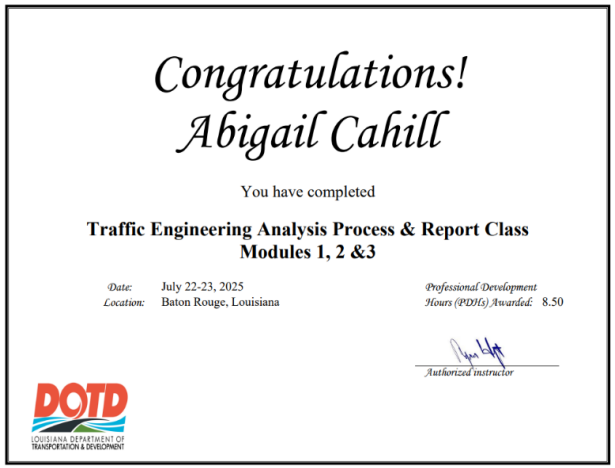
Traffic Engineering Analysis Process & Report Class
Modules 1, 2 &3

Date: November 15-16, 2023
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor | Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT



Congratulations!
Abigail Cahill

You have completed

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

Date: July 22-23, 2025
Location: Baton Rouge, Louisiana

Professional Development Hours (PDHs) Awarded: 8.50

Authorized Instructor

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

ATSSA
Safer Roads Save Lives

Nicole Stewart

has attended
Louisiana Traffic Control Supervisor

Completed: 26-FEB-2025

CEU (If Applicable): 1.5

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

American Traffic Safety Services Association
ATSSA.com

ATSSA
Safer Roads Save Lives

AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION

This is to affirm that
Christine Darrah
has satisfied the requirements
to be designated as a
Traffic Control Supervisor

Cert. #: 873755
Issue Date: 2/11/2025
Expiration Date: 2/10/2029

Certification Board

Louisiana
SECRETARY OF STATE
NANCY LANDRY

HOME

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
URBAN SYSTEMS ASSOCIATES, INC.	Business Corporation	NEW ORLEANS	Active

Previous Names
Business: URBAN SYSTEMS ASSOCIATES, INC.
Charter Number: 30812980D
Registration Date: 11/12/1974

Domicile Address
2000 TULANE AVENUE
SUITE 200
NEW ORLEANS, LA 70112

Mailing Address

Buy Certificates and Certified Copies | Subscribe to Electronic Notification | Print Detailed Record

Name	Type	City	Status
EMERGENT METHOD, LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

SPEYRER CONSULTING, LLC (Changed: 12/31/2014)

Business: EMERGENT METHOD, LLC
Charter Number: 40910135K
Registration Date: 8/8/2012

Domicile Address

804 MAIN ST.
BATON ROUGE, LA 70802

Mailing Address

804 MAIN ST.
BATON ROUGE, LA 70802

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 8/8/2012
Last Report Filed: 7/15/2026
Type: Limited Liability Company

Registered Agent(s)

Agent: NICKLOS SPEYRER
Address 1: 804 MAIN ST.
City, State, Zip: BATON ROUGE, LA 70802

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

Previous Names

EARTH TECH, INC. (OF CALIFORNIA) (Changed: 12/8/2009)

Business: AECOM TECHNICAL SERVICES, INC.
Charter Number: 34543959F
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: 11/21/2025
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: ALLISON HALL
Title: Director, Treasurer
Address 1: 300 SOUTH GRAND AVENUE
Address 2: 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: ARMANO SANOOSSIAN
Title: Secretary, Director
Address 1: 300 SOUTH GRAND AVENUE
Address 2: 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: KARL JENSEN
Title: Director
Address 1: 300 SOUTH GRAND AVENUE
Address 2: 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Officer: MATTHEW GRAMM
Title: Director, President
Address 1: 300 SOUTH GRAND AVENUE
Address 2: 9TH FLOOR
City, State, Zip: LOS ANGELES, CA 90071

Amendments on File (9)

Description	Date
Amd of Chg or Chg Prin Bus Off	12/2/2009
Name Change	12/8/2009
Amd of Chg or Chg Prin Bus Off	10/19/2015
Dissolution or Withdrawal	7/25/2018
Appointing, Change, or Resign of Officer	1/1/2021

Back to Search Results | New Search | View Shopping Cart

21. <u>QA/QC Plan:</u>

If selected, ELOS will submit a QA/QC plan to the DOTD PM within 10 business days of the award notification.

22. Sub-consultant information:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	**Address**	**Point of Contact and email address**	**Phone Number**
ECM Consultants, LLC	1301 Clearview Parkway, Suite 200 Metairie, LA 70001	Ujjal DasGupta, PE ujjal@ecmconsultants.com	504-885-4080
Urban Systems Associates, Inc.	2000 Tulane Ave. Suite 200 New Orleans, LA 70112	acmichel@urbansystems.com	504-569-3958
Emergent Method, LLC	804 Main Street, Baton Rouge, LA 70802	Jonathan Percle jonathan@emergentmethod.com	225-372-5102
AECOM Technical Services, Inc.	8555 United Plaza Blvd., Suite 300 Baton Rouge, LA 70809	Jonathan McDowell, PE Associate Vice President jonathan.mcdowell@aecom.com	504-450-9904
MB3 Inc.	3300 West Esplanade Avenue, Suite 400, Metairie, LA 70002	Mona Nosari, Senior Vice President mnosari@GoCivix.com	504-304-0783

23. Location:

ELOS has a local presence and has attached our Louisiana Secretary of State (SOS) form.