MOTT MACDONALD

Louisiana Department of Transportation and Development (DOTD)
Contract Nos. 4400032995 and 4400032996

November 13, 2025

IDIQ CONTRACTS FOR **ELECTRICAL** SERVICES STATEWIDE

Engineering and Related Services

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.

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

1.	Contract Name as shown in the advertisement	IDIQ Contracts for Electrical Services Statewide
2.	Contract Number(s) as shown in the advertisement	4400032995 and 4400032996
3.	State Project Number(s), if shown in the advertisement	N/A
4.	Prime consultant name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Mott MacDonald, 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)	EF.0003450
6.	Prime consultant mailing address	650 Poydras St, Suite 2550, New Orleans, LA 70130
7.	Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	650 Poydras St, Suite 2550, New Orleans, LA 70130
8.	Name, title, phone number, and email address of prime consultant's contract point of contact	Austin Kittok, PE, Senior Project Manager, 504.799.0448, austin.kittok@mottmac.com
9.	Name, title, phone number, and email address of the official with signing authority for this proposal	David Skipper, PE, Division General Manager, 850.602.9776, david.skipper@mottmac.com

10.	This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response. **Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.**	 Signature above shall be the same person listed in Section 9: 11/12/25 Date:

11.	If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s)	Firm(s)' %
		Urban Systems, Inc.	7.68%
		APS Engineering and Testing	5.76%

12. Discipline Table:

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

The **only** disciplines to be used are listed in the drop down in each row (Appraiser, Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (must specify), Planning, Right-of-Way, Road, Survey, and Traffic). **Remove rows as needed.**

Discipline(s)	% of Overall Contract	Mott MacDonald	Urban Systems	APS Engineering and Testing	Forte and Tablada	Each Discipline must total to 100%
Other (Electrical)	76%	100%				100%
Traffic/ITS	8%	4%	96%			100%
Geotech	6%	4%		96%		100%
Survey	10%				100%	100%
Percent of Contract	**100%**	76.56%	7.68%	5.76%	10.00%	100%

13. Team Size:

For all firms that are part of this team, indicate the approximate number of personnel to be committed to this contract, by DOTD Job Classification and the total number of personnel within the firm that could provide support, if needed. If a specialized job classification is required and not included on the DOTD job classification list, specify "Other (must specify)" and include the classification title inside the parentheses. The DOTD Job Classification(s) to be used can be found at the following link: https://bit.ly/DOTDJobClassifications.

Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
Mott MacDonald, LLC	Principal	1	2
Mott MacDonald, LLC	Supervisor - Engineer	1	4
Mott MacDonald, LLC	Engineer	4	6
Mott MacDonald, LLC	Engineer -Other	6	5
Mott MacDonald, LLC	Engineer Intern	3	4
Mott MacDonald, LLC	Professional	2	5
Mott MacDonald, LLC	CADD-Operator	2	4
APS Engineering and Testing, LLC	Principal	1	1
APS Engineering and Testing, LLC	Engineer	1	1
APS Engineering and Testing, LLC	Senior Technician	1	2
APS Engineering and Testing, LLC	Technician	1	2
Forte and Tablada, Inc.	Principal	1	1
Forte and Tablada, Inc.	Surveyor	1	2
Forte and Tablada, Inc.	CADD Opperator	1	2
Forte and Tablada, Inc.	Party Chief	2	3
Urban Systems, Inc.	Principal	1	1
Urban Systems, Inc.	Supervisor-Engineer	1	1
Urban Systems, Inc.	Engineer	1	2
		31	**48**

(Add rows as needed)

***For evaluation purposes only**, and as referenced in the Scope of Services on page 2 of IDIQ advertisements only, the consultant shall assume the number of concurrently active task orders specified in the advertisement and shall identify the number of **committed** personnel accordingly.

14. Organizational Chart:

Provide an organizational chart showing ALL **relevant** prime consultant and sub-consultant (if applicable) personnel assigned to the contract, area of project responsibility for each, and reporting lines for the purposes of this contract. An individual's role does not necessarily have to match their DOTD job classification identified in Section 13. **If applicable, identify all personnel performing traffic engineering analysis and/or QC of traffic engineering analysis by placing an asterisk next to their name. Include the certificates required by the Traffic Engineering Process and Report Training Requirements article of the Advertisement in Section 20.** It is acceptable to use an 11x17 format for Section 14.

KEY

- Mott MacDonald
- APS Engineering & Testing
- Forte and Tablada
- Urban Systems
- \+ Illuminating Engineering Society (IES) Voting Member
- * LADOTD TEAP&R certifed
- n NFPA 70/70E certified
- t ATSAA Traffic Control Supervisor TCS Certifed
- c LADOTD certifed inspector
- ^ IES Roadway Lighting Committee / Airports and Heliports Lighting Committee
- ~ FHWA National Certified Tunnel Inspector
- LC Lighting Certified (LC) by the National Council on Qualifications for the Lighting Professions

DOTD — Louisiana Department of Transportation & Development

Principal in Charge
Andrew Gibbs, PE +~
MPR 1, 2, 3, 4, 5, 6

Project Manager
Antonio Gonzalez, PE n~
MPR 1, 2, 3, 4, 5, 6, 8

QA/QC Technical Advisory

Electrical
Lionel Lutley, PE +^
MPR 1, 2, 3, 4, 5, 6

Structural
Lowry Denty, PE, SI
MPR 1, 6, 7

Traffic
Mohan Garakhalli, PE, PTOE *

Survey
Bradley Holleman, PE, PLS t
MPR 9

Geotech
Jacob Hundl, PG

Deputy Project Manager
Austin Kittok, PE t
MPR 6

Design Disciplines

Electrical and Lighting

Task Lead/Detail Checker
Kim Molloy, LC, PMP +LC

QC/Design Checker
Christopher Lau, PE +~

Lead Designer
Brandon Pergola, PE +

Designer
Thomas Price, PE

CAD Operator
Walter Hill

Inspector
Tyler Goss, EI
Richard Ferreira, EIT

Structural

Task Lead/Detail Checker
Bart Hendricks, PE
MPR 1, 6, 7

QC /Design Checker
Yomaima Szeliga, PE

Designer
Ryan Brainard, PE

CAD Operator
Charles Loyed

Inspector
Mansoor Bajwa, EI tc

Survey

Task Lead/QC
Ross Wilson, PLS t
MPR 9

Party Chiefs
Tommy Lake t
Noah Kimle t

CAD Operator
Trenton Iglehart

Geotech

Task Lead/QC
Sergio Aviles, PE, M.ASCE
MPR 11

Geotechnical Engineer
Sairam Eddanapudi, PE, ME
MPR 11

Laboratory Manager
Amanda Linton
MPR 12

Drilling Supervisor
Van George
MPR 13

Traffic/ITS

Task Lead/ Detail Checker
Alison C. Michel, PE, PTOE, PTP, RSP * t
MPR 10

QC/Design Checker
Nicole Stewart, PE, PTOE *t
MPR10

Design Checker/Detail Checker
Matthew H. Morgan, PE, PTOE * t
MPR10

Mott MacDonald, LLC emphasizes a dual-lead structure to promote both technical excellence and executive oversight. The **Project Manager** serves as the primary LADOTD contact, responsible for day-to-day coordination and contract delivery, while the **Principal-in-Charge** provides executive oversight and strategic guidance. A **Deputy Project Manager** supports the team by coordinating all subconsultant disciplines, including survey (**Forte & Tablada**), geotechnical (**APS Engineering & Testing**), and traffic (**Urban Systems**). To maintain consistency and quality across the program, our Louisiana-based inspection staff will provide dedicated field coverage from New Orleans to West Monroe, delivering statewide electrical inspection services and ensuring QA/QC continuity throughout all assignments. This structure promotes seamless communication between LADOTD and discipline leads, with clearly defined QA/QC pathways capable of managing multiple task orders simultaneously for this statewide IDIQ.

15. Minimum Personnel Requirements:

Use the table below to identify both prime consultant and sub-consultant staff designated to work on this contract meeting the Minimum Personnel Requirements (MPRs) specified in the advertisement. Ensure the résumé reflects the required experience stated in the MPR. Make sure the P.E. discipline is also listed (highlighted in table) that is meeting the MPR; e.g. professional civil engineer should show the discipline of the license as civil if meeting that MPR.

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, 3, 4, 5, 6	Andrew Gibbs, PE	Mott MacDonald	PE #0045679 - Electrical	LA	09/30/2027
1, 2, 3, 4, 5, 6, 8	Antonio Gonzales, PE	Mott MacDonald	PE #0038719 - Electrical	LA	09/30/2026
6	Austin Kittok, PE	Mott MacDonald	PE #0045850 - Civil	LA	03/31/2026
1, 2, 3, 4, 5, 6	Lionel Lutley, PE	Mott MacDonald	PE #0040498 - Electrical	LA	09/30/2026
1, 6, 7	Lowry Denty, PE, SI	Mott MacDonald	PE #0038440 - Structural	LA	03/31/2026
1, 6, 7	Bart Hendricks, PE	Mott MacDonald	PE #0040374 - Structural	LA	03/31/2026
11	Sergio Aviles	APS Engineering and Testing	PE #0033571 - Civil	LA	03/31/2026
11	Sairam Eddanapudi	APS Engineering and Testing	PE #0035129 - Civil	LA	03/31/2026
12	Amanda Linton	APS Engineering and Testing	AASHTO APPROVED ASTM EXAMS	LA	12/19/2026
13	Van George	APS Engineering and Testing			
9	Bradley S. Holleman, PLS, PE	Forte and Tablada	PLS 5082	LA	09/30/2026
9	Ross Wilson, PLS	Forte and Tablada	PLS 5148	LA	03/31/2026
10	Alison Michel, PE, PTOE	Urban Systems	PTOE #1023	LA	11/06/2026
10	Nicole Stewart, PE, PTOE	Urban Systems	PTOE #2923	LA	08/14/2027
10	Matthew H. Morgan, PE, PTOE	Urban Systems	PTOE #5893	LA	03/19/2028

16. Staff Experience:			
Firm employed by	Mott MacDonald		
Name	**Andrew Gibbs, PE**	Years of relevant experience with this employer	16
Title	Principal Project Manager Electrical	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BA/ 2008/ Electrical Engineering		
Active registration number / state / expiration date	#45679/ LA/ 2026		
Year registered	2021	Discipline	Professional Engineer- Electrical Engineering
Contract role(s) / brief description of responsibilities	Principal-in-Charge		

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).
	Andrew is a Principal Project Manager and the Global Practice Leader for Mott MacDonald’s Electrical Engineering and Controls. His broad range of technical experience includes: medium and low voltage power distribution, overcurrent protective device coordination studies, short circuit analysis, load flows, arc flash hazard analysis, interior, exterior area, and roadway lighting, generator paralleling, power factor correction, grounding and lightning protection systems, industrial control systems and networks, SCADA, instrumentation systems, access security systems, airfield visual and navigational aids (aeronautical ground lighting), and electrical inspection.
05/21-12/21	**IDIQ for Innovative Procurement and Alternative Delivery Support Services (I-10 Calcasieu Bridge), SP, Calcasieu Parish, LA:** Electrical Engineer responsible for the authoring of Technical Provisions for Electrical, Highway and Bridge Lighting for a Public Private Partnership highway and bridge development project for the LaDOTD.
10/23-02/25	**Airbus Mobile Manufacturing Site South Parking, Hoar LLC, Mobile, AL:** Electrical Engineer of Record responsible for the design of the power, lighting, data, and security for a nearly 300 space employee parking lot as part of the Single Aisle Ramp Up expansion for the Airbus FAL USA. The design included Level 2 EV charging spaces, controlled access, and surveillance.
10/23-02/25	**Dauphin Street Improvements, City of Mobile, Mobile, AL:** Electrical Engineer of Record responsible for the roadway lighting design for a stretch of roadway around the I-65 Interchange on Dauphin Street in Mobile, Al.
08/16-Present	**I-10 Mobile River Bridge and Bayway Widening, ALDOT, Mobile, AL:** Lighting consultant and Technical Provision author responsible for the reviewing of existing lighting conditions, presenting environmental concerns and mitigation techniques and design criteria for the roadway lighting related to the new Mobile River Bridge along the Interstate 10 corridor.
09/20-01/22	**Lillian Hwy FPID 443651-1, Protean, Pensacola, FL(502100081-002):** Electrical Engineer of Record for the design of Intersection Lighting for an FDOT roadway. Mott MacDonald Performed the services as a sub-consultant to Protean.
09/20-01/22	**Protean FDOT Mobile Hwy FPID 437764-1, Protean, Pensacola, FL(502100081-002):** Electrical Engineer of Record for the design of Intersection Lighting for an FDOT roadway. Mott MacDonald Performed the services as a sub-consultant to Protean.
02/21-09/21	**Massalina Bayou Bridges Aesthetic Lighting, City of Panama City, Panama City, FL(502100020-010, 2020):** Senior Project Manager and Electrical Engineer responsible for evaluating the feasibility and developing design criteria for Aesthietic and pedestrian lighting for two city-owned bridges over the Massalina Bayou.
211/21-01/22	**Godwin Lane Truck Access, Emerald Coast Utilities Authority (ECUA), Pensacola, FL:** Senior Project Manager for a project to upgrade an existing gravel access path to asphalt paving in order to better rerourte tuck entry to a slow-fill CNG facility. The project required investigation for County and State Permitting to ensure the stormwater facilities were up-to-date with current permitting requirements.

Andrew Gibbs, PE (cont.)

Firm employed by	Mott MacDonald
06/20-Present	**Rome-Cartersville Development Corridor, Georgia DOT, Cartersville, GL:** Electrical Engineer responsible for the design of roadway lighting for a new roadway corridor. The design included 5 roundabouts for a major/collector intersections and well an interstate interchange. The interstate interchange included a high mast lighting design and the roundabouts further down the corridor utilized traditional roadway lighting. The design was performed to meet IES RP-8-20
12/19-07/20	**Street Lighting for Ohio Avenue, City of Lynn Haven, Lynn Haven, FL:** Senior Project Manager and Electrical Engineer of Record for the upgrades to street lighting for Ohio Avenue (Florida State Road 77) between 10th and 8th Streets. The roadway lighting analysis and design were completed in accordance with the FDOT Design Manual.
12/18-08/19	**Hathaway Bridge Hurricane Michael Repairs, FCOT, Panama City, FL:** Electrical engineer of record for repairs to the aesthetic pier lighting and navigational lighting systems following damage from Hurricane Michael. The project included field evaluation of the damage and documentation of conditions for replacement of the lighting in addition to the addition design of replacements.
09/28	**Construction Engineering Inspection for the Pensacola Bay Bridge, FDOT, Pensacola, FL:** Electrical Engineer providing technical review and support for the construction engineering inspection team for electrical systems.
01/19-04/21	**State Road No. 390 From East of SR 77(Ohio Avenue) to SR 75(US 231), FDOT, Panama City, FL:** Electrical Engineer of Record for the roadway lighting of two signalized intersections in accordance with the Florida Design Manual. The project also included a lighting justification report for one intersection.
12/17-12/18	**SR 77 1 Mile South of Wausau, FDOT, Wausau, FL:** Electrical Engineer of Record responsible for roadway lighting for a pedestrian crossing at the intersection of SR 77 and Pioneer Road.
07/14-03/15	**Lost Key South Collector Road, WCI Communities, Perdido Key, FL:** Electrical Engineer of Record for the roadway lighting and associated electrical power system for the entry road to a planned community. The design was in accordance with Illuminating Engineering Society RP-8 and the AASHTO Roadway Lighting Design Guide as well as meeting wildlife friendly ratings for of the Florida Fish and Wildlife Services for consideration of the endangered Perdido Key Beach Mouse. Additionally, the lighting fixtures utilize LED sources designed for minimizing night sky light pollution.
07/14-03/15	**I-10 Interchange Modifications from Texas Street (Exit 25A) to West Tunnel Entrance, Alabama Department of Transportation, Mobile, AL:** Electrical Engineer of Record for the design of the roadway lighting for major modifications to an interstate, major collector, and associated interchanges in a downtown area, approaching a tunnel. The roadway lighting design included the use of high mast lighting, offset lighting, and pendant lighting for the roadways to exceed the values of the Illuminating Engineering Society RP-8.

Firm employed by	Mott MacDonald		
Name	**Antonio Gonzalez, PE**	Years of relevant experience with this employer	9
Title	Building Sciences (MEP) Group Leader / Principal Engineer Electrical	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization	BS/ 2004/ Electrical Engineering		
Active registration number / state / expiration date		#0038719/ LA/ 2026	
Year registered	2014	Discipline	Professional Engineer - Electrical Engineering
Contract role(s) / brief description of responsibilities		Project Manager	

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).
	Antonio is a Principal Electrical Engineer with significant experience in transit, ports and industrial related electrical power engineering and design. His experience encompasses a wide range of infrastructure including roadway and transit tunnels, movable bridges, cruise terminals, container yards, water, and wastewater facilities, and more. Responsibilities include medium and low voltage power system design, analysis, and inspection, taking projects from the conceptual stage through commissioning.
05/23-Present	**SP H.010673 Harvey Canal Tunnel Rehabilitation, LADOTD, Jefferson Parish, LA:** Project Manager and Lead Electrical Engineer for the construction administration for the full rehabilitation of the Harvey Tunnel. Construction scope includes structural, civil and architectural repairs and modifications, upgrades of all tunnel systems including roadway and facility lighting, tunnel ventilation, drainage, fire protection, fire / life safety, gas monitoring, over height detection, security, etc., as well as a new power distribution system with upgraded utility connection, diesel generator, ATS, MCC, UPS, etc., all monitored and controlled via a new SCADA system. Construction administration efforts include processing of RFIs, submittal/shop-drawings, project change orders, supplemental details and specifications and field inspections.
07/24-Present	**SP H.011972 Houma Tunnel Rehabilitation, LADOTD, Terrebonne Parish, LA:** Project Manager and Lead Electrical Engineer for the interdisciplinary design for the full rehabilitation of the Houma Tunnel. Design scope includes roadway and facility lighting, structural, civil and architectural repairs and modifications, upgrades of all tunnel systems including tunnel ventilation, drainage, fire protection / life safety, as well as the addition of other systems such as gas monitoring, over height vehicle detection, CCTV/security, grounding/lightning protection, and a modernized power distribution and SCADA system to support all upgrades supported by a diesel generator sized to operate the entire tunnel. Bid Support anticipated to begin Q1 2026, with construction administration to follow.
11/17-04/18	**LADOTD Belle Chasse Tunnel Rehabilitation Project, New Orleans, Louisiana:** Task Leader and Lead Electrical Engineer for the intial interdisciplinary design for the full rehabilitation of the Belle Chasse Tunnel. Design scope included structural, civil and architectural repairs and modifications, as well as upgrades of all tunnel mechanical, electrical and control systems including tunnel ventilation, drainage, fire protection, fire / life safety, gas monitoring, power distribution, emergency and UPS power, and SCADA.

Antonio Gonzalez, PE (cont.)

Firm employed by	Mott MacDonald
03/21-06/21 03/23-06/23 03/19-06/19	**LADOTD Tunnel Inspection Projects, LA:** Project Manager, Lead Electrical Engineer, and Inspector for the FHWA Bi-Annual Routine Electrical Tunnel Inspection of all LADOTD Tunnels. Tasked to lead the electrical inspections team, inspecting the electrical systems associated with tunnel currently in use for vehicular traffic. Visually, thermographically inspected and electrically tested (insulation resistance, operating currents and voltages, etc.) the electrical equipment throughout the tunnel. Systems include tunnel ventilation, drainage, lighting, fire/life safety, security and communications as well as the overall power distribution and control systems supporting each. Prepared report of all findings. Projects include the following tunnels: • Houma Tunnel Bi-Annual Inspection, 2021 & 2023, LA DOTD, Harvey, LA (Proj Mgr) • Harvey Tunnel Bi-Annual Inspection, 2021 & 2023, LA DOTD, Harvey, LA (Proj Mgr) • Belle Chasse Tunnel Bi-Annual Inspection, 2019 & 2021, LA DOTD, Plaquemines Parish, LA
07/21-01/22	**IDOT Division Street Bridge Replacement, Chicago, IL:** Electrical Engineer for the replacement of two bridges along Division Street crossing the Chicago River and the North Branch Canal. Improvements include new lift bridges, with additional traffic lanes and shared-use paths on both sides. Electrical improvements included new and upgraded power utility services, bridge roadway and navigation, pedestrian shared-use path lighting, and signalization.
01/21-07/21	**FDOT Brooks Bridge Replacement, Fort Walton Beach, FL:** Electrical engineer for the design of a new six lane bridge with a dedicated 12' wide shared-use path with scenic overlooks and shade structures to replace the existing four lane John T. Brooks Bridge. Electrical design included signalization improvements at adjacent intersections, upgraded power utility service and bridge roadway and navigation, pedestrian shared-use path and overlook lighting.
06/21-03/22	**FDOT Fuller Warren Bridge Widening, Jacksonville, FL:** Electrical engineer for the addition of three lanes to the Fuller Warren Bridge as well as improvements to the I-95/I-10 interchange and addition of a shared-use path adjacent to the bridge. Electrical improvements included signalization, new and upgraded power utility services, ITS upgrades, and bridge roadway and navigation, pedestrian shared-use path and overlook lighting.
09/20-03/21	**Miami-Dade DTPW SW 62nd Avenue Roundabout Lighting Improvements, Miami, FL:** Electrical engineer for the design of upgraded lighting at the roundabout located at SW 62nd Ave and SW 48th St. in Miami, FL. Electrical design included an upgraded power utility service as well as upgrades at adjacent crosswalks.
09/10-03/21	**USVI DPW Veterans Drive Waterfront Beautification Project, St. Thomas, US Virgin Islands:** Electrical engineer for the design of various roadway and power installations to support improvements along Veterans Drive including road widening, seawall construction, drainage improvements, an expanded promenade and a new vendors plaza. Electrical improvements included new and upgraded power utility services, roadway, parking, vendor plaza, pedestrian walkway and landscape lighting, signalization, electric vehicle charging stations, yacth shore power connections, and power bollards for commercial vendors.
07/21-12/21	**FDOT Riverside Ave Aesthetic Lighting, Jacksonville, FL:** Lead electrical engineer for the design of upgraded lighting at Riverside Ave and an adjacent parking lot in Jacksonville, FL. Electrical design included an upgraded power utility service and use of aesthetic architectural pole mounted luminaires roadway.
04/20-10/20	**FDOT Interstate 295 Dames Point Bridge ITS/DMS Improvements, Jacksonville, FL:** Electrical engineer for the design of an intelligent transportation system (ITS) on Interstate 295 (I-295), including the Dames Point Bridge, which has higher than normal vertical grade with narrower travel lanes and limited shoulder areas. Designed a set of construction plans to facilitate installation of intelligent transportation systems devices, including dynamic message signs and other intelligent transportation systems devices as needed on the Dames Point Bridge and Merrill Road to add features intended to reduce crashes and increase safety of traffic operations within the project limits.

Firm employed by			Mott MacDonald	
Name	**Austin Kittok, PE**		Years of relevant experience with this employer	8
Title	Senior Project Manager Civil		Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS/ 2016/ Civil Engineering			
Active registration number / state / expiration date			#0045850/ LA/ 2026	
Year registered	2021	Discipline	Professional Engineer - Civil Engineering	
Contract role(s) / brief description of responsibilities			Deputy Project Manager	

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).

Austin manages Mott MacDonald’s New Orleans office, leading transportation operations across Louisiana. He provides project management and engineering support for civil infrastructure projects throughout Louisiana, Alabama, and Florida, with extensive experience in Design-Bid-Build, Design-Build, and Public-Private Partnership (P3) delivery methods. His expertise includes roadway design, drainage modeling, and utility coordination, supported by proficiency in AutoCAD Civil 3D, MicroStation, StormCAD, SewerGEMs, AutoTurn, and GIS.

Austin also serves as a board member for the Southeast Louisiana Utility Coordinating Council (SELA UCC), where he champions utility coordination during the design phase as a key initiative to help clients minimize construction impacts. On the management side, he oversees inspection staff, contractor compliance, financial reporting, traffic control planning, and public outreach, ensuring successful delivery of complex transportation projects that meet LADOTD’s standards.

02/23-09/24	**SP H.013706 Harvey Tunnel Lighting Replacement, LADOTD, Jefferson Parish, LA:** Provided engineering oversight during the lighting replacement effort. His responsibilities included conducting site visits to verify the structural mounting brackets for the new lighting system along the existing pedestrian walkway, maintaining compatibility with the tunnel’s reinforced concrete structure. He coordinated closely with the lighting contractor throughout construction to address field conditions, resolve installation challenges, and confirm compliance with LADOTD standards. Through proactive coordination and technical support, helped deliver a critical upgrade to the Harvey Tunnel’s infrastructure, enhancing safety and reliability for one of Jefferson Parish’s heavily traveled transportation corridors.
10/22-Present	**SP H.010673 Harvey Canal Tunnel Rehabilitation, LADOTD, Jefferson Parish, LA:** As part of Mott MacDonald’s IDIQ contract, provided inspection services for roadway elements within the Harvey Tunnel, including concrete and asphalt pavement, pedestrian walkways, drainage systems, retaining walls, and traffic signage to support the rehabilitation design. Also assisted in civil design elements for roadway and traffic management plans, while providing construction support through RFI responses and site visits. His role ensures that the rehabilitation effort addresses structural needs, improves safety, and maintains compliance with LADOTD standards.
01/24-Present	**SP H.011972 Houma Tunnel Rehabilitation, LADOTD, Terrebonne Parish, LA:** As Engineer of Record for all civil scope, responsible for rehabilitating the existing asphalt overlay and PCCP within the tunnel and approaches, developing traffic detours to support construction sequencing, coordinating with electrical engineers on lighting foundations for approach lighting, and designing guardrail systems to protect new overhead lighting. This leadership enhances the project enhances roadway performance, safety, and reliability while minimizing construction impacts and maintaining compliance with LADOTD standards.

Austin Kittok, PE (cont.)

Firm employed by	Mott MacDonald
08/19-02/23	**SP No. H.011670.6 I-10 Loyola Interchange, GEC, Kenner, LA:** A $125 million LADOTD Design-Build initiative that delivered the state's first Diverging Diamond Interchange (DDI) traffic configuration, along with elevated flyover ramps and widened lanes to improve access to the new Louis Armstrong New Orleans International Airport terminal. As a subconsultant to the Prime Owner Verification Firm, assisted LADOTD with engineering and related services for Design-Build Construction Support, including administration of the contract and management of the Construction Quality Assurance Program (CQAP). Responsibilities included plan review of contractor and utility company submittals to identify conflicts, oversight and coordination of MM field inspectors through CE&I services. In this role, contributed to LADOTD's efforts to uphold quality, maintain accountability, and successfully deliver one of Louisiana's most innovative transportation projects.
02/20-02/23	**SP No. H004791 LA23 Belle Chasse Bridge and Tunnel (HBI), Volkert, Plaquemines Parish, LA:** a Public-Private Partnership (P3) initiative led by LADOTD to replace the aging Belle Chasse Bridge and Tunnel and improve connectivity along LA 23. Acting as a subconsultant to Volkert, served in a limited role as Project Engineer assistant, providing contract administration design support and construction support services for the existing tunnel. Responsibilities included review of the Demolition and Abandonment Plan (D&AP), preparation of the Baseline Inspection and Baseline Element Condition Report, and oversight of a field inspector through CE&I services utilizing LADOTD SiteManager. Through this support, contributed to maintaining compliance and documentation accuracy during the transition phase of one of Louisiana's most significant P3 transportation projects
03/17-01/20	**Belle Chasse Tunnel Inspection, LADOTD, Jefferson Parish, LA:** As part of LADOTD's statewide IDIQ contract for tunnel inspections and repairs, provided inspection services for the Belle Chasse Tunnel in Jefferson Parish, Louisiana. Responsibilities included evaluating roadway elements such as concrete and asphalt pavement, pedestrian walkways, drainage systems, retaining walls, and traffic signage to support future design improvements. Following completion of the inspections, the assessment determined that the tunnel should be decommissioned, marking a critical step in LADOTD's long-term plan to replace the aging facility and improve connectivity along LA 23.
05/25-Present	**NOFOG RR403 Desire Group C & D, City of New Orleans Department of Public Works, New Orleans, LA:** A $52M full reconstruction effort managed by the City of New Orleans Department of Public Works. As Project Manager for the CE&I services, serves as the City's owner representative, overseeing subconsultants, monitoring contractor compliance, and directing inspector activities. The project scope includes rebuilding municipal infrastructure such as concrete and asphalt roadways, drainage, sewer, and water systems. Through proactive oversight and coordination—providing quality, accountability, and timely delivery, resulting in modernized infrastructure that improves roadway performance, drainage capacity, and utility reliability for the residents of New Orleans.
01/20-08/25	**JIRR RR130 Milneburg (Group A), City of New Orleans DPW, New Orleans, LA:** Project Manager for a $16 million design-bid-build roadway rehabilitation covering approximately 260 city blocks in the Gentilly neighborhood. The scope included roadway investigations, pavement replacement, and installation of new underground drainage supported by H&H modeling. As Project Manager for CE&I services, oversees construction administration, inspection operations, contractor coordination, RFIs, invoicing, change orders, and traffic control monitoring, while supporting public outreach. This leadership enhances quality, accountability, and delivery of improved roadways and drainage infrastructure for the community.
02/24-Present	**RR216 East Carrollton Group B & C, City of New Orleans DPW, New Orleans, LA:** Project Manager responsible for the inspection services associated with the full reconstruction of over 30 blocks located in the East Carrollton neighborhood. Responsible for the coordination of all inspection operations associated throughout the life cycle of construction for both Mott MacDonald and subconsultants, coordination with owner and contractor to facilitate scheduling of inspectors, coordination with the City of New Orleans public outreach personal to verify project updates are facilitated to the residents throughout the lifecycle of the $28.7M project.

Firm employed by	Mott MacDonald		
Name	**Kim Molloy, LC, PMP**	Years of relevant experience with this employer	1
Title	Principal Project Manager Electrical	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization	BS/ 1995/ Electrical; Minor/ 1995/ Illumination and Optical Engineering		
Active registration number / state / expiration date	#5754458		
Year registered	2020	Discipline	Project Management Professional (PMP) | NCQLP Lighting Certified (LC)/ 2017
Contract role(s) / brief description of responsibilities	Electrical and Lighting Task Lead/Detail Checker		

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).

Kim brings 30 years of architectural, roadway, and tunnel lighting experience. She has a wide range of lighting and power distribution design expertise, including computational finite element analysis, design and support of lighting and lighting control systems for tunnel, roadway, rail, and transit infrastructure clients. She is also experienced in coordinating work with local, state, and federal agencies and is certified as a Project Management Professional. Kim has managed projects and multidisciplinary project teams to successfully deliver landmark projects for platinum and strategic clients. She is seasoned in business development including the preparation of technical and cost proposals to successfully win work.

Kim is a voting member of the Illuminating Engineering Society (IES) Roadway Lighting Committee with thorough participation as the Task Leader of the Tunnel Lighting Task Force and a member of the Standard Practice.

01/25-Present	**SP H.011972 Houma Tunnel Rehabilitation, LADOTD, Terrebonne Parish, LA:** QAQC reviewer for the tunnel lighting and control system design for the Houma Tunnel. Overall project scope includes full rehabilitation of the Houma Tunnel. Design scope includes structural, civil and architectural repairs and modifications, upgrades of all tunnel systems including tunnel ventilation, drainage, fire protection / life safety, roadway and facility lighting, as well as the addition of other systems such as gas monitoring, over height vehicle detection, CCTV/security, grounding/lightning protection, and a modernized power distribution and SCADA system to support all upgrades supported by a natural gas generator sized to operate the entire tunnel.
11/25-Present	**Bangor Bridges for Maine Department Of Transportation, Bangor, ME:** Serving as electrical designer for the Design/Build project. Responsible for all electrical and lighting design of two full bridge replacements carrying Interstate I-95 over Stillwater Avenue and one full bridge replacement carrying Kenduskeag Avenue over I-95 in Bangor, ME. Project scope includes pedestrian path and underpass lighting along Stillwater Avenue.
11/24-Present	**Boston Tunnel Safety Improvements Project for Massachusetts Department of Transportation (MassDOT), Boston, MA:** Serving as the project manager for the upgrade of the emergency exit signage and egress signage according to NFPA 101 and NFPA 502 for the Ted Williams Tunnel, the I-93 Tunnel, and the I-90 Eastbound and Westbound Connector Tunnels in Boston.
11/24-Present	**Boston-Somerville Electrical Cabinet Replacements for the Massachusetts Department of Transportation (MassDOT), Boston, MA:** Serving as the project manager for the upgrade of the electrical and communications cabinets along I-90 and I-93 in Boston, MA. Scope includes field inspection, condition assessment, and data base creation for MassDOT’s assets. Design includes typical replacement cabinet design to be used systemwide.
11/24-Present	**Fiber Optic and Tunnel Lighting Replacement for the Niagara Frontier Transportation Authority, Buffalo, NY:** Serving as the project manager for the replacement of 6.5 miles of fiber optic cable and 5.2 miles of tunnel lighting and controls for Buffalo’s light rail rapid train system (LRRT). Scope also includes assessment of adequacy of existing infrastructure, proposed energy savings of new lighting system, and design of WIFI solutions to provide coverage for the tunnels.
03/25-Present	**Boston CANA Tunnel and Vent Building Rehabilitation for Massachusetts Department of Transportation (MassDOT):** Electrical designer responsible for lighting design for vent building #15 and providing lessons learned from other recent Boston tunnel lighting rehabilitation projects.

Firm employed by			
Name	**Lionel Lutley, PE, PMP, CEng**	Years of relevant experience with this employer	25
Title	Principal Project Manager Electrical	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	BEng/ 1995/ Electrical, Electronics IT Engineering		
Active registration number / state / expiration date		#0040498/ LA/ 9/30/2026	
Year registered	2016	Discipline	Professional Engineer - Electrical Engineer | Project Management Professional #2592438 | #30116948/ 2000/ Chartered Engineer UK
Contract role(s) / brief description of responsibilities		QA/QC Technical Advisory - Electrical	

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).
	Lionel specializes in major rail and road infrastructure projects with experience in all aspects of electrical underground road tunnel, railway, subway and light rail electrical design. Systems include road tunnel lighting design, electrical power distribution and services, uninterruptable power supply (UPS). He has a proven ability to deliver projects on time and within budget. Lionel is an active member of the IES Roadway Lighting Sub-Committee for ANSI/IES RP-8, design of Road Tunnel Lighting.
02/17- 02/18	**SP H.013706 Harvey Tunnel Lighting Replacement, LADOTD, Jefferson Parish, LA:** Lead Electrical Engineer responsible for electrical power distribution and tunnel lighting design. Design elements include low voltage and medium voltage distribution system, closed-circuit television (CCTV), SCADA, tunnel lighting, uninterrupted power supply (UPS), standby generator, drainage pumps, electrical cable routes, and cable support systems.
01/23- Present	**Park Avenue Tunnel Improvements, Metropolitan Transportation Authority Construction & Development Company – Metro North Railroad (MTA-MNR), New York, NY:** Deputy Project Manager and Lead Systems Engineer responsible for design of four new emergency exits and rail systems upgrades of traction power, tunnel lighting, fire standpipe, security, and closed-circuit television (CCTV) systems. Responsible for the preparation of bridging documents to facilitate the Design-Build contract.
02/16- Present	**Purple Line Light Rail, Maryland Transit Administration, Bethesda, MD:** Design-Build Contract Lead and Lead Electrical Engineer responsible for electrical design of two subsurface stations and rail tunnels. Designs include low voltage and medium voltage power distribution, standby generators, life safety ventilation fans, rail tunnel lighting, emergency egress lighting, and power supplies to communications equipment. Other duties include liaison with PEPCo power utilities to secure redundant power supplies. Project deliverables include 100% design drawings and specifications.
03/17- 03/20	**Sound Transit East Link Extension Operations and Maintenance Facility, Sound Transit, Seattle, WA:** Lead Electrical Engineer responsible for design review and construction support services for this design-build project. Tasks include review of electrical plans, specifications, costs, and constructability of designer’s drawings and specifications.
04/13- 04/25	**Sound Transit East Link Extension, Sound Transit, Seattle, WA:** Lead Electrical Engineer responsible for electrical design of subsurface and surface stations and tunnel. Designs include electrical supplies to life safety ventilation fans, rail tunnel lighting, low and medium voltage power distribution, egress lighting, and power supplies to communications equipment. Other duties include liaison with electrical utilities to secure redundant power supplies and preparation of 100% design drawings and specifications.

Lionel Lutley, PE, PMP, CEng (cont.)

04/10-04/12	**Grand Central Terminal Upgrade, Metro North Railroad (MNR), New York, NY:** Project Manager and Lead Electrical Engineer responsible for coordinating a team of engineers to deliver detailed designs for upgrade of the mechanical, electrical, and communication facilities. Duties included preparation of feasibility and detailed design reports and drawings for construction. Also served as Project Manager and Resident Engineer during the construction period for electrical systems installation. Responsibilities included construction management, inspection, witness testing of electrical installations, and contractor coordination.
05/19-Present	**I-64 Hampton Roads Bridge-Tunnel Expansion, Virginia Department of Transportation (VDOT), Hampton and Norfolk, VA:** Lead Electrical Engineer responsible for project management and electrical design for electrical power distribution and tunnel services design. Duties include 155kV substation design for permanent tunnel loads, power distribution, tunnel lighting design and lighting controls, design of secure power supplies uninterrupted power supply (UPS) and generators, electrical cable routes, and cable support systems. Managing a 15-person design team and performing systems coordination coordinating tasks with sub consultants. Contract management tasks include managing scope, schedule, and $5 million design budget. The design-build project entailed design and design services during construction for the $3.3 billion expansion of a 10-mile corridor of I-64 across the James River, increasing capacity to 4 lanes in each travel direction. Part of the Lead Design Team specifically responsible for design and construction phase services for the twin 1.4-mile long subaqueous bored tunnels, interior structures, Electrical, instrumentation/controls/automation (ICA), mechanical, fire life safety, and SCADA/ITS, buildings, and utility relocation.
08/18-08/19	**I-93 Central Artery Road Tunnel Lighting Refurbishment, Massachusetts Department of Transportation (MassDOT), Boston, MA:** Lead Electrical Engineer responsible for electrical power distribution and tunnel lighting design. Design elements to 25% stage. Duties include tunnel lighting design, lighting controls, uninterrupted power supply (UPS), electrical cable routes, and cable support systems.
01/13-01/16	**Hugh L. Carey/Brooklyn Battery Tunnel, MTA Bridges and Tunnels (MTABT), New York, NY:** Lead Electrical Engineer responsible for design of road tunnel lighting, electrical supplies to pumps, egress lighting, and power supplies to communications equipment. Other duties included an assessment of equipment damaged during SuperStorm Sandy (2012), preparation of 100% design drawings and specifications, and assisting MTABT with the preparation of FEMA flood damage assessments claims.
01/10-01/13	**Lytle Road Tunnel Lighting and Electrical Systems, Ohio Department of Transportation (ODOT), Cincinnati, OH:** Lead Electrical Engineer responsible for detailed design of tunnel lighting and electrical systems. Duties included preparation of 100% construction plans, specifications, and costs for low voltage distribution, motor control centers, LED tunnel lighting, medium voltage distribution, transformers, and uninterrupted power supply (UPS) and grounding systems. Other duties included systems coordination for SCADA and traffic management systems, and preparing SKM power systems study for arc flash, short circuit, and breaker coordination study.
01/10-01/13	**Lytle Road Tunnel Electrical Equipment Replacement Feasibility Study, Ohio Department of Transportation (ODOT), Cincinnati, OH:** Lead Electrical Engineer responsible for feasibility design of medium voltage and low voltage electrical distribution equipment replacement report. Duties included preparation of a performance-based specification used to enable construction built process to be initiated for the rehabilitation of low voltage, distribution, motor control centers, tunnel lighting, medium voltage distribution, transformers, standby diesel generators, and grounding systems.
03/03-03/06	**Hindhead A3 1.9km Road Tunnel, Highways Agency, UK:** Project Manager responsible for delivery of the $1.2 million mechanical and electrical (M&E) preliminary and detailed design. Duties included systems coordination, planning, commercial management, and sign off of deliverables for all M&E designs. Lead Electrical Engineer responsible for the preparation of electrical options reports, electrical outline and detailed design reports, design drawings, and whole life cost analysis.

Firm employed by			
Name	**Christopher Lau, PE**	Years of relevant experience with this employer	
Title	Senior Project Engineer Electrical	Years of relevant experience with other employer(s)	
Degree(s) / Years / Specialization	MS/ 2014/ Electrical Engineering; BS/ 2012/ Electrical Engineering		
Active registration number / state / expiration date		#096611-1/ NY/ 2028	
Year registered	2016	Discipline	Professional Engineer - Electrical Engineering
Contract role(s) / brief description of responsibilities		Electrical and Lighting QC/Design Checker	

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).
	Christopher is a senior project engineer and has undertaken the design lead of several tunnel and other transportation related projects. He specializes in power distribution and tunnel lighting providing both numeric and rendered solutions as well as 3D photometric modelling. His lighting designs are installed in multiple roadway tunnels in operation today. His responsibilities include emergency power systems, LV and MV power distribution, tunnel and site lighting, code review, and feasibility studies. Christopher is a Nationally Certified Tunnel Inspector (NCTI) and has inspected numerous tunnels since his certification in 2016. He also is an active member of the IES Roadway Lighting Committee for ANSI/ IES RP-8, Design and Maintenance of Roadway and Parking Facility Lighting in specific to Chapter 14 for Tunnel Lighting.
12/20-Present	**SP H.010673 Harvey Canal Tunnel Rehabilitation, LADOTD, Jefferson Parish, LA:** Engineer of Record overseeing the rehabilitation of the tunnel power and emergency distribution systems. The project includes a new natural gas generator for emergency backup, upgraded ventilation fans and drainage pumps, and fire alarm system. Project involves a complete Structural, Civil, & MEPF rehabilitation of the tunnel and approach systems including normal and emergency power distribution.
03/19-02/23	**SP H.013706 Harvey Tunnel Lighting Replacement, LADOTD, Jefferson Parish, LA:** Lighting design lead for the rehabilitation of two 1080-foot roadway tunnels. Performed numeric and rendered lighting analysis and modelling for the tunnel approach and roadways. Designed both the normal and emergency lighting distribution systems with harmonic cancelling transformers. Provided a powerline lighting control system using state-of-the-art technologies.
03/15-08/15	**Tunnel Inspection of the Harvey Canal Tunnel, Houma Tunnel, and Belle Chasse Tunnel, Louisiana Department of Transportation and Development (LaDOTD), Various Parishes, LA:** Electrical Inspector for inspection of all electrical components, including evaluation of switchboards, ventilation fan and drainage pump motors, primary and emergency power backup distribution, fire alarm system, and tunnel lighting. Prepared an inspection report consisting of inspection findings, repair recommendations, and code compliance review with NFPA 502, 72, 70E, and NEC 70 guidelines and standards.
2017	**Belle Chasse Tunnel Rehabilitation, Louisiana Department of Transportation and Development (LaDOTD), Plaquemines Parish, LA:** Electrical Engineer involved in electrical power distribution and tunnel lighting design. Responsible for lighting design calculations and power distribution and lighting plans. Performed site investigations to verify existing tunnel and facility conditions and determine design intent. Design elements include low voltage and medium voltage distribution system, closed-circuit television (CCTV), SCADA, tunnel lighting, uninterrupted power supply (UPS), standby generator, drainage pumps, electrical cable routes, and cable support systems.

Christopher Lau, PE (cont.)

04/23-12/24	**Scarborough Subway Extension (SSE), Toronto Transit Commission (TTC), Scarborough, Ontario:** Electrical and Instrumentation, Controls and Automations MEP discipline lead for 600V power distribution services throughout three major underground stations and ancillary buildings. Provide full 3D BIM deliverables including low voltage power distribution throughout the station, lighting for all public and back of house areas including platform level, and power studies including but not limited to breaker coon and arc flash studies.
08/18-Present	**Hampton Roads Bridge Tunnel Expansion (HRBT), Hampton, VA:** Deputy lead for electrical involved with medium voltage substation design, low voltage power distribution, temporary electrical construction, and complete tunnel, site, and pump station lighting designs. Provide electrical BIM support acting as CAD lead to ensure that the project follows all BIM standards.
12/18-09/19	**I-93 Central Artery Tunnel Lighting Rehabilitation, MassDOT, Boston, MA:** Electrical Engineer responsible for the design and coordination of replacement tunnel roadway lighting systems in both the Northbound and Southbound Central Artery Tunnels in Boston. Major design involvement included designing a new powerline carrier dimmable control system to integrate with the existing system, LED luminaires layout, circuiting and raceway routing, all associated engineering calculations for tunnel lighting systems per ANSI/IES RP-22, NFPA 101, and NFPA 502, and proposing construction sequencing.
11/24-Present	**Statewide Engineering Design and Review Services – Tunnel Safety Improvements, MassDOT, Boston, MA:** Project manager and Electrical Engineer responsible for the design and coordination of replacement tunnel roadway wayfinding systems within three major tunnels in the Boston area. Major design involvement includes egress and traffic signage per NFPA 101, NFPA 502, and NCHRP guidelines to 25% submission standards. A complete condition assessment, inventory log and repair recommendation report of the existing cross passageways and overhead traffic signage was prepared.
1/25-05/25	**HVDC Standard Design, Hitachi Energy USA Inc., North America, USA:** Lead Electrical Engineer involved with undertaking a complete review of Hitachi's standard Converter Station design against US codes and standards. Scope included reviews of the site and building electrical design, 3D models, and delivery of a specification package in CSI format.

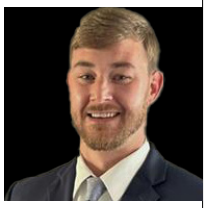
Firm employed by			
Name	**Brandon Pergola, PE**	Years of relevant experience with this employer	11
Title	Electrical Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS/ 2013/ Electrical Engineering		
Active registration number / state / expiration date		# 099698-1/ NY/ 2026	
Year registered	2018	Discipline	Professional Engineer - Electrical Engineering
Contract role(s) / brief description of responsibilities		Electrical and Lighting Lead Designer	

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).
	Brandon has experience in the management of large, complex, multi-discipline projects and in all aspects of design and construction for electrical systems on projects spanning different sectors, including tunnels, buildings, industrial infrastructure, power, aviation, fueling, and water. He has the expertise to proactively analyze complex engineering/project issues, recommend optimum solutions, and communicate those recommendations effectively to the project team and the client. He is experienced in project planning, controls, resource management, scheduling, quality assurance, and risk identification. While diverse, his technical work primarily focuses on medium voltage and low voltage power systems. Brandon is well-versed in the application of relevant codes and related industry standards for all sectors he works within. His responsibilities regularly extend across the areas of project management, project coordination, preparing detailed design deliverables, providing electrical engineering services, writing technical specifications, cost estimation, and construction support. Brandon currently undertakes lead electrical and project management roles on major road and rail tunnel design projects.
10/20-Present	**I-64 Hampton Roads Bay Tunnel Expansion, Virginia Department of Transportation (VDOT), Norfolk, VA:** Deputy Electrical Package Manger and Senior Project Engineer responsible for leading design and coordination of electrical power systems (EPD) package and electrical systems design within the support buildings package (SBP). Major design involvement included site and tunnel power distribution systems, tunnel lighting, designing power to tunnel ventilation jet fans, other mechanical, fire protection, and fire-life safety equipment loads, coordination of SCADA and ITS systems and routing, and overseeing Building Information Modeling (BIM) production for EPD and SBP.
01/19-12/19	**I-93 Central Artery Tunnel Lighting Rehabilitation, Massachusetts Department of Transportation (MassDOT), Boston, MA:** Electrical Project Engineer responsible for the design and coordination of replacement tunnel roadway lighting systems in both the Northbound and Southbound Central Artery Tunnels in Boston. Major design involvement included designing a new powerline carrier dimmable control system to integrate with the existing system, LED luminaires layout, circuiting and raceway routing, all associated engineering calculations for tunnel lighting systems per ANSI/IES RP-22, NFPA 101, and NFPA 502, and proposing construction sequencing.
08/19-01/19	**I-64 Hampton Roads Bay Tunnel Expansion, Virginia Department of Transportation (VDOT), Norfolk, VA:** Bid-Phase Electrical Project Engineer responsible for the design and coordination of all electrical systems. Major design involvement included new utility services and power distribution system, tunnel lighting, powering the tunnel ventilation fans, powering other mechanical, fire protection, and fire-life safety equipment loads, coordination of SCADA and ITS systems routing, and design of the emergency generator system.
01/17-08/17	**Lehigh Tunnel Lighting and Raceway Replacement, Pennsylvania Turnpike Commission, Lehigh and Carbo County, PA:** Project Engineer responsible for the complete replacement of all tunnel lighting luminaires in both tubes of the Lehigh Tunnel and replacement of the non-code-compliant PVC-coated raceway located in the tunnels associated with systems other than lighting. Provided electrical design services which included the layout and all associated engineering calculations for tunnel lighting systems per ANSI/IES RP-22, NFPA 101, and NFPA 502. Provided the design for incorporating the new luminaires into reuse of the existing controls system and designed the four separate UPS systems required for the tunnel lighting per requirements of NFPA 502, 110, and 111.

Brandon Pergola, PE (cont.)

10/13-02/16	**BB-28 Brooklyn Battery Tunnel Rehabilitation and Flood Mitigation, Triborough Bridge and Tunnel Authority, New York, NY:** Design Engineer responsible for preparing detailed electrical design documents for the rehabilitation of the Brooklyn Battery Tunnel due to damage caused by Superstorm Sandy. Responsibilities included the design, layout, and routing of all electrical equipment and conduit through all three ventilation facilities associated with the operation of the tunnel as well as both tubes. Additional involvement included the design of the complex fire alarm/mass notification system in the exhaust and fresh air ducts of both tubes and multiple field investigations of all facilities associated with tunnel operations. Coordinated power distribution and cable routing for all disciplines including pumps, controls, communications, and lighting systems.
03/14-06/14	**Lytle Road Tunnel Rehabilitation, Ohio Department of Transportation (ODOT), Cincinnati, OH:** Electrical Design Engineer responsible for the design of the fire detection/alarm system. Coordinated with mechanical, linear heat detection, and communication disciplines to ensure a properly designed and functional fire alarm system. Also designed part of the low voltage power distribution system within the facility.
12/19-02/21	**A/E Services for Tunnel Shaft Rehabilitation (MECH-0003), Washington Metropolitan Area Transit Authority (WMATA), Washington, DC and MD:** Project Manager and Lead Electrical Engineer responsible for the preparation of concept design level bid documents to support design-build. Project included the LIDAR scanning and Revit model development for 68 fan, ventilation, and egress shafts on WMATA's A-Line and B-Line, geographic information system (GIS) database development for 49 stations across the WMATA system for a total of 389 locations added to record, and rehabilitation design of 82 fan, ventilation, and egress shafts on WMATA's A-Line and B-Line. Major project involvement included client interface, project coordination, and leading electrical staff in the development of electrical contract documents.
12/19-02/21	**Tunnel Ventilation Improvements Implementation – Phase II (MECH-0002), Washington Metropolitan Area Transit Authority (WMATA), Washington, DC:** Electrical Project Manager responsible for the finalization of electrical concept design level bid documents to support design-build. Project included the upgrade of WMATA's tunnel ventilation system to control smoke, including installation of new fan plants within the existing system ventilation shafts. Major project involvement included coordination, review, design input, and leading the development of electrical systems modeling for use on contract documents.
08/17-12/17	**LaGuardia Airport (LGA) Redevelopment, Delta Air Lines, Queens, NY:** Provided detailed electrical design and construction support services for Delta Air Lines LaGuardia Airport Redevelopment Project. This Redevelopment Project replaced the existing Terminal C and D buildings and parking lots P4 and P5 with a new terminal headhouse buildings and four concourses, totaling approximately 1.2 million square feet. The concourses consist of two and three story steel structures, while the terminal headhouse is four stories housing all the departure and arrival processing functions. The airside infrastructure includes new passenger boarding bridges, pre-conditioned air and ground power units, RIDS, and potable water cabinets. The new airfield layout has the flexibility to accommodate 37 gates with a new terminal-wide hydrant fueling system, a GSE service station, aircraft deicing, glycol dispensing/blending locations, and snow melting stations.
01/14-03/16	**Infrastructure Renewal Program - Aviation Fuel System Modifications - Newark (EWR) Liberty International Airport, Port Authority of New York & New Jersey (PANYNJ), Newark, NJ:** Electrical Project Engineer responsible for providing electrical design documents for the modernization of the existing aviation fueling infrastructure throughout the entire airport, from fuel farm to hydrant fueling systems. The modifications enhanced system operation and efficiency and brought the affected portions of the system into compliance with the latest environmental regulatory requirements.

Firm employed by				
Name	**Richard Ferreira, EIT**		Years of relevant experience with this employer	2
Title	Engineering Designer II Electrical		Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS/ 2022/ Electrical Engineering			
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities			Electrical and Lighting Designer	

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).
	Richard's broad range of technical experience includes: medium and low voltage power distribution, overcurrent protective device coordination studies, short circuit analysis, load flows, arc flash hazard analysis, interior, exterior area, and roadway lighting, generator paralleling, power factor correction, grounding and lightning protection systems, industrial control systems and networks, SCADA, instrumentation systems, access security systems, airfield visual and navigational aids (aeronautical ground lighting), and electrical inspection.
10/23-02/25	**Dauphin Street Improvements, City of Mobile, Mobile, AL:** Assisted Electrical Engineer of Record responsible for the roadway lighting design for a stretch of roadway around the I-65 Interchange on Dauphin Street in Mobile, AL.
10/25-Present	**I-10 Mobile River Bridge and Bayway Widening, ALDOT, Mobile, AL:** Lighting consultant and Technical Provision assisted author responsible for the reviewing of existing lighting conditions, presenting environmental concerns and mitigation techniques and design criteria for the roadway lighting related to the new Mobile River Bridge along the Interstate 10 corridor.
02/25-Present	**Rome-Cartersville Development Corridor, Georgia DOT, Cartersville, GA:** Assisted the Electrical Engineer responsible for the design of roadway lighting for a new roadway corridor. The design included 5 roundabouts for a major/collector intersections and well an interstate interchange. The interstate interchange included a high mast lighting design and the roundabouts further down the corridor utilized traditional roadway lighting. The design was performed to meet IES RP-8-20.
04/25-Present	**SR 228 Hart Bridge Expressway, FDOT, Jacksonville, FL:** Assisted Electrical Engineer of Record responsible for the roadway lighting design for a stretch of roadway around State Road 228 known as the Hart Bridge Expressway in Duval County, Jacksonville, FL.

Firm employed by			
Name	**Thomas Price, PE**	Years of relevant experience with this employer	5
Title	Engineer IV Electrical	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	BS/ 2022/ Electrical Engineering		
Active registration number / state / expiration date		E25874/ CA/ NA	
Year registered	2025	Discipline	Professional Engineer - Electrical Engineering
Contract role(s) / brief description of responsibilities		Electrical and Lighting Designer	

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).
	Thomas' experience includes low, medium, and high voltage power distribution up to 69 kV, lighting, fiber optic distribution, telecommunications, grounding and lightning protection systems, industrial instrumentation / control systems and SCADA networks, and fire protection systems. He has power system study experience including overcurrent protective device coordination, short circuit analysis, load flows, and arc flash hazard analysis. This technical experience has been in the Water / Wastewater Sector across the United States. Software experience includes but is not limited to Power Tools for Windows by SKM Systems Analysis, Inc., AGI32 by Lighting Analysts, and various versions of Bentley MicroStation and Autodesk AutoCad. Responsibilities include carrying out project engineering and management duties such as business development, customer relations, engineering design, specification development, submittal review, and construction management.
08/25-Present	**LAGMC Infill Station, MetroLink, Los Angeles CA:** Electrical Engineer of Record for the design of electrical and lighting systems for the LAGMC Infill Station. Scope included lighting design for the 680-foot center platform, pedestrian bridge, and at-grade crossing in compliance with SCRRA standards. The system utilized LED fixtures with automatic brightness controls responsive to ambient conditions and incorporated redundancy for patron safety, including emergency battery packs and provisions for portable generator connection during extended outages.
05/23-Present	**Ridenour Reclaimed Water Re-Pump and Booster Pump Station and Ground Storage Tank, JEA, Jacksonville FL:** Electrical Engineer responsible for the design and construction of a new pump station located on an existing campus featuring heavy pedestrian and vehicular traffic. The project’s lighting scope included the upgrades of the existing campus lighting system to improve patron visibility and safety at roadway intersections and pedestrian foot paths by implementing LED fixtures equipped with photocell controls. The emergency lighting design includes back-up battery packs and an NFPA 110 compliant standby generation system for extended outages.
07/22-Present	**RiverTown Reclaimed Water Booster Pump Station, JEA, Jacksonville, FL:** Electrical Engineer responsible for the design and construction of the upgrades at the RiverTown Water Treatment campus. The project’s lighting scope included improvements to the existing roadway and driveway lighting systems to improve worker safety. The design implemented LED fixtures equipped with photocell controls to automate the lighting system based on ambient levels. Lighting along the campus access road included toggle switches to bypass the photocell control to reduce light pollution due to the adjacent apartment complexes when not in use. The emergency lighting system included back-up battery packs and an NFPA 110 compliant standby generation system for extended outages. The emergency lighting system included emergency battery packs and provisions for portable generator connection during extended outages.

Thomas Price, PE (cont.)

05/22-Present	**SIPS – Greenland WTP GST No. 3 and Intertie Station, JEA, Jacksonville FL:** Electrical Engineer responsible for the design and construction of the upgrades at the Greenland Energy Center's campus. The project's lighting scope included the expansion of the existing lighting system to improve employee visibility and safety at roadway intersections and pedestrian foot paths. The design implemented LED fixtures equipped with photocell controls to improve energy efficiency and lighting quality. The emergency lighting system included back-up battery packs and an NFPA 110 compliant standby generation system for extended outages.
08/21-12/21	**Nelson Street at Interstate 10 Fiber Optic Project, JEA, Jacksonville FL:** Assisted the Project Manager and Electrical Engineer of Record responsible for contract management, design, permitting, and construction support. Responsibilities included detailed design and developing record drawings using MicroStation V8I, JEA GIS files and basic surveying. The scope of the project included the construction of two new electrical distribution structures, relocating an existing aerial fiber optic cable to pass under Interstate 10 via HDD and coordination between Mott Macdonald, Superior Construction, and JEA.
12/20-05/21	**New World Avenue Fiber Optic Conduits, JEA, Jacksonville FL:** Assisted the Project Manager and electrical engineer of record responsible for contract management, design, permitting, and construction support. The scope of the project included the implantation of fiber optic cable interconnecting the existing fiber optic infrastructure. Responsibilities included detailed design and developing record drawings using MicroStation V8I, JEA GIS files and basic surveying.
01/21-05/21	**San Jose FOC, JEA, Jacksonville FL:** Assisted the Project Manager and electrical engineer of record responsible for contract management, design, permitting, and construction support. Responsibilities included detailed design and developing record drawings using MicroStation V8I, JEA GIS files and basic surveying. The scope of the project included relocating an existing fiber optic cable to travel under the intersection of two highways via HDD.
08/20-01/21	**Nocatee Substation FOC, JEA, Jacksonville FL:** Assisted the Project Manager and electrical engineer of record responsible for contract management, design, permitting, and construction support. The scope of the project included the installation of fiber optic cable through an existing conduit system and the construction of a new conduit system to enclose an additional fiber optic cable. Both conduit systems travel under highway US-1. Responsibilities included detailed design and developing record drawings using MicroStation V8I, JEA GIS files and basic surveying.
01/20-02/21	**69kV Reconductor, JEA, Jacksonville FL:** Assisted the Project Manager and electrical engineer of record responsible for contract management, design, permitting, and construction support. The scope of the project includes detailed design for the replacement of a below grade 69kV circuit as well as the demolishment of the existing circuit. The circuit spanned approximately 1.5 miles traveling under major intersections via HDD. Responsibilities included detailed design, construction phase services, and drafting record drawings using MicroStation V8I, JEA GIS files and basic surveying. In addition, significant coordination efforts were provided between Mott MacDonald, JEA, the general contractor, and the subcontractors.

Firm employed by			
Name	**Walter Hill**	Years of relevant experience with this employer	2
Title	Designer III Electrical	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	AA/ 1994/ Electrical Engineering		
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Electrical and Lighting Detailer	

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).
	Walter's experience includes multi-discipline drafting and technical illustration using AutoCAD, MicroStation, OpenRoads Designer with some Civil 3D and Revit. Walter's experience also includes drafting Lighting and Electrical plans for civil projects including roadways, highways, water/wastewater treatment facilities, substations and compressor stations. In addition to drafting One Line Diagrams, Control Block Diagrams, Process and Instrumentation Diagrams.
8/2025-Present	**SR 20 Connector Phase 1, GDOT, Cartersville, GA:** Electrical Drafter responsible for the Electrical Design drawings of the placement of roadway lighting fixtures as well as the underground electrical conduits connecting them.
02/24-08/24	**Ponte Vedra WRF Upgrade, JEA, Ponte Vedra, FL:** Electrical Drafter responsible for the Electrical Design drawings for upgrades to the electrical and controls system of a 0.80 MGD Ponte Vedra WRF with a 800A MCC at 480Y/227VAC. The scope of the project included upgrades to a new 1600A MCC main-tie-main system and provided redundant feeders to each major process areas. Responsibilities included drafting Lighting Plans and Electrical Plans for the Blower Canopy, Blower Room, Electrical Room and the UV Disinfection Precast Electrical Building room. Also drafted Electrical Site Plans, Grounding and Lightning Plans, One Line Diagrams, Process and Instrumentation Diagrams, and Control Block diagrams.
01/24-Present	**Ridenour Reclaimed Water Re-Pump and Booster Pump Station and Ground Storage Tank, JEA, Jacksonville FL:** Electrical Drafter responsible for the Electrical Design drawings of a new reclaimed water combined re-pump and booster pump station. Responsibilities included drafting lighting and electrical plans for the Booster Pump Building in addition to Electrical Site Plans, Fire Alarm Plans, One Line Diagrams, Process and Instrumentation Diagrams, and Control Block diagrams.
01/24-Present	**RiverTown Reclaimed Water Booster Pump Station, JEA, Jacksonville, FL:** Electrical Drafter responsible for the Electrical Design drawings for a new reclaimed booster pump station. Responsibilities included drafting lighting and electrical plans for the Booster Pump Building in addition to Electrical Site Plans, One Line Diagrams, Process and Instrumentation Diagrams, and Control Block diagrams.
02/24-05/25	**Central Avenue Pump Station Valve Replacement, WSSC, Hyattsville, MD:** Electrical Drafter responsible for the Electrical Design drawings for upgrades for a water pumping station valve replacement. The project included the installation of six new sub-grade valve vaults including motorized actuators, heating, ventilation, and lighting. Responsibilities included drafting Lighting Plans and Electrical Plans for the Vaults, in addition to Electrical Site Plans, One Line Diagrams, Process and Instrumentation Diagrams, and Control Block diagrams.

Firm employed by			
Name	**Tyler Goss, EI**	Years of relevant experience with this employer	3
Title	Engineering Designer III Electrical	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS/ 2021/ Electrical Engineering		
Active registration number / state / expiration date		#EI.0035736/ LA/ 2026	
Year registered	2024	Discipline	Electical Engineering
Contract role(s) / brief description of responsibilities		Electrical and Lighting Inspector	

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).
	Tyler has worked on modular building and oil and gas design projects. His experience is in low-voltage power, pipeline instrumentation and controls, hazardous area classification, grounding and lightning protection, outdoor lighting, and fault calculations. Tyler has always worked across a multidiscipline team while balancing project timelines and budget.
04/25-Present	**Germania – ExxonMobil – Yazoo, Warren, and Hinds Counties, MS:** Lead Electrical Engineering Designer for two 36-mile, 24” pipelines feeding a new electrical substation with 100% redundant natural gas. Project included two metering and regulation facilities and two remotely controlled Main Line Valve sites. An electrical rack was designed for each site to accommodate power and controls equipment. Analyzers were implemented on each metering site. Power integration, fault calculations, hazardous area classification, grounding, lighting, and conduit/cable routing were designed for each site.
12/24-Present	**Yazoo – ExxonMobil – Yazoo County, MS:** Lead Electrical Engineering Designer for a 18.6 mile, 6” carbon dioxide (CO2) pipeline. Project included two metering and regulation facilities and a remotely controlled Main Line Valve site. An electrical rack was designed for each site to accommodate power and controls equipment. Analyzers were implemented on each metering site. Power integration, fault calculations, grounding, lighting, and conduit/cable routing were designed for each site.
06/23-07/24	**TransUnion – Boardwalk – Claiborne Parish, LA:** Lead Electrical Engineering Designer for a metering and regulation facility, over pressure protection site, and tie-in site. The meter and regulation facility required power integration, RTU and controls, a gas analyzer, hazardous area classification, grounding, and site lighting. The over pressure protection site required power integration, grounding, lighting, and RTU and controls for the pressure control valve and remotely controlled valves.
09/24-Present	**GPX Gas Supply Expansion Project – Golden Pass LNG – Sabine Pass, TX:** Lead Electrical Engineering Designer designing pressure control skids to regulate gas flow to an LNG plant. The skid design included lighting, hazardous area classification, grounding, conduit routing, and actuator instrumentation and controls. Other engineering services included low voltage power integration, fiber-optic design, new and existing cable tray integration, lightning protection, and power studies.
02/23-Present	**Confidential 122 mile - 30” Pipeline Project:** Lead Electrical Engineering Designer for a 122 mile, 30” pipeline feeding a power plant converting from coal to natural gas. Engineering services included the design of eight remotely controlled valve sites. Each site required an electrical actuator with a dedicated UPS, battery backup, and solar panel. Sites also required an RTU building design, hazardous area classification, and grounding.

Tyler Goss, EI (cont.)

04/22-06/25	**2023 RCV Upgrades / 2024 RCV Upgrades – Enbridge – Multiple States:** Lead Electrical Engineering Designer simultaneously upgrading 10 to 15 manual Main Line Valves for remote control each year. Different sites integrated utility power, solar power, or thermo-electric generators to meet their electrical needs. Sites also integrated RTU's with UPS backup as well as VSAT communications.
07/22-07/23	**Lemont Dehy – Oneok – Joliet, IL:** Electrical Engineering Designer designing an automated dehydration skid for a natural gas storage facility including a cooling fan and pump. Engineering services included power integration, instrumentation and controls, and grounding.
01/23-11/23	**Henderson – Boardwalk – Henderson, KY:** Lead Electrical Engineering Designer designing a meter skid and communications tower. Engineering services included power integration, instrumentation and controls, hazardous area classification, and grounding.
10/23-11/24	**Guernsey – TransCanada Energy – Guernsey County, OH:** Lead Electrical Engineering Designer integrating a filter/separator, pig launcher, and condensate tank into an existing facility. Engineering services included upgrading existing power distribution equipment, as well as hazardous area classification, heat trace, and grounding.
08/23-03/24	**Crawford – TransCanada Energy – Fairfield and Hocking Counties, OH:** Lead Electrical Engineering Designer integrating a filter/separator and pig launcher into the existing Crawford Compressor Station. Engineering services included demoing and upgrading existing RTU and controls equipment, as well as power integration, hazardous area classification, and grounding.
03/25-07/25	**Caliche – Golden Pass LNG – Orange County, TX:** Lead Electrical Engineering Designer performing documentation gap analysis. Reviewed site document catalog for missing safety and design documents before meter/regulation station start-up. Performed high-level review of documents for safety and design issues.

Firm employed by	Mott MacDonald		
Name	**Bart Hendricks, PE**	Years of relevant experience with this employer	25
Title	Principal Project Engineer Structural	Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization	MS/ 1996/ Civil Engineering; BS/ 1992/ Civil Engineering; BS/ 1989/ Mathematics		
Active registration number / state / expiration date	#0040374/ LA/ 2026		
Year registered	2015	Discipline	Professional Engineer - Structural Engineer
Contract role(s) / brief description of responsibilities	Structural Task Lead/Detail Checker		

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).
	Bart serves as a principal engineer in Mott MacDonald’s structural engineering department. His professional experience includes structural design, load rating and inspection of pedestrian and transportation structures including concrete and timber fishing piers and docks, concrete, steel and timber bridges and box culverts for vehicles and pedestrians as well as the design of miscellaneous structures associated with transportation and pedestrian projects. Mr. Hendricks is a qualified team leader for NBI bridge inspections and has performed emergency inspection, repair, and rehabilitation design services following major storm events.
03/20- Present	**SP H.010673 Harvey Canal Tunnel Rehabilitation, LADOTD, Jefferson Parish, LA:** Structural Engineer of Record for the concrete overlay of the Harvey Canal Tunnel and approach roadways. The design uses an unbonded concrete overlay for 932’ long x 44’ wide poor condition approach roadway to minimize reflective cracking. The design uses a bonded concrete overlay for 1,080’ long x 44’ wide tunnel roadway. The project included replacement of drainage structures and rehabilitation of concrete walls and steps.
2025	**SR 10 (US 90) Over Chipola River, FDOT D3, Jackson County, FL:** Structural Engineer of Record for BDR development and final design of a 445’-0” long x 77’-11” wide replacement bridge over the Chipola River. The structure uses FIB-45 beams supported by cast-in-place concrete pile caps and 48” diameter drilled shafts. The design includes a 6’-0” sidewalk on the north side and a 12’-0” shared use path on the south side along with decorative pedestrian lighting along the bridge and custom decorative railing. Traffic during construction will be maintained using a 750’-0” long 2~lane temporary bridge with sidewalk. The project includes construction of a 72” diameter stormwater line and outfall structure and the replacement of water and sewer lines which must be supported by the temporary bridge during construction and moved to the new bridge with limited outages. Project included a study of the existing lighting available and the possibility of adding luminaires to existing power poles.
2017	**12th Avenue Bridge Replacement over Bayou Texar, FDOT D3, Pensacola, FL:** Project Manager and Engineer of Record for BDR development, final design and load rating of a 116’ long x78’ wide, three span bridge utilizing a prestressed flat with composite topping superstructure supported by precast concrete pile caps and 18” square piles. The bridge design included a pedestrian lighting study and the design of precast concrete bridge lighting pedestals to allow installation of decorative bridge lighting.
2021	**Massalina Bayou Bridges Aesthetic Lighting, City of Panama City, FL:** Engineer of Record for the bridge structural evaluations, development of lighting support details, and preliminary plans report for adding aesthetic and street lighting to the Beach Drive over Massalina Bayou Bridge and the 4th Street over Massalina Bayou Bridge.

Bart Hendricks, PE (cont.)

Firm employed by	Mott MacDonald
2025	**Pensacola Bay Fishing Bridge, Escambia County, Pensacola, FL:** Structural Engineer of Record and Project Manager for a new 24-foot wide by 2,576-foot long drive-on fishing bridge to replace the pier that was severely damaged by derelict construction barges during Hurricane Sally. The FEMA funded replacement pier and approach are designed for a 90 psf pedestrian / H-10 light traffic loading and hurricane storm surge. The structure consists of precast concrete piles, caps and double-tee deck. Pedestrian deck lighting supported on precast concrete light pedestals is designed for one side of the bridge and underdeck fishing lights supported on steel swing arms is designed for the other side of the bridge.
2025	**Bob Sikes South Fishing Pier, Escambia County, Pensacola, FL:** Structural Engineer of Record and Project Manager for the rehabilitation of a 1,650'-0" x 26'-10" wide fishing pier over the Gulf Intracoastal Waterway. The project if funded by two grants and includes concrete pile jackets, concrete spall repairs, addition of passive cathodic protection, partial demolition, replacing existing traffic railing with ADA pedestrian railing and the addition of regulatory and informational signage. A lighting study was performed to evaluate the most cost effective means to provide pedestrian egress lighting and resulted in the design of solar powered luminaires on 30' deck supported light poles.
2021-2022	**Port of Wilmington South Gate Complex Upgrades, NCSPA, Wilmington, NC:** Structural Engineer of Record for a 8,165 SF, 2-story Control Building and Guard Building, and foundations for high mast lighting, OCR Portals, Cargo RPM Stands, CAVSS Cameras/ROHN Tower, surface mounted bollards, T-Poles, CBP Booth, OCR Barn, Inbound Canopy, and Outbound Canopy.
2023-2024	**Mobile River Bridge and Bayway, ALDOT, Mobile, AL:** Structural Engineer of Record for the initial Type, Size, and Location (TS&L) plans for the 7.2 mile long parallel bridges crossing the Mobile Bay. Design included supports for pole mounted bridge deck lighting. The project delivery method began as Design Bid Build but is currently a Progressive Design Build project. Currently serving as part of the Owner's Design Representative reviewing the design, plans, and shop drawings.
2004	**SR 87 from CR 184 to SR 10, FDOT D3, Santa Rosa County, FL:** Engineer of Record for concrete walls retaining the I-10 overpass concrete slope protection, concrete gravity walls, high mast lighting foundations and concrete strain poles for span wire signal supports.
2006	**I-10 at I-110, FDOT D3, Escambia County, FL:** Structural Engineer of Record for multiple overhead sign and lighting structures
2018	**Girvin Road, Jacksonville Transportation Authority (JTA), Duval County, FL:** Structural Engineer of Record for mast arms with luminaires and a retaining wall. Assisted with the drainage design and plans preparation.
2019	**SR 30 (US 98) – Okaloosa County Line to Tang O Mar Drive, FDOT D3, Walton County, FL:** Structural Engineer of Record for 17 mast arm with luminaire designs and 1,045 linear feet of non-standard gravity wall utilized around two retention ponds to reduce wetland impacts for a 3.4-mile project along the Emerald Coast in the panhandle serving as the primary access to the commercial and resort developments along the beaches.
2006	**SR 10A (Mobile Highway) at Shoemaker, FDOT D3, Escambia County, FL:** Engineer of Record for the design of non-standard concrete gravity walls and the arms, poles, luminaires, and foundations for the non-standard mast arm signalized intersection.

Firm employed by	Mott MacDonald		
Name	**Lowry Denty, PE, SI**	Years of relevant experience with this employer	29
Title	Principal Project Manager Structural	Years of relevant experience with other employer(s)	3
Degree(s) / Years / Specialization	BS/ 1993/ Civil Engineering		
Active registration number / state / expiration date	#38440/ LA/ 3/31/2026		
Year registered	2013	Discipline	Professional Engineer - Civil Engineer | Special Inspector #2020, 2001
Contract role(s) / brief description of responsibilities	QA/QC Technical Advisory - Structural		

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).
	Lowry is a principal project manager, principal structural engineer, and special inspector involved in all aspects of project oversight, management, programming, design, administration, and threshold inspections for local, state, and federal clients. His broad base of structural engineering experience includes structural design and construction administration for port infrastructure and facilities, aviation facilities, and bridges/boardwalks throughout the Southeastern US. As a technical advisor he is responsible for providing structural technical oversight and quality assurance.
07/24-07/2525	**NCDOT Rail Division Capital Yard Lighting, Raleigh, NC:** Structural Engineer of Record for new direct bury precast concrete light poles for the NCDOT Capital Yard. The Capital Yard contains offices for NCDOT staff, rail maintenance facilities, and rail equipment storage facilities. The NCDOT Rail Division identified a need for additional lighting for portions of the yard between tracks 3 and 4.
04/24-09/25	**North Carolina State Port Authority Intermodal Yard Improvements, Port of Wilmington, NC:** Structural Engineer of Record for new high mast lighting foundations throughout the yard. The light poles are 100-foot tall and are supported on 34-inch by 24-foot concrete cased drilled shafts.
06/24-10/25	**North Carolina State Port Authority Reefer Service Area Improvements, Port of Wilmington, NC:** Structural Engineer of Record for new canopy for the Port’s reefer service area. The structural steel canopy has minimum 20ft clearance supporting lighting for six travel lanes. The structures foundations were originally designed on deep drilled shaft. However, due to utility and other conflicts on the site the foundations were redesigned to shallow foundations.
07/23-10/25	**North Carolina State Port Authority South Gate Overhead Sign Structure, Port of Wilmington, NC:** Structural Engineer of Record for a new 100-foot span overhead steel sign structure spanning four travel lanes into and out of the Port’s South Gate. The structure meets NCDOT specifications for overhead sign structures using all tubular steel members for the chords, webs, and support columns. The structure is supported on 54-inch diameter cased concrete drilled shafts.
03/12-04/12	**Robins Air Force Base Cargo Hanger Parking Lot Lighting, USACE, Warner Robins, GA:** Structural Engineer of Record for new parking lot light pole foundations. Project consists of new 146 space parking lot with lighting, sidewalks, and access loop connecting two cargo hanger aprons. The lighting consists of single, double, and quad luminaries on 25ft tall poles. All poles are supported on 18-inch diameter precast concrete shafts that vary in depth for the differing luminary configurations. A wind analysis was performed to determine base reactions in order to calculate the proper foundation embedments.
06/14-01/17	**Port Tampa Bay Eastport Development Dock Improvements, Tampa, FL:** Construction Project Manager for a new multipurpose berth approximately 1,400 linear feet in length having previously been dredged by the Port to a navigational depth maintained at -43’ that will accommodate bulk cargo ships and Panamax general cargo and Ro/Ro ships. The site includes an approximately 20-acre cargo yard with new 100ft high mast lights throughout the yead. The project included the relocation of Rockport Road with utility coordination and relocation.

Firm employed by	Mott MacDonald		
Name	**Yomaima Szeliga, PE**	Years of relevant experience with this employer	11
Title	Senior Project Engineer Structural	Years of relevant experience with other employer(s)	4
Degree(s) / Years / Specialization	MS/ 2012/ Civil Engineering - Structural; BS/ 2010/ Civil Engineering		
Active registration number / state / expiration date	#82977/ FL/ 2027		
Year registered	2018	Discipline	Professional Engineer - Civil Engineering
Contract role(s) / brief description of responsibilities	Structural QC/Design Checker		

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).
	Yomaima is a project manager and structural engineer involved in various types of projects. Her involvement on large scale aviation projects includes varying capacities from program management, preparation of design-building bridging documents, project and construction management to owner’s representative roles. Her experiences include working on projects for multiple municipalities and transportation authorities. Yomaima’s professional design experience also includes structural design, load rating and inspection of pedestrian and transportation structures including concrete and timber fishing piers, concrete and timber bridges and box culverts for vehicles and pedestrians as well as the design of miscellaneous structures associated with transportation and drainage projects. Her ability to integrate management skills with a knowledge of various engineering disciplines enables her to effectively communicate to clients and fellow colleagues and manage multi-discipline teams. Yomaima is fluent in Spanish, English and an intermediate amount of French languages.
03/20-Present	**SP H.010673 Harvey Canal Tunnel Rehabilitation, LADOTD, Jefferson Parish, LA:** Project Engineer responsible for the performing a variety of professional design services for the LADOTD to rehabilitate the Harvey Tunnel, including civil and structural. Design plans include repair of concrete defects, design of leak remediation solutions and roadway resurfacing.
08/22-Present	**Airbus A220, Mobile, AL:** Project Manager and program structural lead for the A220 Hangar project. Our role as the lead design manager consists of planning, programming, developing technical bridging documents and overseeing all design aspects of the project. This includes procurement of design consultants, production of drawings and specifications, peer reviews of design submittals as part of the owner’s representative role in this progressive design-built effort. The project includes a 4- bay aircraft hangar optimized for A220 aircrafts as well as A320 aircrafts used for flow line activities.
08/22-04/25	**Airbus Delivery Center Expansion, Mobile, AL:** Project Manager and program structural lead for the expansion of the existing delivery center. This center plays a pivotal role in facilitating the handover of newly manufactured aircrafts to customers, ensuring a seamless transition from production to operation. Our role as the lead design manager consists of planning, programming, developing technical bridging documents and overseeing all design aspects of the project. This includes procurement of design consultants, production of drawings and specifications, peer reviews of design submittals as part of the owner’s representative role in this progressive design-built effort.
07/22-Present	**Airbus Dual Bay Hangars, Mobile, AL:** Project Manager and program structural lead for the Dual Bays Hangar project. Our role as the lead design manager consists of planning, programming, developing technical bridging documents and overseeing all design aspects of the project. This includes procurement of design consultants, production of drawings and specifications, peer reviews of design submittals as part of the owner’s representative role in this progressive design-built effort. The project includes two bay hangars, a fire containment tank, all associated site utilities, aprons, taxiways, and a two-story administrative annex. The dual bay hangars are used in the final manufacturing fit outs optimized for A320/A321 aircrafts at Brookley Field.

Yomaima Szeliga, PE (cont.)

07/22-08/25	**Airbus Gauging Hangar, Mobile, AL:** Project Manager and program structural lead for Gauging Hangar optimized for an A320/A321 aircraft. Our role as the lead design manager consists of planning, programming, developing technical bridging documents and overseeing all design aspects of the project. This includes procurement of design consultants, production of drawings and specifications, peer reviews of design submittals as part of the owner's representative role in this progressive design-built effort.
03/25-09/25	**Meigs Park Improvement, Okaloosa County, FL:** Project Manager for Meigs Park Improvement project. This project will construct an ADA compliant turf Miracle League Field, asphalt walking path, Miracle League style playground, pavilion building, and restroom building. Our team worked closely with the City and County on grant funding and the park masterplan.
09/24-Present	**Veteran's Park East Lobe Expansion, Okaloosa County, FL:** Project Manager for the design and construction of the Veterans memorial park expansion. The expansion will include walking paths, a boardwalk and four additional monuments.
07/14-07/19	**SR87 over Yellow River (Santa Rosa County, FL:** Structural Engineer for BDR development, load rating and final design of a 4,751'-3" long x 49'-0" wide bridge consisting of 53~spans utilizing FIB 45 beams supported by conventional concrete pile caps and 24" prestressed concrete piles. The cross-section included a pedestrian path and a boat launch area. The project was constructed over an environmentally sensitive river and wetlands using a temporary work bridge and both design and construction complied with numerous environmental commitments.
08/19	**Bob Sikes Bridge Inspection and Repairs:** Structural Engineer. Performed multiple inspections and designed emergency repairs for the bridge's fender system and fishing pier, including providing emergency response services, field inspections, structural lateral and vertical analysis, engineering design, and quality control for construction documents and plans related to damaged concrete piles, pedestrian railing, abutment slope protection, cathodic protection, and concrete crack and spall in beams, caps, and piles.

Firm employed by	Mott MacDonald		
Name	**Ryan Brainard, PE**	Years of relevant experience with this employer	8
Title	Project Engineer Bridges	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BS/ 2017/ Civil Engineering; AS/ 2013/ Pre-Engineering		
Active registration number / state / expiration date	#93828/ FL/ 2027		
Year registered	2022	Discipline	Professional Engineer - Civil Engineer
Contract role(s) / brief description of responsibilities	Structural Designer		

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).
	Ryan is a Project Engineer with the Mott MacDonald structural department where he has accrued experience on several projects including bridges, roadways, tunnels, and associated structures. He’s gained familiarity working with clients such as the Florida Department of Transportation, the Jacksonville Transportation Authority, and other state and local municipalities.
11/21-Present	**US90Z Harvey Canal Tunnel Rehabilitation, LADOTD, Jefferson Parish, LA:** This project involved the repair and rehabilitation of the Harvey Canal tunnel, approaches, drainage, and retaining walls. Tasks performed include resurfacing the 430’ approach slabs, designing a drainage mat system to capture seepage below the approaches, rehab of the tunnel drain system for capturing runoff, retaining wall crack rehab, designing new approach slabs at the ends of the project to transition to the roadway, and designing ADA handrails for use in the tunnel walkways and ventilation shaft entrances. Mott MacDonald took into consideration the poor soil conditions on site as well as well as existing timber piles and other structures that could require plan modifications. By working with contractors on site, Mott MacDonald reached solutions for each challenge as it was presented to minimize construction delays and tunnel closure time.
04/25-Present	**SR 20 Connector, GDOT, Bartow County, GA:** This project involves the redesign of the SR20 connector in Georgia, including new roadway design and widening, box culvert extension, new bridge design, and high mast lighting along the corridor. Primary tasks include box culvert extension analysis and high mast lighting foundation design in accordance with GDOT standards. This project also includes several MSE walls, which are being reviewed for compliance with applicable state standards.
03/19-08/20	**Port of Wilmington South Gate Complex Upgrades, North Carolina State Ports Authority, New Hanover County, NC:** Main designer for a series of bollard protected high mast lights on drilled shaft foundations. This project involved the design of a two-story steel framed building with CMU walls, metal panel walls, and CMU veneer, as well as the design of a small steel and concrete guard building and high mast lights. Tasks performed include design of the high mast light foundations and shop drawing reviews for the structures to ensure accuracy and ADA compliance. Carefully designed the structures to withstand wind and seismic loads in accordance with applicable codes. The high mast light foundations were designed for 90’ tall light poles and capable of withstanding wind loads determined by ASCE 7-10.

Ryan Brainard, PE (cont.)

Firm employed by	Mott MacDonald
03/22-05/24	**Bob Sikes Bridge Redundant Water Line, ECUA, Escambia County, FL:** Engineer of Record for the design and construction of a 12" suspended ductile iron water line connected to the Bob Sikes bridge and spanning 3600' to connect Gulf Breeze and Pensacola Beach. The design utilized pipe rollers to allow expansion and contraction of the line and stainless steel materials due to the harsh saltwater environment. The design also included concrete thrust blocks, which were designed to handle the water force where the pipe connected from the bridge to the ground while still fitting between the northbound and southbound bridges. Worked with the Escambia County Utilities Authority and the U.S. Coast Guard to install the pipeline outside of tourist season while minimizing disruptions to local automobile and boat traffic.
10/23-Present	**SR10 over Chipola River Bridge Replacement, FDOT District 3, Jackson County, FL:** Project Engineer involved with the design of a 445' replacement bridge featuring four 11' travel lanes, a sidewalk and multi-use path, and a pipe support system for two 14" ductile iron pipelines. The project uses phased construction and a temporary ACROW bridge system for traffic diversion, along with temporary retaining walls. The soil conditions and adjacent structures dictated the use of drilled shafts in design to minimize soil disturbance. Also Engineer of Record for the new pipe suspension system as well as a temporary pipe support system on the ACROW bridge.
07/17-04/23	**SR 77 from 1 Mile South of Wausau to 1 mile north of Wausau, FDOT District 3, Washington County, FL:** Bridge Designer involved with drafting, design, and cost analysis. This 3.5-mile capacity project at its inception consisted of the design for a new four-lane bypass of SR 77 around the east side of the community of Wausau on new alignment. The new four lane rural typical section consists of two 12' travel lanes, 10' outside shoulders (5' paved), and 8' inside shoulders in each direction separated by a 40' grassed median north and south of Wausau where the project has now been converted to be Design-Build. For the Wausau segment, after 30% plans for the eastern alignment were prepared, an extensive VE study was performed and avoidance of impacts to Florida Gas Transmission Mains became the primary cost saving focus. Mott MacDonald then assisted the Department in a re-evaluation effort including cost estimation, several public meetings and hearings and an alignment evaluation of western and thru town options. After an extensive public hearing and input process, the new project design will transition the typical section and widen the existing alignment thru downtown Wausau with a hybrid urban 4 lane typical section. Mott MacDonald has been responsible for all survey, roadway, drainage and bridge designs for the project.
07/17-06/18	**Gulf Coast Parkway, FDOT District 3, Bay County, FL:** Bridge Designer involved with drafting, design, and cost analysis. This capacity project involves the design of a new alignment for 6.7 miles of a rural two lane facility with a shared use path, connecting SR 22 and CR 2315 (Star Avenue). Five stormwater facilities, along with the right-of-way, were designed and set to accommodate the future 4-laning of this section of roadway. This project was one of several segments that combine to make Gulf Coast Parkway. Heavy coordination efforts were required to ensure a smooth connection with adjacent segments that were being designed simultaneously. Responsibilities include project management activities as well as roadway design.
08/17-11/17	**Widening and Resurfacing of County Farm Road and McDonald Road, Mobile County Commission, Mobile, AL:** Bridge Designer. Mobile County Commission contracted Mott MacDonald to improve County Farm Road and McDonald Road in support of "Project Beverly". Project involved widening and resurfacing of 1100' of County Farm Road followed by realigning and extending 2300' of roadway as well as widening and resurfacing 200' of McDonald Road followed by realigning and extending 1300' of roadway. Confidential at the time, the Mobile County Commission was anticipating high commercial truck traffic associated with the development and operation of the Walmart Distribution Center; the project includes rehabilitation of existing asphalt roadways, grade, drain, base and pave of new alignment as well as existing dirt roadways, install of a cul-de-sac, and drainage improvements within an environmentally sensitive area.

Firm employed by	Mott MacDonald		
Name	**Charles Loyed**	Years of relevant experience with this employer	32
Title	Senior Specialist Transportation	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization	AS/ 1983/ Drafting and Design Technology		
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Structural CAD Operator	

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).
	Charles is a senior transportation designer with experience in municipal multi-lane urban and rural design projects. He is commonly responsible for the development of horizontal and vertical alignments, data collection, public involvement, quality control, traffic control plans, and intersection design. Charles is experienced in the use of numerous computer programs including Geopak, MicroStation and Geopak Criteria, as well as others that aid in the plan preparation for our design projects.
06/23-11/25	**SR 10 (US 90) Over Chipola River, FDOT D3, Jackson County, FL:** As Senior Designer, responsible for developing the horizontal and vertical alignments for a major bridge replacement spanning 445 feet in length and 77 feet 11 inches in width. Key contributions included producing typical sections and detailed roadway plans, which incorporated bridge deck lighting layouts to enhance pedestrian safety and visual appeal. Also assisted in calculating construction quantities and preparing cost estimates to support project budgeting and delivery. Additionally, collaborated closely with structural engineers, utility coordinators, and lighting designers for seamless integration of multimodal features and infrastructure upgrades.
06/10-07/13	**12th Avenue Bridge Replacement over Bayou Texar, FDOT D3, Pensacola, FL:** As Senior Designer, supported the design team in replacing a functionally obsolete bridge in Pensacola, Florida, following Florida Green Book and AASHTO standards. The project included additional design elements requested by the City of Pensacola to improve functionality and aesthetics, such as a pedestrian lighting study and the design of precast concrete bridge lighting pedestals for decorative lighting installation. Responsibilities involved assisting in establishing design speed and developing horizontal and vertical alignments to accommodate the new bridge typical section. Contributed to the preparation of roadway plans, stormwater design, signing and pavement marking, erosion control, and survey/mapping documentation. Also participated in wetland delineation, permitting, and coordination of utility relocations, including joint participation and maintenance agreements. In addition, supported public involvement efforts to incorporate community input and maintain transparency throughout the design process.
06/10-03/12	**SR 87 Connector Road, FDOT District 3, Santa Rosa County, FL:** As Senior Designer, led transportation design efforts for approximately three miles of new roadway alignment, including a one-mile-long bridge span over the Blackwater River. The alignment traversed both existing roadways and undeveloped terrain, requiring extensive survey coordination and design integration. I oversaw the collection and processing of survey data, utilizing aerial LiDAR for the majority of the Digital Terrain Model (DTM) and hydrographic methods for mapping the riverbed at the crossing. I delivered comprehensive existing conditions mapping, including roadway alignment, right-of-way boundaries, signage, striping, and topographic features. Additionally, saw that all survey data was accurately processed, submitted, and approved for use in the final design.

Charles Loyed (cont.)

Firm employed by	Mott MacDonald
06/10-07/14	**SR 87 Segment 7 Plans Update, FDOT District 3, Santa Rosa County, FL:** As Senior Designer contributed to the expansion of approximately 4.1 miles of roadway from two miles south of the Yellow River to CR 184. The project featured access management strategies, enhancements to a public boat launch area, and the design of a new 4,800-foot parallel sister bridge over the Yellow River. Responsibilities included developing detailed maintenance of traffic (MOT) plans, designing open and closed drainage systems, and implementing comprehensive stormwater management solutions. Supported the bridge structure and roadway alignment design, including coordination with Eglin Air Force Base (AFB) for easement acquisition on federally owned property. Additionally, integrated multimodal access improvements and recreational features to support community use and environmental goals.

Firm employed by	Mott MacDonald		
Name	**Mansoor Bajwa, EI**	Years of relevant experience with this employer	1
Title	Inspector IV -	Years of relevant experience with other employer(s)	18
Degree(s) / Years / Specialization	BA / 1978/ Civil Engineering		
Active registration number / state / expiration date		#EI 41304 / MA / N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Construction Support Structural Inspector	

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).
	Mansoor brings over 30 years of experience in construction engineering and inspection, with a Civil Engineering degree from the University of Engineering & Technology in Lahore. A certified LADOTD inspector, he is qualified in asphalt and concrete paving, field testing, and structural concrete, and has extensive experience using LADOTD SiteManager for documentation and pay item tracking. His career spans roadway, interstate, bridge, drainage, and utility projects, where he has consistently upheld quality assurance, contract compliance, and accurate reporting. In addition, Mansoor holds ATSSA certifications as a Traffic Control Supervisor, Technician, and Flagger, enabling him to oversee traffic safety and control operations during construction.
10/20-08/21	**SP No. H.009250: I-10, Highland Road (LA 42) to LA 73 Lane Additions, East Baton Rouge Parish, LA:** Inspector on this major interstate widening project, overseeing construction of seven miles of new lanes in both directions. Responsibilities included monitoring contractor compliance with LADOTD standards, documenting quantities in SiteManager, and applying TCS certification to observe traffic control operations and ensure safety for interstate motorists.
01/16-12/17	**SP No. H.010659.5: Rafe Meyer Bridges Reconstruction, LADOTD, Baker, LA:** Provided construction inspection services for the demolition and reconstruction of two off system bridges in East Baton Rouge Parish. The project scope included precast concrete pile driving, cast in place concrete bents, decks, approach slabs, safety rails, and asphaltic concrete roadway transitions. Responsible for quality assurance inspection, monitoring construction activities for conformance with LADOTD contract documents, maintaining daily records of quantities, and coordinating field testing. Role also included documenting inspection activities in LADOTD SiteManager and applying his Traffic Control Supervisor (TCS) certification to observe traffic control operations and ensure safety during construction sequencing.
12/19-10/20	**SP No. H.011540.6: Babin Road Bridge Reconstruction, LADOTD, Gonzales, LA:** Served as Lead Inspector for the demolition and reconstruction of an off-system bridge in Ascension Parish. The project scope included precast concrete pile driving, cast-in-place concrete bents, decks, approach slabs, safety rails, and asphaltic concrete roadway transitions. Responsible for quality assurance inspection services, monitoring construction activities for conformance with LADOTD contract documents, preparing daily diaries, maintaining work quantity records, reviewing pay estimates, and coordinating testing services. All inspection activities were documented in LADOTD SiteManager, and his Traffic Control Supervisor (TCS) certification was applied to oversee traffic control operations and ensure safety throughout construction sequencing.
01/18-12/19	**SP No H.010661.6: N Bridge Reconstruction Projects (Rafe Meyer Bridges, N. Flannery/Firewood/Cloverland Bridges, Babin Road Bridge):** Lead and senior inspector for multiple bridge replacement projects across East Baton Rouge and Ascension Parishes. Responsibilities included monitoring pile driving, concrete bents, decks, approach slabs, safety rails, and roadway transitions. Documented inspection activities in SiteManager and observed traffic control operations under TCS certification to oversee safety during construction sequencing.

Mansoor Bajwa, EI (cont.)

Firm employed by	Mott MacDonald
06/21-04/22	**Severn Avenue: Veterans to W. Esplanade, Jefferson Parish, LA:** Inspector for this $14 million PCC roadway project including drainage trunk lines, PCC paving, ADA intersections, and new decorative street lighting. Duties included monitoring contractor compliance, maintaining records of pay items, and documenting daily activities in SiteManager. TCS certification was applied to oversee traffic control and pedestrian safety during construction.
07/13-11/14	**SP No. H.010734: P2P – Baronne, Burgundy, and South Peters Streets, LADOTD, New Orleans, LA:** Served as Senior Construction Inspector for this roadway improvement project, which included asphaltic concrete pavement, PCC pavement, patching, ADA-compliant ramps, and pavement markings. Responsible for monitoring contractor activities adhering to compliance with approved plans, specifications, and city standards, calculating work quantities, and documenting progress in Daily Reports. He also performed field acceptance testing and material sampling in accordance with the LADOTD Sampling Plan, upholding quality assurance for all project components. Inspection activities were tracked in LADOTD SiteManager, and his Traffic Control Supervisor (TCS) certification was applied to oversee traffic control operations and maintain safety during construction.
07/12-09/12	**SP H.009718: Submerged Roads, LADOTD, New Orleans, LA:** Construction Inspector II overseeing asphaltic concrete pavement, PCC pavement, ADA-compliant ramps, and pavement markings. Conducted field acceptance testing- and material sampling in accordance with LADOTD's Sampling Plan, ensuring quality assurance on roadway and lighting elements. Documented all inspection activities in SiteManager and observed traffic control operations under TCS certification.
09/12-07/13	**SP H.009459: French Quarter Street Overlay, LADOTD, New Orleans, LA:** Senior Construction Inspector monitoring asphaltic and PCC pavement, ADA ramps, and pavement markings. Performed field acceptance testing and sampling to implement LADOTD's Sampling Plan, adhereing to compliance and quality assurance for roadway and lighting upgrades. Oversaw traffic control measures during construction using TCS certification.

Firm employed by	Mott MacDonald		
Name	**Mohan Garakhalli, PE, PTOE**	Years of relevant experience with this employer	1
Title	Principal Project Manager Transportation	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization	MS/ 2000/ Civil Engineering; BS/ 1992/ Civil Engineering		
Active registration number / state / expiration date		67909/ CA/ 2027	
Year registered	2005	Discipline	Professional Engineer - Civil Engineering
Active registration number / state / expiration date		1652/ 2026	
Year registered	2005	Discipline	Professional Traffic Operations Engineer
Contract role(s) / brief description of responsibilities		QA/QC Technical Advisory - Traffic	

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).
	Mohan is a highly experienced transportation manager with a proven track record in leading and delivering complex projects. He has a deep understanding of project development, program management, safety, environmental studies, and traffic impact analyses. Mohan has developed and introduced innovative management, communication and analysis techniques to deliver challenging projects on time. His familiarity with various state DOTs and FHWA processes has been instrumental in successfully completing numerous program and project management intitatives on tight schedules.
01/19-05/23	**Design-Build and Program Management for Peña Boulevard Phase 1 – Jackson Gap to Terminal, Denver International Airport (DEN):** Served as the program management senior lead for the design-build services for Peña Boulevard reconstruction. Phase 1 of the Peña Boulevard Project is from Jackson Gap Road to the Terminal with full reconstruction and widening of Peña Boulevard. The split between east and west terminals will also be shifted to reduce weaving conflicts. Helped direct the DB RFP’s technical requirements, defined TCP specs, reviewed the sign inventory for all Peña and public roadways, directed the production of traffic guide sign mapping, and provided interim ITS infrastructure development guidance
04/20-02/24	**I-15 Tropicana Design-Build, Nevada Department of Transportation, NV:** Responsibilities included leading the traffic operations tasks during design and planning. Led the development of temporary TCPs, ATCs and multiple design improvements throughout the lifecycle of the design-build project for Nevada’s busiest interchange in the heart of the Vegas business/tourist district. Led the transportation team, coordinated with public agency leads, and interfaced with various stakeholders to communicate technical findings and the progress of the project.
09/19-04/21	**CDOT Program Management Services, Statewide, Colorado:** Senior technical advisor for the Project Management Office (PMO) to help standardize, develop, and support the tools and processes necessary for the PMO to make effective business decisions. This includes developing and supporting advanced project and program data analytics. The team was tasked with creating guidance to standardize and prioritize the funding, forecasting and maintenance of current assets statewide in addition to standardizing current project management practices statewide.
07/18-03/22	**I-25 North Design Build, CDOT, CO:** This I-25 design-build project included complete traffic operations analysis for opening day and long-term forecasts, development of traffic control plans, all design drawings, specifications, and contract documents for a 17-mile-long corridor. The project also consisted of mobility hub feasibility analysis and integration of regional planning efforts in to a seamless improvement roadmap for I-25. Responsible for the review of project plan sets, project controls, documentation, team coordination and project delivery.

Mohan Garakhalli, PE (cont.)

Firm employed by	Mott MacDonald
04/21-05/23	**Vision Zero Speed Limit Feasibility Study, City and County of Denver, CO:** As Project Director. functioned as a senior manager for a feasibility study to understand the implications of implementing a citywide speed limit reduction on local residential streets from 25 mph to 20 mph. The feasibility study included reviewing best practices from peer cities, identifying proven countermeasures for speed compliance and reduction of high-end speeders, defining slow zones, safety zones, and identifying candidate arterial corridors for signing/stiping application all through an equity lens. The project required significant stakeholder coordination with internal Denver departments as well as coordination with neighboring municipalities, advocacy groups, NACTO, and representatives from the Mayor's Office and City Council. An implementation plan was developed, cost estimates were provided, and policy changes were recommended to implement the changes identified in the feasibility study.
02/22- Present	**Interstate 45 Improvement Program Management, Various Counties, Texas, TXDOT:** Functioned as a senior manager for this program management task designed to plan, document, program and construct improvements for nearly 115 miles of Interstate 45 northwest of Houston, Texas. Created uniform operating procedure for a large project team that included five other consulting firms. Led development of program control procedures, federal and state compliant reports, communicated with public and stakeholders to deliver study milestones on schedule. The complexity of the program management was amplified due to the project development for various study segments being progressed on an asynchronus schedule by just as many project teams. Proactive coordination and planning helped unify the various efforts to help deliver milestones on an aggressive schedule.
01/19-07/19	**Dedicated Short Range Communication Deployment Build Grant, Colorado Department of Transportation, CO:** Provided senior technical support and oversight for the research and analysis tasks for the grant initiative. This included analysis of the impact of the Dedicated Short Range Communication (DSRC) deployment on safety and operations along approximately 400 miles of state facilities, along with review of the proposed DSRC system and its benefit-cost analysis. A custom-built demand prediction model derived from DRCOG's Focus model was created to estimate the influence and benefits of DSRC along approximately 400 miles of highways throughout urban, regional, and rural Colorado.
05/21-09/23	**Evaluation of Smart Mobility Systems, Houston, City of Houston, Texas:** Served as senior technical manager to help develop an analysis framework and analysis tools to evaluate the impact of various smart mobility systems for the entire metro area of the City of Houston. The analysis framework recommended analysis procedures, tools, traffic control strategies, additional resources, and performance evaluation procedures. Analysis tools included data dashboards that unified available existing data, a custom-built macroscopic model to work with the MPO model, a mesoscopic model to assess metro-wide shifts in travel behavior, and a feedback module to input results of the analysis back into the MPO model.
03/20-06/23	**I-77 Corridor Study, CRTPO, Charlotte, NC:** Senior lead for a area wide corridor study for I-77 that spans two states – North and South Carolina. Responsibilities included leading teams that helped develop of sub area models based on two activity based MPO models, develop a performance-based evaluation network and model, quantify the influence of proposed improvements and ITS systems upgrade on a roadway network that supports the 80-mile study corridor. Multi objective optimization softwares was the primary tool used to quantify operations of all modes of travel in addition to scenario planning for innovative technologies, large scale transit and off-road mobility improvements.

Firm employed by	Mott MacDonald		
Name	**Jacob Hundl, PG**	Years of relevant experience with this employer	1
Title	Geotechnical Practice Leader	Years of relevant experience with other employer(s)	14
Degree(s) / Years / Specialization	MGsc/2013/Geology; BS/2009/Geology; Certificate/ 2008/ Geographic Information System Specialist		
Active registration number / state / expiration date	#2549/ NC/ 2026; #2693/ SC/ 2027; #11146/ TX/ 2025		
Year registered	NC: 2017; SC 2026; TX: 2024	Discipline	Professional Geologist
Contract role(s) / brief description of responsibilities	QA/QC Technical Advisory - Geotech		

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).

Jacob is an accomplished engineering geologist with broad geotechnical and project management experience across transportation, energy, mining, and telecom sectors. He specializes in geotechnical investigations, hazard assessments, tunneling, and geospatial tools. Known for leading multidisciplinary teams, he has delivered innovative solutions in rock slope stability, trenchless technology, dewatering systems, and digital hazard management.

05/23-10/24	**Geotechnical Engineering Program Management, North Carolina Department of Transportation (NCDOT), Charlotte, NC:** Program Manager responsible for directing NCDOT, subconsultant, and prime consulting firms providing roadway, bridge, retaining wall, soundwall, and pavement investigations and engineering.
10/18	**US Highway 58 Improvement, Virginia Department of Transportation (VDOT), Stuart to Meadows of Dan, VA:** Senior Engineering Geologist for rock slope stability and subsurface exploration program for the widening of US Highway 58. Led teams performing rock slope mapping along route, with kinematic analysis as stability assessment.
10/18-05/23	**Chincoteague National Wildlife Refuge Swan Cove Bridge, US Fish and Wildlife Services (USFWS), Chincoteague, VA:** Senior Engineering Geologist for the design of a bridge to improve tidal connection between Swan Cove and Little Tom’s Cove adjacent to Assateague Island. Explorations included amphibious and terrestrial standard penetration test (SPT), cone penetration test (CPT), and vibrocores. Bridge foundation selection and design was concurrent with consulting structural engineers and bridge designers.
07/14-05/16	**Riyadh Metro Project - Lines 1 & 2 Tunneling and Underground Stations, City of Riyadh, Riyadh, Saudi Arabia:** Senior Engineering Geologist responsible for project management of instrumentation and monitoring program for NATM and tunnel boring machine (TBM) tunnels and deep excavations, tunnel and excavation engineering geological mapping, management of two phases of site investigation, environmental subsurface program management and training, and secant piling installation oversight.
08/13-06/14	**Trans-Anatolian Natural Gas Pipeline, TANAP, Ankara, Turkey:** Lead Engineering Geologist for approximately 1,200 mi long trans-national high pressure natural gas pipeline. Responsible for management of the geologic hazard mapping program for the design of a 1,850-km large diameter gas pipeline (including landslides, karst, major fault crossings, liquefaction, and fluvial systems), geotechnical subcontractor, direction of mobile drilling platforms and cone penetration test (CPT) rigs, and hydrogeological analyses.
10/12-02/13	**Australia Pacific Liquid Natural Gas (LNG), Australia Pacific Consortium, Curtis Island, Queensland, Australia:** Engineering Geologist for design-build of an LNG plant. Responsible for quarry management for production schedule and quality control, construction management of a 300-m marine causeway, onshore piling installation oversight for 1,200 driven steel 30-m piles, earthworks field engineering, testing, and construction supervision for 10 million m3 of site grading.

Firm employed by	Forte and Tablada		
Name	**Bradley Hollerman, PE, PLS**	Years of relevant experience with this employer	4
Title	Senior Vice President, Survey/AMM	Years of relevant experience with other employer(s)	15
Degree(s) / Years / Specialization	BS./ 2009 / Civil Engineering with Minor in Land Surveying		
Active registration number / state / expiration date		PLS #5082 / LA / 09/30/2026; PE #47165 / LA/ 03/31/2027	
Year registered	2012	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		QA/QC Technical Advisory - Survey	

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).
	Bradley will serve as QA/QC Technical Advisory for surveying during this contract, and in that role he will coordinate with the Project Manager to assure task orders are estimated, started, and completed to meet scheduled deadlines, while also satisfying LADOTD deliverable standards and Forte and Tablada’s quality standard. Bradley has 12 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, Boundary Surveys and Right of Way Mapping with 8 years being the Supervising Professional and three years as Principal. He has managed over 130 task orders under 10 separate Topographic and Right of Way Mapping IDIQ Contracts with LADOTD. Mr. Holleman fulfills the minimum personal requirements of being a professional land surveyor, registered in the state of Louisiana, having a minimum of five years of experience in conducting topographic surveys as shown below.
8/25-Ongoing	**H.016401- I-10: I-55 & US 51 Interchange Lighting, St. John Parish, LA (4400021974- Task Order 15):** Principal-in-Charge for this project providing topographic survey, Mobile, Terrestrial, and Aerial LiDAR survey of the I-10, I-55, and US 51 Interchange. The purpose of this project is to provide lighting improvements throughout the intersection.
12/21-Ongoing	**IDIQ Contract No. 4400021974 for Professional Surveying Services, Statewide with Majority of Work in Districts 03 and 07:** Principal-in-Charge performing Topographic Surveys for LA DOTD. This contract showcases Mr. Holleman’s familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. To date, this IDIQ contract has included a total of nine separate Task Orders for seven State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
01/21-Ongoing	**H.004273.5 – I-49 Connector, Lafayette Parish, LA:** Principal-in-Charge responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long. Forte and Tablada, Inc. was able to mobilize up to four Survey crews on this project, in order to meet phased deadlines.
08/23 – Ongoing	**H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites) District 61 (4400025029):** Principal-in-Charge for topographic surveying and right-of-way mapping services that included title take-offs, field investigations to survey property boundary evidence, boundary analysis, existing right of way location determination and right of way mapping. The condensed timeline of the projects required that multiple crews be mobilized weekly to stay on schedule.

Bradley Hollerman, PE, PLS (cont.)

Firm employed by	Forte and Tablada
08/19-Ongoing	**H.011670- I-10/Loyola Interchange Improvements, Kenner, LA:** Surveyor-in-Charge/Principal-in-Charge providing Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule. Due to the compressed timeline of the Survey, a total of 3 Survey firms were contracted to split up the workload, with Forte and Tablada, Inc. serving as Prime Surveyor, being responsible for management and QA/QC of all Survey work. Mr. Holleman originally managed SJB Group's portion of the Survey and is now serving as Principal-in-Charge for any ongoing or new work Forte and Tablada is tasked with.
01/23- 01/24	**Contract 4400021974- Task Order 2- H.014218 US190-Livingston Parish Line, East Baton Rouge Parish, LA:**Principal-in-Charge for this project providing topographic survey, Mobile LiDAR, and drainage mapping. This project is in a dense urban area and includes approximately 4 miles of a 4 lane highway. The purpose of the project is to complete a road overlay and drainage improvements.
01/21-04/23	**Contracts 4400010587 - Task Orders 1 and 16; 4400021974- Task Order 5- H.011684 - LA 327 Spur: Staring Lane Extension- East Baton Rouge Parish, LA:** Principal-in-Charge for a topographic survey, Terrestrial LiDAR survey, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Ln.
01/21-12/22	**Contracts 4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI) – Calcasieu Parish, LA:** Principal-in-Charge for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
01/21-06/22	**Retainer Contract No. 4400010587 for Professional Surveying Services – Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62– Principal-in-Charge performing Topographic Surveys for LADOTD:** This contract showcases Mr. Holleman's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
11/19-12/20	**H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA:** Surveyor to provide Mobile LiDAR scanning services for the I-10/ Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure.
01/18 – 04/20	**H.004100- I-10: LA 415 to Essen Lane:** Surveyor-in-Charge for the topographic survey and 3D Mobile laser scanning. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish. This Survey was part of a larger project that extended West to LA 415 and included a team of 4 Survey firms to complete the work on schedule.
05/18 – 04/19	**H.012591- I-10: Paris Road Lake Pontchartrain:** Surveyor-in-Charge for the topographic survey, 3D Mobile laser scanning and existing drainage map. This project was for the design of Interstate 10 improvements of an 8 mile stretch in New Orleans East.
12/14 – 03/16	**H.011137 & H.011152- I-12 (LA 21 to LA 59) St Tammany, LA:** Surveyor-in-Charge for the topographic survey, 3D laser scanning and existing drainage map. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish.

Firm employed by	Forte & Tabalada		
Name	**Ross Wilson, PLS**	Years of relevant experience with this employer	14
Title	Senior Professional Land Surveyor	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	B.S. / 2010 / Geomatics		
Active registration number / state / expiration date		5148 / Louisiana / 03/31/2026; Also Registered PLS in TX, MS, AR, FL, KY, TN, GA. Certified Federal Surveyor (CFedS 1897)	
Year registered	2015	Discipline	Land Surveying
Contract role(s) / brief description of responsibilities		Survey Task Lead/QC	

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).
	Ross will serve as Survey Task Lead/QC during this contract, and in that role he will supervise all field and office work performed on task orders. He will also lead the effort on estimating task orders and producing project deliverables. Ross will be responsible for all QA/QC efforts from beginning to end of each task order, including the final project deliverables. Ross has 13 years of experience of managing field crews and office work on on-system LADOTD Topographic Surveys, with nine years being the Professional Surveyor-in-Charge on these projects. Ross has managed 40 task orders under five separate Topographic and Right-of-Way IDIQ Contracts with LADOTD with Surveys varying from small to large scale. Ross fulfills the minimum personal requirements of being a professional land surveyor, registered in the state of Louisiana, having a minimum of five years of experience in conducting Topographic Surveys as shown below.
08/25-Ongoing	**H.016401- I-10: I-55 & US 51 Interchange Lighting – St. John Parish, LA (4400021974- Task Order 15):** Surveyor-in-Charge for this project providing topographic survey, Mobile, Terrestrial, and Aerial LiDAR survey of the I-10, I-55, and US 51 Interchange. The purpose of this project is to provide lighting improvements throughout the intersection.
12/21-Ongoing	**IDIQ Contract No. 4400021974 for Professional Surveying Services – Statewide with Majority of Work in Districts 03 and 07:** Surveyor-in-Charge performing Topographic Surveys for LA DOTD. This contract showcases Ross' familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. To date, this IDIQ contract has included a total of nine separate Task Orders for seven State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
08/19-Ongoing	**H.011670- I-10/Loyola Interchange Improvements- Kenner, LA:** Surveyor-in-Charge providing Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway. The Survey was part of a Design-Build Project, which required weekly data updates, to allow the Design team to begin working and stay on schedule.
08/15-Ongoing	**H.004273.5 – I-49 Connector – Lafayette Parish, LA – LA DOTD:** Survey Manager/ Surveyor-in-Charge responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately five miles long. Forte and Tablada, Inc. was able to mobilize up to 4 Survey crews on this project, in order to meet phased deadlines. This project demonstrates Mr. Wilson’s ability to fulfill the minimum personnel requirement of having over five years of experience in conducting topographic surveys.

Ross Wilson, PLS (cont.)

Firm employed by	Forte & Tabalada
05/21-12/22	**Contracts 4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI) – Calcasieu Parish, LA:** Surveyor-in-Charge for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately seven miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
06/17-06/22	**Retainer Contract No. 4400010587 for Professional Surveying Services – Statewide with Majority of Work in Districts 02, 03, 07, 61 and 62– Surveyor-in-Charge performing Topographic Surveys for LA DOTD:** This contract showcases Ross' familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of 18 separate Task Orders for 11 State Highway Projects. Survey tasks included establishing deep rod control monuments, Conventional Topo, Hydrographic Survey, terrestrial and mobile LiDAR Survey, and producing Existing Drainage Maps.
11/19-12/20	**H.012083- Calcasieu River Bridge INT Repairs, Calcasieu Parish, LA (4400010587- Task Orders 12, 14, and 15):** Surveyor-in-Charge to provide project control and laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
01/20-10/20	**Contract 4400010587- Task Orders 6, 7, and 8- H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415- West Baton Rouge & Iberville Parishes, LA:** Surveyor-in-Charge for complete topographic survey and Mobile LiDAR of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
12/16-12/19	**Retainer Contract No. 4400009387 for Professional Surveying Services – Statewide with Majority of Work in Districts 03 and 07 – Surveyor performing Topographic Surveys for LA DOTD:** This contract showcases Mr. Wilson's familiarity with the process of managing LADOTD Survey IDIQ Task Orders from beginning to end. This Retainer contract included a total of five separate Task Orders for three State Highway Projects. Survey tasks included Conventional Topo, Hydrographic Survey, LiDAR Survey, and producing Existing Drainage Maps.
01/18-06/19	**Contract 4400012323- H.004100- I-10:** LA 415 to Essen Lane to I-10 and I-12- East and West Baton Rouge Parishes- LA DOTD- Survey Manager for topographic survey, and terrestrial LiDAR survey of approximately five miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to five Survey Crews to meet phased deadlines.
02/17-03/18	**H.010753.5 US 90 / I-310 Interchange, St. Charles Parish, LA (4400009387- Task Orders 1 and 3):** Surveyor-in-Charge responsible for topographic surveying and drainage mapping of approximately 2 miles along US-90 and the area of the US 90/I-310 Interchange in St. Charles Parish. Terrestrial LiDAR was utilized on all busy roadways and overpasses as a means to obtaining topographic data without endangering surveyors.
10/18- 02/19	**Contract 4400010587 - Task Orders 2, 3, 4, 5, and 10- H.012343 Sunshine Bridge Repair, St. James Parish, LA:** Surveyor-in-Charge responsible for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. This project showcases Forte and Tablada's capability of quick response to an emergency task order.
10/12-03/13	**H.009250 I-10: Highland to LA 73 – East Baton Rouge and Ascension Parishes, LA**: Survey Manager for the topographic survey and Terrestrial LiDAR of approximately 7.0 miles to widen Interstate 10.

Firm employed by	Forte & Tabalada		
Name	**Trenton Iglehart**	Years of relevant experience with this employer	2
Title	Senior CAD Technician	Years of relevant experience with other employer(s)	27
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date		4227009/ N/A / July 14, 2027	
Year registered	N/A	Discipline	FFA Certified Remote Pilot
Contract role(s) / brief description of responsibilities		Survey CAD Operator	

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).
	Trenton will serve as Survey CAD Operator during this contract, and in that role he will assist the Project Manager in supervising all field and office work performed on task orders. He will also assist the Project Manager in estimating task orders and producing project deliverables ahead of any project deadlines. His responsibilities also include training both office and field staff so LADOTD standards are met on a task order. Tenton has 11 years of experience on on–system LADOTD Topographic Surveys, 11 years of experience on on–system LADOTD Right of Way Surveys and 26 years of Hydrographic Survey experience. He has performed CAD and management tasks on over 42 task orders under 13 separate Topographic IDIQ Contracts with LADOTD and 168 task orders under nine separate Right of Way IDIQ Contracts with LADOTD.
8/25-Present	**H.016401- I-10: I-55 & US 51 Interchange Lighting, St. John Parish, LA (4400021974- Task Order 15):** Senior CAD Manager for this project providing topographic survey, Mobile, Terrestrial, and Aerial LiDAR survey of the I-10, I-55, and US 51 Interchange. The purpose of this project is to provide lighting improvements throughout the intersection.
05/18-11/18 05/24-Present	**Contract No. 4400010586- H.011670 I10 Loyola Interchange Improvements Orleans Parish:** Senior CAD Technician field data processing and drafting for Topographic Surveys. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd. for approximately 3.2 miles of roadway. Also responsible for Right-of-Way Monument mapping as part of a later Phase of work.
09/22-06/23	**H.010468.5 I–20: MONKHOUSE to I–49 LADOTD Monkhouse to I–49, Caddo Parish, LA (4400017713):** Senior CAD Technician processing data and drafting files for Static GPS Control, Topographic Surveys utilizing Terrestrial Laser Scanning methods of data collection, QL C & D Subsurface Utility services, Existing Drainage Map development, and Mobile Laser Scanning for approximately 10 miles of interstate rehabilitation.
09/22-06/23	**H.004100 I–10 I–110 PHASE 7 (Task Order No. 4) (4400014660):** Senior CAD Technician for the topographic survey, HDS 3D Terrestrial Laser Scanning, 3D Mobile laser scanning and S.U.E. Services in support of QL B, C, and D subsurface utility designating for additional areas around and below the I-10 and I-110 flyover interchange.
03/22-07/22	**H.12685.5 LA 385 Ryan St Intersection IMPRS Calcasieu Parish (4400017711):** Senior CAD Technician/Lidar Technician for 3D Mobile laser scanning field data collection, processing, lidar feature extraction and drafting for Topographic Surveys.
02/22-06/22	**H.014752.5 LA 3021 Dual Turn Lanes @ LA 39 Orleans Parish (4400017711):** Senior CAD Technician field data processing and drafting for Topographic Surveys. The project was located at the intersection of La 39 (N. Claiborne Ave.) and La 46 (Elysian Fields Ave.) and had linear distance of approximately 3600’.

Trenton Iglehart (cont.)

08/20-09/22	**H.004100.5 I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (Five Task Orders for Right of Way Services) (4400016018):** Senior CAD Technician for Field data processing, Property surveys, title takeoffs, legal description preparations and Right-of-Way Mapping. This project was for the construction of Interstate 10 improvements from LA 415 to Essen Lane in East Baton Rouge Parish. The work consisted of conducting field and office analysis to determine the existing right of way and produce a set of right of way maps, according to LA DOTD specifications, for acquisition of parcels required for construction. This project included 160+ Parcels across 13+ miles of Right of Way.
11/19-12/20	**H.012083- Calcasieu River Bridge Investigation, Calcasieu Parish, LA:** Senior CAD Technician/LiDAR Technician to provide Mobile LiDAR scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure.
04/20-11/20	**H.000688 US 11 Norfolk Southern Railroad St. Tammany Parish (4400010586):** Senior CAD Technician/Lidar Technician for 3D Mobile laser scanning field data collection, processing, lidar feature extraction and drafting for Topographic Surveys. This project was for the design of a new US 11 overpass over Norfolk Southern Railroad.
02/20-08/20	**H.010652 LA 73_US 61 Airline, Essen Lane East Baton Rouge Parish (4400010586):** Senior CAD Technician/Lidar Technician for 3D Mobile laser scanning field data collection, processing, lidar feature extraction and drafting for Topographic Surveys. This project was for the design of improvements to Jefferson Highway from Airline to Essen Lane in East Baton Rouge Parish.
01/18-04/20	**H.004100.5 I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA:** Senior CAD Technician for the Topographic Surveys, HDS 3D Terrestrial Laser Scanning, 3D Mobile laser scanning and S.U.E. Services in support of QL B, C, and D subsurface utility designating. This project was for the widening design of Interstate 10 from LA 415 to Essen Lane in East Baton Rouge Parish for approximately 13 miles of roadway.
04/19-08/19	**H.005121 I-10 to La 1 Connector West Baton Rouge Parish (4400010586):** Senior CAD Technician field data processing and drafting for Topographic Surveys. This project was for the design of a new route connecting LA 1 to La 415, over the Intercoastal Waterway in West Baton Rouge Parish.
05/18-04/19	**H.012591 I-10 Paris Rd Lake Pontchartrain in Orleans Parish (4400010586):** Senior CAD Technician/Lidar Technician for 3D Mobile laser scanning field data collection, processing, lidar feature extraction and drafting for Topographic Surveys. This project was for the design of Interstate 10 improvements of 8 miles of Roadway in New Orleans East.
03/17-10/17	**H.010962 – I-10 Cable Barrier Lafayette Acadia Parish (4400006526):** Senior CAD Technician field data processing and drafting for Topographic Surveys This project was for the design of a cable barrier system along a 30 mile stretch of I-10 through Lafayette.
12/14-03/16	**H.011137 & H.011152: I-12 LA 21 to US 190 & I-12 US 190 to LA 59 St. Tammany Parish (4400005020):** Senior CAD Technician field data processing and drafting for Topographic Surveys. This project was for widening of Interstate 12 from LA 21 to La 59 in St. Tammany Parish for approximately 10 miles of roadway.
09/13-12/15	**H.002375: LADOTD – Amite River Bridge near French Settlement – Route LA 16, Livingston Parish:** Senior CAD Technician/Hydrographic Task Manager for field data collection and processing for all Hydrographic survey data. Field data processing and drafting for Topographic Surveys. 3D terrestrial laser scanning and modeling for bridge substructures. This project was for constructing a new bridge over Amite River in French Settlement Louisiana to the replace the existing swing bridge.

Firm employed by	Forte & Tabalada		
Name	**Tommy Lake**	Years of relevant experience with this employer	8
Title	Senior Party Chief	Years of relevant experience with other employer(s)	29
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Survey Party Chief	

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).
	As Senior Party Chief, Tommy will assist other Party Chief's in troubleshooting issues to ensure that all field work is done correctly, while also meeting LA DOTD format standards. On large projects, where multiple crews are required to complete work within a tight deadline, Tommy will serve as on-site field manager, to aid the flow of production between all crews working on the project. Tommy has 8.5 years of experience as Senior Party Chief on LA DOTD Topo IDIQ projects, 21 years experience of roadway survey, 12 years experience of hydrographic survey, and a total of 35 years experience as a Survey Party Chief. He is proficient in all field methods required and preferred by LADOTD on this contract, including control/deep rod establishment, Topographic and Hydrographic data collection.
8/25-Present	**H.016401- I-10: I-55 & US 51 Interchange Lighting, St. John Parish, LA (4400021974- Task Order 15):** Survey Party Chief for this project providing topographic survey, Mobile, Terrestrial, and Aerial LiDAR survey of the I-10, I-55, and US 51 Interchange. The purpose of this project is to provide lighting improvements throughout the intersection.
02/25-06/25	**Contract 4400021974- Task Order 13- H.016278- US 167: Median Improvements, Vermilion Parish, LA:** Party Chief to provide topographic and Mobile LiDAR surveying for a median improvements of the US 167. The survey included over two miles along a divided 4 lane highway in a rural area.
02/17-Present	**H.004273.5 – I-49 Connector, LADOTD, Lafayette Parish, LA:** Senior Party Chief responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately 5 miles long.
08/23-Present	**Contract 4400025029 - H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish, LA:** Senior Party Chief for topographic surveying and right-of-way mapping services for 13 bridge sites on two lane roadways.
01/23-01/24	**Contract 4400021974- Task Order 2- H.014218 US190-Livingston Parish Line, East Baton Rouge Parish, LA:** Senior Party Chief for this project providing topographic survey, mobile LiDAR, and drainage mapping. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements.
11/18-03/19 01/21-02/21 12/22-04/23	**Contracts 4400010587- Task Orders 1 and 16; 4400021974- Task Order 5- H.011684- LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA:** Senior Party Chief for a topographic survey, terrestrial LiDAR, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Ln.

Tommy Lake (cont.)

05/21-12/22	**Contracts 4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA:** Senior Party Chief for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately 7 miles long. This Survey included four Phases of work, which were completed within a condensed timeline, requiring up to 6 Survey Crews being mobilized in order to meet deadlines for each Phase.
06/20-3/22	**Contract 4400017598- H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58:** Senior Party Chief for topographic surveying and right-of-way mapping services for 22 bridge sites on two lane rural roadways.
11/19-12/20	**H.012083- Calcasieu River Bridge INT Repairs, Calcasieu Parish, LA (4400010587- Task Orders 12, 14, and 15):** Survey Party Chief to provide project control and laser scanning services for the I-10/Lake Calcasieu bridge in Lake Charles, LA. Terrestrial scans were done underneath the bridge for 10 spans on the East and West side, on top the deck to capture the superstructure, as well as from the water below to capture the sub structure. In addition to the terrestrial scans, mobile Lidar was done for future planning.
01/20-10/20	**Contract 4400010587- Task Orders 6, 7, and 8- H.012588, H.012169, H.012587 I-10: Atch Basin Br-W. Baton Rouge P/L, I-10: Iberville P/L-W End Miss Br, I-10: W End of Br 290-W End of LA 415- West Baton Rouge & Iberville Parishes, LA:** Senior Party Chief for complete topographic survey and Mobile LiDAR of approximately 18.3 miles along I-10, from the East end of the Atchafalaya Bridge to the West end of the I-10/LA 415 Interchange.
08/19-01/20	**H.011670- I-10/Loyola Interchange Improvements- Kenner, LA:** Senior Party Chief providing Topographic Survey, Right- of-Way Survey, and Drainage Survey. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway.
01/18-06/19	**Contract 4400012323- H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, LADOTD, East and West Baton Rouge Parishes:** Senior Party Chief for topographic survey, and terrestrial LiDAR survey of approximately five miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to five Survey Crews to meet phased deadlines.
10/18-02/19	**Contract 4400010587- Task Orders 2, 3, 4, 5, and 10- H.012343 Sunshine Bridge Repair, St. James Parish, LA:** Senior Party Chief for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. Monitoring efforts took place before and during construction to support engineering jacking. Post-construction as-builts and profiles of the damaged area of the bridge were also provided.
05/17-10/18	**Contract 4400009387- Task Orders 2 and 5- H.004791.5 Belle Chasse Bridge and Tunnel (HBI), Plaquemines Parish, LA:** Senior Party Chief for comprehensive topographic surveying, terrestrial LiDAR, hydrographic surveying, and drainage mapping for the Belle Chase Bridge and Tunnel Replacement project for LA DOTD. The survey included a 4 lane highway, bridge, and tunnel within a dense urban area.
02/17-03/18	**Contract 4400009387- Task Orders 1 and 3- H.010753.5 US 90 / I-310 Interchange, St. Charles Parish, LA:** Senior Party Chief responsible for topographic surveying, terrestrial LiDAR, and drainage mapping of approximately two miles along US-90 and the area of the US 90/I-310 Interchange in St. Charles Parish. The survey included a four lane highway and two overpasses.

Firm employed by	Forte & Tabalada		
Name	**Noah Kimle**	Years of relevant experience with this employer	8
Title	Survey CAD Technician	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date		NSPS Certified Survey Technician, Level I / 0724-8674	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Survey Party Chief	

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).
	Noah will lead a Survey Crew in collecting data on a task order. Noah has six and a half years of experience working on LA DOTD Topo IDIQ projects, with 7.5 years running a crew as a Party Chief. He is proficient in all field methods required by LADOTD on this contract, including control establishment, Topographic Surveying, and drafting. Noah will import and complete drafting for all field work, as well as complete an initial format/accuracy check all field work performed on task orders. He will give daily feedback to field crews, to confirm completeness and correctness of data, while also helping troubleshoot field questions. Noah will also assist the Project Manager in producing project deliverables ahead of any project deadlines.
08/25-Present	**H.016401- I-10: I-55 & US 51 Interchange Lighting, St. John Parish, LA (4400021974- Task Order 15):** Survey CAD Technician for this project providing topographic survey, Mobile, Terrestrial, and Aerial LiDAR survey of the I-10, I-55, and US 51 Interchange. The purpose of this project is to provide lighting improvements throughout the intersection.
08/25-Present	**H.000688- US 11: Norfolk Southern Railroad Overpass (HBI), St. Tammany Parish, LA (4400027919:Task Order 3):** Survey CAD Technician for this project providing topographic survey, Terrestrial LiDAR survey, Property Survey, and Drainage Mapping for over half a mile along US 11.
02/25-06/25	**Contract 4400021974- Task Order 13- H.016278- US 167: Median Improvements, Vermilion Parish, LA:** Party Chief to provide topographic and Mobile LiDAR surveying for a maiden improvements of the US 167. The survey included over two miles along a divided 4 lane highway in a rural area.
01/25-05/25	**Contract 4400021974- Task Orders 9 and 14; H.012449- KCS Xings Between North St. & Louise (BTR), East Baton Rouge Parish, LA:** Party Chief for this project providing topographic surveying. The Survey included 12 railroad crossings in a dense urban area, and roadways ranging from two to four lanes.
08/23-Present	**Contract 4400025029- H.015547, H.015548, H.015549, H.015341, H.015551, H.015552, H.015545, H.015550, H.015544, H.015553- Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program- 10 State Project Numbers (13 Bridge Sites), East Baton Rouge Parish:** Party Chief for topographic surveying and right-of-way mapping services for 13 bridge sites on two lane roadways.
06/21-Present	**Contract 4400019336- H.014219, H.014222, H.014228, H.014231 and H.014236 – Rural Bridge Replacement Initiative Phase II; 5 State Project numbers (20 Bridge Sites) in Districts 04 and 05:** Party Chief for topographic surveying and right-of-way mapping services for 20 bridge sites on two lane rural roadways.
08/19-Present	**H.011670- I-10/Loyola Interchange Improvements, Kenner, LA:** Party Chief providing Topographic Survey, Right- of-Way Survey, Drainage Survey, and Right-of-Way Monument Mapping. The project stretches along I-10, from the levee in Kenner to the Williams Blvd. off ramp, as well as Loyola Avenue and portions of Veterans Blvd for approximately 3.2 miles of roadway.

Noah Kimle (cont.)

09/17-Present	**H.004273.5 – I-49 Connector, LADOTD, Lafayette Parish, LA:** Party Chief responsible for providing topographic, terrestrial LiDAR scanning, and property surveying services for the I-49 Connector. The project is in a dense urban area and is approximately five miles long.
03/24-04/24	**H.015935 LA Hwy 47 Over Bayou Bienvenue- Emergency Bridge Replacement, St. Bernard/Orleans Parish, LA:** Party Chief to provide topographic, hydrographic, and LiDAR surveying for an emergency bridge replacement of the LA 47 bridge over Bayou Bienvenue. The survey included a four lane highway in an urban area.
01/23- 01/24	**Contract 4400021974- Task Order 2- H.014218 US190-Livingston Parish Line, East Baton Rouge Parish, LA:** Senior Party Chief for this project providing topographic survey, mobile LiDAR, and drainage mapping. This project is in a dense urban area and is approximately 4 miles long. The purpose of the project is to complete a road overlay and drainage improvements.
05/21 – 12/22	**Contracts 4400010587- Task Order 18; 4400015237- Task Order 1; 4400021974- Task Orders 1, 3, and 4- H.003931- Calcasieu River Bridge (HBI), Calcasieu Parish, LA:**Party Chief for this project providing topographic survey, Mobile and Terrestrial LiDAR, Multibeam Hydrographic survey of Lake Charles, and drainage mapping. This project is in a high-traffic industrial area along I-210 and is approximately seven miles long.
06/20-3/22	**Contract 4400017598- H.013979, H.013995, H.013992, H.013994, H.013985, H.013954, H.013990- Rural Bridge Replacement Initiative Phase I; 7 State Project Numbers (22 Bridge Sites) in Districts 04, 05, 08 and 58:** Party Chief for topographic surveying and right-of-way mapping services for 22 bridge sites on two lane rural roadways.
03/21 – 12/21	**MOVEBR (20-EN-HC-0003) Florida Blvd. Corridor Enhancement, East Baton Rouge Parish, LA:** Party Chief for this project providing topographic surveying, mobile LiDAR, and drainage mapping services. This project is in a dense urban area and is approximately 4 miles long along a four lane highway.
06/19–09/19	**Contract 4400010587- Task Orders 11 and 13- H.000303.6- Danziger Bridge Repair, Orleans Parish, LA:** Party Chief for Project Control, Topographic and Monitoring survey, and terrestrial LiDAR scanning of Danziger bridge. This survey was necessary due to damage of joints, deck, and girder ends of the fixed spans on both sides of the bridge.
01/18-06/19	**Contract 4400012323- H.004100- I-10: LA 415 to Essen Lane to I-10 and I-12, LADOTD, East and West Baton Rouge Parishes:** Party Chief for topographic survey, and terrestrial LiDAR survey of approximately five miles of roadway along I-10 and I-12 between LSU lakes and Essen Lane. Project required Forte and Tablada, Inc. to mobilize up to five Survey Crews to meet phased deadlines.
11/18-04/19	**Contracts 4400010587- Task Orders 1 and 16; 4400021974- Task Order 5- H.011684- LA 327 Spur: Staring Lane Extension, East Baton Rouge Parish, LA**: Party Chief for a topographic survey, terrestrial LiDAR, and drainage map for this project, being approximately 1.5 miles long, in between the intersections of La 42 (Burbank Dr.) and Staring Ln. and La 327 (Gardere Ln.) and La 30. The purpose of the project is to create a connecting route from Gardere to the intersection of LA 42 and Staring Ln.
10/18-02/19	**Contract 4400010587- Task Orders 2, 3, 4, 5, and 10- H.012343 Sunshine Bridge Repair, St. James Parish, LA:** Party Chief responsible for establishing survey control on and near the Sunshine Bridge to use conventional and terrestrial LiDAR scanning methods to monitor the damage on the bridge. Monitoring efforts took place before and during construction to support engineering jacking.

Firm employed by	Urban Systems		
Name	**Alison Michel, PE, PTOE, PTP, RSP**	Years of relevant experience with this employer	24
Title	President/Transportation Engineer	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	
Year registered	2002/2017	Discipline	Professional Traffic Operations Engineering/ No.1023 / 11/06/2026
Active registration number / state / expiration date		Professional Transportation Planner/No. 626/ 11/20/2026	
Year registered	2023	Discipline	Road Safety Professional 2i
Active registration number / state / expiration date		#148/ 03/2026	
Contract role(s) / brief description of responsibilities		Traffic/ITS Task Lead/Detail Checker	

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).

Alison is a leading expert in Traffic Engineering and Transportation Planning. Alison has extensive design experience that includes permanent and temporary traffic signals, traffic control devices for work zones, intelligent transportation systems, signage, and striping. She has also prepared construction documents and provided construction engineering services for roadway modifications at intersections, point repairs and roadway reconstruction. This experience provides an in depth understanding of the LADOTD road design requirements which will be useful when preparing traffic plans. Alison has completed the Highway Safety Manual course sponsored by the LADOTD and the NEPA and Transportation Decision Making course sponsored by the National Highway Institute. She has a wide array of experience with transportation studies including traffic management plans, safety, corridor, Stage 0/ feasibility, Stage 1/ environmental, multi-modal, and complete street facilities. She has experience in the timing of coordinated signal systems and progression analyses. She is proficient in microscopic simulation modeling using VISSIM and CORSIM and also in analysis programs such as Highway Capacity Software (HCS), Synchro, Tru-Traffic and SIDRA.

10/10-Present	**Pecue Lane / I-10 Interchange Environmental Assessment:** Principal in Charge for the Traffic Engineering tasks as a sub-consultant for the Pecue Lane / I-10 Interchange project. 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.
03/16-01/19	**I-10/Loyola Interchange Improvement Project:** 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 Alison as the principal in charge. The first phase included detailed data collection efforts to identify the various origins and destinations of airport trips and the routes utilized. Managed this, the microsimulation analysis efforts and the tiered process to identify alternative interchange improvements to meet Federal Highway Administration (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 was preparing an environmental assessment (EA) where she assisted the project manager with coordinating a team of eight different consulting firms. The result was the granting of a Finding of No Significant Impact (FONSI) by the FHWA in only 15 months after beginning the EA process.

Alison Michel, PE, PTOE, PTP, RSP (cont.)

Firm employed by	Urban Systems
09/12-12/12	**I-12 Corridor Stage 0 Feasibility Study and Environmental Inventory:** Project Manager for a stage 0 feasibility study and environmental inventory for needed improvements on approximately 70 miles of Interstate Highway 12 from the town of Walker in Livingston Parish to the I-12/I-59 Interchange in St. Tammany Parish. A traffic study including traditional capacity analysis and regional transportation modeling using TRANSCAD were conducted to achieve the most thorough investigation of the existing traffic conditions, development of alternative solutions, and estimation of projected conditions.
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 Assessment:** 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 Commissions Travel Demand model in Transcad was utilized to forecast volumes for various scenarios. Due to the length of the corridor, public meetings were held in three separate locations where the results of the traffic analysis were presented to the public. At the public meetings video animations of the models and analysis results from the VISSIM were presented. The final Stage 0 document was published for public comment to be included in the NEPA process in compliance with the FASTACT. USI also completed the traffic analysis and preparation of three Interchange Modification reports based on the Tiered process to meet Federal Highway Administration (FHNA) requirements. Managed and conducted the QA/QC of the traffic study preparation for the Environmental Assessment that was approved by FHNA.
01/14-08/19	**US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design-Build Project:** Supervised the design and analysis and performed QA-QC for temporary and permanent signal plans, permanent signage plans, temporary traffic control plans and the Transportation Management Plan. Signal plans were prepared using the DOTDs latest TSI format. Analysis included developing design hour volumes for the design year and modeling signals in Synchro. Phasing and timing were developed for both permanent and temporary signal operation. Supervised staff and assisted with services during construction including responding to inquiries and preparing adjusted Traffic Control Plans for unforeseen conditions during construction.

Firm employed by	Urban Systems		
Name	**Nicole Stewart, PE, PTOE**	Years of relevant experience with this employer	19
Title	Vice President / Transportation Engineer	Years of relevant experience with other employer(s)	1
Degree(s) / Years / Specialization	BS / 1997 / Civil Engineering		
Active registration number / state / expiration date		34750 / LA/ 09/30/2027	
Year registered	2009	Discipline	Professional Engineer: Civil Engineering
Active registration number / state / expiration date		2923 / LA / 08/14/2027	
Year registered	2012	Discipline	Professional Traffic Operations Engineering
Contract role(s) / brief description of responsibilities		Traffic/ITS QC Design Checker	

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).
	Nicole offers broad expertise in Traffic and Transportation Engineering and is a Certified Traffic Control Design Specialist. 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. She also has experience in signal design and intersection improvements, microscopic modeling using CORSIM software, geometric design, pavement design, and drainage. Nicole has experience using Highway Capacity Software (HCS), Synchro, and TS/PP Draft in the analysis, timing and coordinating of traffic signals.
02/15-06/16	**Bridge Preventative Maintenance District 61:** Principal in charge for Traffic Management Plans (TMP) for bridge replacement and repairs for various locations in Louisiana. This included developing various levels of TMP’s based on LADOTD EDSM guidelines. Tasks included conducting capacity analysis, safety analysis, detour analysis 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.
10/17-04/19	**TMP for US 90 Bridge Maintenance over I-10 Ramps at LockMoor:** Used the LADOTD EDSM guidelines to prepare key components of the traffic management plan (TMP) for proposed bridge repairs on US 90 from PPG Rd to the I-10 entrance ramp in Lake Charles, LA. Tasks include the preparation of collision diagrams, conducting safety analysis, detour analysis and developing proposed mitigations where applicable.
03/10-01/14	**Houma-Thibodaux to I-10 Connection North-South Corridor Environmental Impact Statement:** Evaluated new alignments to connect US 90 to LA 3127 to establish a new north-south corridor to link the existing interstate system to the future I-49 South and provide an alternate route during hurricane evacuations. Conducted an analysis to evaluate traffic operations for the various alternatives and to recommend lane configurations for the terminal intersections. At the completion of the study, performed the QA/QC for the Level 2 Transportation Management Plan that was prepared for the final corridor alignment.
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, responsible for the preparation of the safety analysis. Conducted the analysis per the guidelines set forth by LADOTD in Guidelines for Crash Data Analysis for this TMP in Lake Charles, LA. 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. Identified trends and calculated crash rates and determined that the section of I-10 that was going to be rubblized had a crash rate that was higher than the statewide average and required mitigation.

Nicole Stewart, PE, PTOE (cont.)

Firm employed by	Urban Systems
10/24-Present	**US HWY 190 (US 61X) Corridor Enhancement Segment 2:** Responsible charge for the preparation of the Level 2 Traffic Management Plan for the project to construct safety improvements for pedestrians. As a part of this TMP, coordinated with the project team to identify key elements that must be included in the contractor prepared traffic control plans and the work time restrictions that must be followed to minimally disrupt the flow of traffic.
07/23-10/23	**LA 67 (Plank Road) over US 61 (Airline Highway):** Managed a Level 3 Transportation Management Plan was prepared for the repairs to the Plank Road Bridge over Airline Highway. She led data collection and identified the traffic management challenges that would be faced during construction. Identified alternate routes that could be used while the necessary repairs were made and evaluated the expected traffic operations along the detour roadways. Also played a key role in identifying traffic control phasing that would minimize the impact to motorists.
03/12-11/13	**MacArthur Interchange Signal Modification/ Signage & Striping / Traffic Control Devices Plans:** Prepared the traffic study to evaluate the existing and projected operating conditions of the lower Westbank Expressway. In the second phase, designed the new traffic signals for the interchange and adjacent signalized intersections. She prepared the striping and signage plans to accommodate the ramp changes and prepared Traffic Control Devices Plans for the various stages of construction.
03/10-07/10	**USACE Traffic Control Devices Plans:** Designed numerous Traffic Control Devices Plans to meet US Army Corps of Engineers, LADOTD and MUTCD standards. The plans and specifications included, but were not limited to, the proper placement of temporary Traffic Control Devices (signs, barricades, drums, roadway markings, etc.) to facilitate traffic safely and efficiently through the traffic control zone. Haul routes were designated when necessary. Many of the plans were for Corps of Engineers' projects.

Firm employed by			Urban Systems
Name	**Matthew Morgan, PE, PTOE**	Years of relevant experience with this employer	12
Title	Transportation Engineer	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 / 3/19/2028 – Professional Traffic Operations Engineer	
Contract role(s) / brief description of responsibilities		Traffic/ITS Design Checker/Detail Checker	

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).

Matthew has experience with Traffic Engineering/ Transportation planning projects that ranges from starting as a Data Collection Manager while in college to an EI and a PE and now a PTOE. He has collected and delivered volume, class, and speed data to project managers using road tube equipment and camera systems. Matthew has been a team member for many projects that involved intersection, freeway, and highway analysis. He has assisted with Traffic Impact Studies, Traffic Control Device Plans, Interchange Modification/Justification Reports, Stage 0 Studies, Transportation Management Plans, and a variety of other studies. Matthew’s design experience includes traffic signal, signage, and striping. He has been heavily involved in complete streets projects with a focus on bike/ pedestrian facilities. Matthew's wide range of experience will bring creativity and innovation to roadway projects when traditional methods won’t meet the unique needs of the community. He is proficient in the following software: PetraPro, TraxPro, MetroCount, Excel, AutoCAD, SIDRA, HCS, SIDRA, VISSIM, CORSIM, and Adobe Suite.

09/20-07/21	**Port Allen Canal Bridge TMP:** Assisted with the preparation of the Port Allen Traffic Management Plan by leading the traffic data collection and analysis efforts. His responsibilities included collecting and reviewing traffic count data, turning movement volumes, and queue observations at key intersections throughout the project area. Performed detailed queue length analyses to evaluate intersection performance and identify potential congestion and delay points under both existing and proposed conditions. Also contributed to the safety assessment by reviewing field observations, identifying areas with elevated risk of conflict, and developing recommendations to enhance safety during construction activities. In addition, he assisted in compiling data summaries and supporting materials for inclusion in the final Traffic Management Plan report.
09/23-Present	**I-10 NO CBD3 (Poydras-Louisa):** The project objective was to identify strategies to minimize traffic delays and enhance safety within the I-10 corridor through downtown New Orleans during construction activities. Contributed to the preparation of the Transportation Management Plan (TMP) by leading the safety analysis and developing the traffic management documentation in accordance with LADOTD’s TMP requirements. He analyzed crash data within the project impact area to establish baseline safety performance and identify potential areas of concern. In addition, assisted with the preparation of temporary traffic control plan elements to support safe and efficient traffic operations throughout the construction period.
03/16-08/18	**Future I-49 South Study (Raceland to Westbank Expressway), Stage 1:** The study area spanned US 90 from Raceland to Westbank Expressway. Led the data collection effort which included traffic volume collection, speed studies, and vehicle classification. He performed site investigations and assisted project engineers with development of figures and tables to present the data. Utilized LADOTD’s resources and tools during the study phase for analysis of existing conditions.

Matthew Morgan, PE, PTOE (cont.)

03/16-12/19	**I-10/Loyola Interchange Improvement:** Led data collection efforts on I-10 and surrounding roadways for the I-10/Loyola Interchange improvements. He organized counting roadways and turning movements using video camera and pneumatic tubes. He also assisted in the collection of speed data using hand-held radar devices. Helped review crashes associated with the project, analyze crash characteristics, and examine trends in crashes for the study years. He assisted with capacity analysis for existing and future alternative conditions using HCS, Synchro, and Vissim analysis software. Role included supporting VISSIM base model creation and calibration. Also participated in creating models for the identified potential improvement alternatives, MOE generation and comparison, conflict point analysis, and report development.
02/17-07/19	**I-10 Baton Rouge Washington Dalrymple IMR:** Led the For data collection team for this Stage 0 feasibility study. The data collection was composed of collecting turning movement counts at the intersections and roadway volumes on the interstate. Analyzed existing and future conditions including intersections, freeway segments, ramps, and weaving segments. Assisted in the generation of the report and appendix and helped meet submission deadlines.

Firm employed by	APS Engineering & Testing		
Name	**Sergio Aviles, PE, M.ASCE**	Years of relevant experience with this employer	14
Title	President/Geotechnical Manager	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization	BS Civil Engineering/2001/Geotechnical		
Active registration number / state / expiration date		PE #0033571/ LA / 03-31-2026; ATSSA Work Zone Traffic Control Technician, Flagger, Water Well Contractor's License	
Year registered	2007	Discipline	Civil
Contract role(s) / brief description of responsibilities		Geotech Task Lead/QC	

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).
	Sergio is the President and Geotechnical Manager of A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirements No. 11. He has extensive expertise in slope stability analysis, embankment settlement calculations, mechanically stabilized earthen (MSE) wall design, pile design, sheet pile design, pile integrity testing, and Pile Dynamic Analyzer (PDA). Since founding A P S fourteen years ago, Sergio has led geotechnical engineering, laboratory testing and materials testing projects statewide for both government agencies and private clients. His professional portfolio includes the design and construction supervision of complex infrastructure projects throughout Louisiana, ensuring technical accuracy, adherence to DOTD specifications, and the highest standards of quality control.
09/19-Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Serve as Geotechnical Manager, providing technical oversight across all phases—from field exploration and lab testing to analysis and reporting. His leadership ensured conformance with DOTD specifications, QA/QC protocols, and schedule adherence.
06/20-04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.

Sergio Aviles, PE, M.ASCE (cont.)

Firm employed by	APS Engineering & Testing
03/19-05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. Sergio served as Geotechnical Manager for the investigation and design team. He provided direct oversight of field operations, laboratory analysis, and engineering deliverables, ensuring technical accuracy, and timely completion across all phases of the project. overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
01/22-05/24	**Project No. H.001352.6 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing all phases of exploration, analysis, and reporting.
09/21-05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Served as Geotechnical Manager for the investigation and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
11/19-12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85:** A P S was selected as part of the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.
03/21-11/22	**Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.):** The scope included a comprehensive geotechnical investigation to support foundation recommendations for proposed pavement rehabilitation and new bridge construction. A total of 32 borings were drilled and tested to characterize subsurface conditions and develop geotechnical design parameters for the City of Baton Rouge. Sergio served as Geotechnical Manager for the Geotechnical Investigations and Design Team, providing hands-on leadership and technical oversight throughout all phases of the project to ensure accuracy, quality, and timely delivery.
03/15-04/15	**Holly Drive Bridge Replacement- St. Tammany Parish:** The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.

Firm employed by	APS Engineering & Testing		
Name	**Sairam Eddanapudi, PE, ME**	Years of relevant experience with this employer	14
Title	Chief Geotechnical Engineer	Years of relevant experience with other employer(s)	9
Degree(s) / Years / Specialization	ME/2002/Civil Engineering, BE/1999/Civil Engineering		
Active registration number / state / expiration date	PE #0035129/ LA / 03-31-2026; ATSSA Work Zone Traffic Control Technician		
Year registered	2009	Discipline	Civil
Contract role(s) / brief description of responsibilities	Geotech Geotechnical Engineer		

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).
	Sai serves as Chief Engineer at A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirements No. 11. He brings 23 years of experience in geotechnical and civil engineering, with specialized expertise in advanced geotechnical laboratory testing, quality control, and personnel training. His professional design experience includes roadways, bridges, levees, and T-walls, as well as both shallow and deep foundations. His field expertise covers quality control inspections for auger cast piles, drilled shafts, soil, and concrete. Sai is proficient in a wide range of engineering software, including Slope/W (2004, 2007, and 2024 versions) for slope stability analysis, Seep/W for seepage analysis, DRIVEN 1.4 for driven pile analysis, MicroStation V8, CWALSHT and FS004 for Slope stability, Swell Potential analysis for expansive soils, drilled shaft design software, auger cast pile analysis, AASHTO pavement design, slope analysis, and differential settlement evaluation.
09/19-Present	**Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:** The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Mr. Eddanapudi serves as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data. His leadership ensured conformance with DOT specifications, QA/QC protocols, and schedule adherence.
06/20-04/23	**Rural Bridge Replacement Initiative Phase I:** The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures.Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing for accuracy, compliance, and reliability of geotechnical data.

Sairam Eddanapudi, PE, ME (cont.)

03/19-05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
01/22-05/24	**Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:** A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing for accuracy, compliance, and reliability of geotechnical data.
09/21-05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Sai i served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
11/19-12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85:** A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.
03/15-04/15	**Holly Drive Bridge Replacement- St. Tammany Parish:** The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. A P S performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.

Firm employed by	APS Engineering & Testing		
Name	**Amanda Linton**	Years of relevant experience with this employer	6
Title	Laboratory Manager	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization	BS/2016/Biology		
Active registration number / state / expiration date		NICET III Equivalent ASTM approved Exams Certified by AASHTO /11-20-2026	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Geotech Laboratory Manager	

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).
	Amanda serves as the Laboratory Manager for A P S Engineering and Testing, LLC’s AASHTO, LDEQ, and USACE-accredited Baton Rouge laboratory, operating under the direction of a Registered Professional Engineer and meets the DOTD Minimum Personnel Requirement No. 12. With an exceptional depth of practical knowledge and leadership in geotechnical laboratory operations, Amanda oversees all day-to-day laboratory functions, verifying every test meets or exceeds strict DOTD, ASTM, AASHTO, and USACE quality standards. In her role, Amanda supervises and manages a team of five full-time laboratory technicians. Amanda has extensive experience performing and overseeing the full range of soil mechanics laboratory testing, including Soil Classification, Atterberg Limits, Grain Size Analysis, Hydrometer, Consolidation Testing, Organic Matter Content, Moisture Content, Permeability Testing, pH, Resistivity and advanced strength testing methods such as Unconfined Compression (UC), Unconsolidated–Undrained Triaxial (UU), Direct Shear (DS), Consolidated–Undrained Triaxial (CU), and Consolidated–Drained Triaxial (CD).
09/19-Present	**Project No. H.0041005.5 and .6:** I-10 LA415 to Essen Lane on I-10 and I-12: The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. Managed all phases of geotechnical testing, maintaining strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.
09/21-05/24	**Port Hudson-Pride Road (LA-964 – LA-19):** The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Managed all phases of geotechnical testing, performed strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.
01/22-05/24	**Project No. H.001352.6 and H.002273.5:** Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge: A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Managed all phases of geotechnical testing, performed strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.

Amanda Linton (cont.)

11/19-12/23	**Project No. H.010155: US 90 Railroad Overpass SE of LA 85**: A P S was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. All laboratory testing was performed at our accredited Laboratory. Managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.
03/19-05/25	**Project No. H.001344 US 190: LA 437 to US 190 BUS:** A P S was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for the foundation recommendation. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. Managed all phases of geotechnical testing, ensuring strict adherence to AASHTO standards, maintaining quality control, and delivering reliable data to support engineering design.

Firm employed by	APS Engineering & Testing		
Name	**Van George**	Years of relevant experience with this employer	10
Title	Senior Driller	Years of relevant experience with other employer(s)	11
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date		N/A	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		Geotech Drilling Supervisor	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		

Van serves as Lead Driller for A P S Engineering and Testing, LLC and meets the DOTD Minimum Personnel Requirement No. 13. With over 20 years of experience in geotechnical field exploration, Mr. George helps to oversees and manages A P S’s drilling operations throughout Louisiana, ensuring that all field investigations are conducted in strict compliance with DOTD specifications and state laws. Mr. George has extensive expertise in a wide range of drilling and sampling techniques, including Shelby Tube sampling, Split Spoon sampling, Electronic Cone Penetrometer Testing (CPT), and mud rotary drilling for deep and shallow subsurface investigations. He is proficient in the use of piston samplers for soft cohesive soils to recover high-quality undisturbed samples, and pitcher samplers for hard cohesive soils. His CPT experience includes conducting dissipation testing to evaluate pore water pressure dissipation and soil consolidation characteristics. In compliance with Louisiana state grouting requirements, Van is responsible for proper backfilling and grouting of all boreholes to protect groundwater resources and maintain environmental compliance. Van prepares complete and accurate field logs and daily activity reports for every project, documenting drilling methods, soil classifications, sample recovery, and site conditions

09/19-05/25	**Project No. H.0041005.5 and .6:** I-10 LA415 to Essen Lane on I-10 and I-12: The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. A P S performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Shelby tube sampling, Standard Penetration Testing (SPT), and split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained (UU) Triaxial Compression tests for shear strength evaluation and Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer (PDA) instrumentation and signal matching via CAPWAP analysis. These tests provided real-time data on pile capacity, drivability, and soil-pile interaction, supporting axial load design and installation recommendations. As Head Driller for the Geotechnical Field Investigations, Van applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
03/19-05/19	**Project No. H.001344 US 190:** LA 437 to US 190 BUS: A P S was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, A P S performed site-specific testing of subsurface soils, base materials, and concrete placement zones to evaluate compliance with structural and geotechnical performance criteria. Laboratory testing supported classification, strength, and constructability assessments for proposed bridge elements. A P S also provided PDA instrumentation, testing, and CAPWAP analysis. As Head Driller for the Geotechnical Field Investigations, Vanapplied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.

Van George (cont.)

11/17-2/18	**Project No. H.013193:** US 61 Thompson Creek Bridge Replacement- A P S was tasked thru our DOTD geotechnical retainer for the Geotechnical Investigation to drill and sample a total of eight (8) deep borings for the replacement bridge at US 61 over Thompson Creek. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. As Head Driller for the Geotechnical Field Investigations, applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
07/14-08/14	**Project No. 700-51-0110 US 90 elevated portion for the future I-49 corridor:** A P S performed all the preliminary Geotechnical Investigation, drilling, testing, and CPT for US 90 and Highway 318 Intersection. A total of 46 borings and 11 CPTs were drilled. A P S performed all the laboratory testing per ASTM standards to facilitate the geotechnical design. Soil classification tests such as, natural moisture contents, Unconsolidated Undrained, liquid and plastic limits, unit weight, grain-size analyses, consolidations, and specific gravity were performed. All laboratory testing was performed at our accredited Laboratory. As Head Driller for the Geotechnical Field Investigations, Van applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.
01/04-05/12	**Private Jobs:** Drilling for warehouses, chemical plants, and private land development projects. **Levees (Kenner) – New Orleans, LA:** Drill and sample with 5” Shelby tubes, 80’ to 100’ holes. **New Orleans East Levee – New Orleans, LA:** Drill and sample with 5” Shelby tubes, 80’. As Head Driller for the Geotechnical Field Investigations, Van applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety for accurate and efficient data collection.

Firm Name	Mott MacDonald	Discipline(s)*	Bridge, Other (Tunnel, Electrical/Lighting, Mechanical, Controls, Bridge-Structural, Architectural, Civil), Road, Survey		
Project name	**Harvey Tunnel Lighting Replacement Plan Preparation and Construction Administration**			Firm responsibility (prime or sub?)	Prime
Project number	SP H.013706	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Jefferson Parish, LA		Owner's Project Manger	Haylye Brown, PE	
Owner's address, phone, email		1201 Captiol Access Rd.Baton Rouge, LA 70802, 225.379.1500 haylye.brown@la.gov			
Services commenced by this firm (mm/yy)		12/18	Total consultant contract cost ($1,000's)		$1,128
Services completed by this firm (mm/yy)		11/24	Cost of consultant services provided by this firm ($1,000's)		$1,083
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

BRINGING ADVANCED, ENERGY-EFFICIENT LIGHTING SYSTEMS TO THE HARVEY TUNNEL

First opened to traffic in 1957, the Harvey Tunnel's original design predates current standards and codes for highway tunnel safety.

Opportunity

The Louisiana Department of Transportation and Development (LADOTD) owns, maintains, and operates the Harvey Tunnel in Louisiana, located approximately one mile south of the Mississippi River. The Harvey Tunnel is approximately 1,080-foot-long, twin-tube, bidirectional, dual-lane vehicular and pedestrian tunnel beneath the Harvey Canal.

The tunnel roadway and pedestrian lighting system was found to be largely non-operational during Federal Highway Administration biannual tunnel inspections and deemed insufficient to support safe pedestrian and motorist traffic through the tunnel. Many roadway lighting fixtures showed signs of vehicular collision damage while many walkway fixtures were vandalized. Lighting controls were also found to be non-operational.

This project served as an opportunity to replace the tunnel lighting system and bring it to present code. This will improve pedestrian and motorist safety and modernize the system with energy efficient LED fixtures and an automatic lighting control system.

Solution

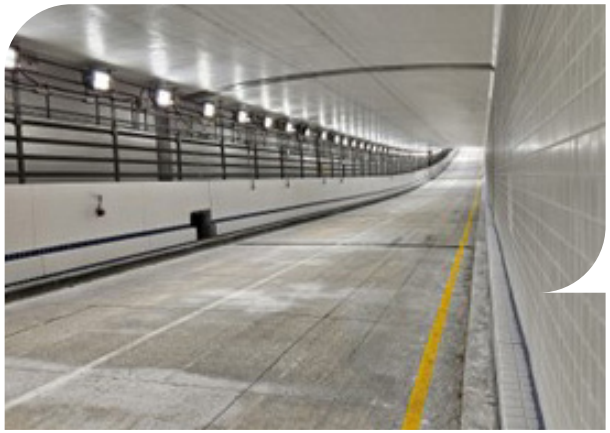
Mott MacDonald provided electrical, controls, mechanical, and structural design services to produce construction documents (drawings, specifications, and calculations) needed to install a new, fully automated, LED based tunnel lighting system with all the power distribution and controls equipment required. Our multidisciplinary team designed plans and details to install slimmer fixtures strategically installed on the tunnel wall to avoid future collision damage. Plans also included structurally detailed repairs required for the light fixture structural supports. The system included an automated supervisory control and data acquisition-based control system and an uninterruptible power supply system.

Outcome

The LADOTD successfully advertised the project for construction in April 2020, with Mott MacDonald also providing construction administration services. We completed our final inspection and witness testing in December 2023, and significant completion was reached Q2 or 2024.

Key personnel

Ryan Lange, PE
Chris Lau, PE, NCTI
Lionel Lutley, PE, NCTI
Antonio Gonzalez Jr. PE, NCTI
Bart Hendricks, PE
Ryan Brainard, PE
Austin Kittok, PE



Firm Name	Mott MacDonald	Discipline(s)*	Other (Electrical), Planning		
Project name	**IDIQ for Innovative Procurement and Alternative Delivery Support Services (I-10 Calcasieu Bridge)**			Firm responsibility (prime or sub?)	Sub
Project number	H.003931	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Calcasieu Parish, LA		Owner's Project Manger	Mark Chenevert, PE	
Owner's address, phone, email	1201 Capitol Access Road, 405-E Baton Rouge, LA 70802, 225-379-1591, mark.chenevert@la.gov				
Services commenced by this firm (mm/yy)	11/20	Total consultant contract cost ($1,000's)		$487	
Services completed by this firm (mm/yy)	03/23	Cost of consultant services provided by this firm ($1,000's)		$487	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

A LANDMARK INFRASTRUCTURE UPGRADE FOR SOUTHWEST LOUISIANA

Spanning 5.5 miles, the project will deliver a safer, more efficient corridor with expanded lanes, modern interchanges, and improved connectivity for the region supported by state of the art roadway, bridge and aesthetic lighting and controls..

Opportunity

The I-10 Calcasieu River Bridge Project is one of Louisiana's most significant infrastructure initiatives, aimed at replacing the aging Calcasieu River Bridge, which has been in service since 1952 and now carries more than double its original design capacity. Spanning a 5.5-mile corridor from Ryan Street to the I-210/I-10 interchange in Westlake, the project includes a new, lower-gradient bridge with expanded lanes, full shoulders, and modern lighting, as well as upgraded interstate roadways, improved interchanges, and the elevation of Sampson Street to eliminate train-related delays. Delivered as a Public-Private Partnership (P3) between LADOTD and Calcasieu Bridge Partners, the $2.3 billion project is funded through state, federal, and future toll revenues, with tolling set to begin only after the bridge opens in 2031.

Solution

As part of WSP's design team, Mott MacDonald provided specialized electrical engineering services focused on roadway and bridge lighting systems. Our responsibilities included:

- Development of technical provisions for roadway lighting to ensure compliance with LADOTD standards and P3 performance requirements.
- Photometric analysis and lighting design recommendations to achieve uniform illumination, minimize glare, and enhance nighttime safety.
- Coordination with WSP and LADOTD to integrate lighting requirements into the overall bridge and interchange design, supporting the project's safety and mobility objectives.

These contributions complemented WSP's prime responsibilities for overall design leadership, structural engineering, and interchange reconfiguration, ensuring that lighting systems were seamlessly incorporated into the corridor's expanded six travel lanes and two auxiliary lanes while maintaining I-10 traffic throughout construction.

Outcome

The project will modernize Louisiana's infrastructure, improve safety and mobility, and stimulate economic growth in Southwest Louisiana. Construction is scheduled from 2024 to 2031, with tolling operations extending through 2081. Mott MacDonald's work on lighting provisions will help deliver:

- Enhanced nighttime visibility and reduced crash potential through optimized lighting design.
- Compliance with LADOTD standards and P3 performance criteria for long-term reliability.
- Integration of modern lighting systems into one of Louisiana's most critical transportation corridors.

Key personnel

Andrew Gibbs, PE

17. Firm Experience:					
Firm Name	Mott MacDonald	Discipline(s)*	Bridge, CE&I/OV, CPM, Data Collection, Environmental, Geotech, ITS, Other (Coastal engineering, storm surge modeling, vibration and ship impact studies) Planning, Right-of-Way, Road, Survey, and Traffic		
Project name	**Interstate 10 (I-10) Mobile River Bridge and Bayway Widening Program Management**			Firm responsibility (prime or sub?)	Sub
Project number	N/A	Owner's name	Alabama Department of Transportation (ALDOT)		
Project location	Mobile and Baldwin County, AL		Owner's Project Manger	Andrew D. Wood, PE	
Owner's address, phone, email	1701 I-65 West Service Road N, Mobile, AL 36618 | 251.470.8200 | wooda@dot.state.al.us				
Services commenced by this firm (mm/yy)	10/15	Total consultant contract cost ($1,000's)		$3,150	
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)		$3,150	
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

AN ADVANCED DESIGN FOR MAJOR BRIDGES IN MOBILE, ALABAMA

The I-10 Mobile River and Bayway Bridges were unable to accommodate heavy traffic patterns. The bridges also required trucks with hazardous materials to take an alternate route.

Opportunity
The Mobile River and Bayway Bridges are considered a bottleneck along the 2,460-mile I-10 route. The Bayway Bridge consist of four lanes with limited shoulder area, which shut down a lane of traffic in the event of an accident. Once the Bayway Bridge meets the Mobile River, it diverts to a tunnel to avoid disruption to passing vessels from the Port of Mobile, which causes additional heavy traffic issues.

As concerns for future traffic demand rise, the bridges have proved inadequate to handle traffic demand during peak travel times. There is also a need to provide a direct route for vehicles transporting hazardous materials while minimizing impacts to maritime industry in Mobile, AL.

Solution
Mott MacDonald, together with Thompson Engineering and HDR Inc., developed a strategic team to deliver on the ALDOT's largest transportation project to date. The Mott MacDonald team has transitioned to an owner's design manager role, providing plan reviews for roadway, bridge, utility, coastal engineering, interstate and aesthetic lighting for all segments of the project.

To increase the capacity of the I-10 system, the project involves 12 miles of improved roadway that includes a new 1,250-foot, six-lane cable stayed bridge over the Mobile River. Additional roadway and bridge improvements include six reconfigured interchanges, rehabilitation of existing interstate roadway and side roads, replacement of ancillary low-level bridges, and replacement of the 8-mile Bayway Bridge.

We developed integrated concept designs which were presented as the preferred alignment assigned to the Federal Highway Administration Final Environmental Impact Statement. During this initial phase of services, the overall team provided the following:

- Preliminary roadway and bridge designs.
- Development of technical provisions for several technical disciplines including Interstate, roadway, and aesthetic lighting and electrical.
- Cost estimating.
- A project-wide aesthetic plan, including lighting, landscaping, and architectural.
- Preparation of airspace studies for permitting with the Federal Aviation Administration.
- Identification of utility conflict and coordination with owners.

Outcome
Mott MacDonald was responsible for the development of 12 of the 21 planned interchange configurations and schematic designs. This included improvements to existing interchanges and the development of new interchanges along the I-10 corridor and US highway systems.

Close coordination with the ALDOT and Federal Highway Administration was key to streamlining the environmental and preliminary design process. The project was converted to two separate progressive design-build segments, which both kicked off in the summer of 2023. Mott MacDonald continues to provide Owner's Representation, Reviewing Development plans and analysis for the design-build packages.

Key personnel
Andrew Gibbs, PE, Bart Hendricks, PE, Ryan Brainard, PE, Richard Ferreira, EIT

Firm Name	Mott MacDonald	Discipline(s)*	Geotech, Other (Bridge, Project Management) Survey, Traffic		
Project name	**Rome-Cartersville Development Corridor**			Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Georgia Department of Transportation		
Project location	Bartow County, GA		Owner's Project Manger	Robert Goodwin	
Owner's address, phone, email	One Georgia Center, 600 West Peachtree St., NW, Atlanta, GA 30308, 404.402.5674, rogoodwin@dot.ga.gov				
Services commenced by this firm (mm/yy)	01/07		Total consultant contract cost ($1,000's)		$35,000
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$17,400
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

MAKING CONNECTIONS IN BARTOW COUNTY, GEORGIA

Following two previous efforts, Mott MacDonald is helping the Georgia Department of Transportation design a highway connection that will promote development and reduce traffic accidents.

Opportunity

The Georgia Department of Transportation (GDOT) identified a critical need to improve connectivity between US 411 and I-75 to reduce crash rates and support regional development. Without a direct connection, traffic volumes were projected to increase, leading to higher crash rates along connecting corridors between Rome and Cartersville. Safety was the primary driver for this project, alongside improving freight mobility and access to I-75.

Solution

Mott MacDonald served as the lead design consultant for the Rome-Cartersville Development Corridor, a 5.7-mile, four-lane highway connecting US 41/US 411 to Cass White Road. Our team delivered comprehensive engineering services aligned with LADOTD's IDIQ scope. We began with a detailed feasibility study to evaluate multiple corridor options, incorporating traffic modeling and crash data analysis to identify high-risk areas and predict future safety performance. Environmental and cultural resource assessments were conducted to minimize impacts, while geometric design and constructability reviews supported efficient construction and long-term durability. Safety performance metrics guided the selection of an alignment that reduced conflict points and allowed integration of high-mast lighting at critical interchanges.

Electrical design was a key component of our work. We developed high-mast lighting systems for the new I-75 interchange and the reconstructed US 41/US 411 interchange, producing photometric reports and engineering calculations to achieve uniform illumination and minimize glare. Our team prepared plans, specifications, and cost estimates for lighting infrastructure, reviewed shop drawings and submittals, and provided quality assurance throughout design and construction. Structural design included nine bridge widenings or replacements to improve capacity and safety, complemented by additional safety features such as five multilane roundabouts, two restricted crossing U-turn (R-CUT) intersections, and open-channel drainage systems with a depressed grass median for stormwater management. Extensive stakeholder engagement was also managed through a Citizens' Advisory Committee to maintain transparency and incorporate community input.

Outcome

- Construction plans are scheduled for completion in 2026, with full build-out by 2030. The project will deliver significant reductions in crash rates through improved interchange design, lighting, and intersection treatments. High-mast lighting will enhance nighttime safety by providing broad, uniform coverage, while bridge upgrades will improve structural integrity and traffic flow. The lighting systems are designed for lower lifecycle costs through fewer poles and simplified maintenance. Ultimately, the corridor will generate long-term economic benefits for Bartow and Floyd Counties by improving connectivity and freight mobility.

Key personnel

Bart Hendricks, PE
Andrew Gibbs, PE
Richard Ferreira, EIT

Firm Name	Mott MacDonald	Discipline(s)*	Environmental, Geotech, Other (Tunnel Structures, Architectural, ICA, Electrical, Fire Life Safety, Construction Management services, Program Management, Roadway Lighting, Tunnel Lighting), Planning, Right-of-Way, Road, Survey, and Traffic		
Project name	**Hampton Roads Bridge-Tunnel Expansion**			Firm responsibility (prime or sub?)	JV
Project number	0064-M06-032	Owner's name	Virginia Department of Transportation (VDOT)		
Project location	Hampton, VA		Owner's Project Manger	Lois Brais	
Owner's address, phone, email		Hampton Roads Connector Partners, 757.839.7321, lbrais@hrcpjv.com			
Services commenced by this firm (mm/yy)		12/18	Total consultant contract cost ($1,000's)		$3,300,000
Services completed by this firm (mm/yy)		Ongoing	Cost of consultant services provided by this firm ($1,000's)		$95,000
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

INCREASING TRAFFIC CAPACITY AND IMPROVING RESILIENCE ON THE HAMPTON ROADS BRIDGE-TUNNEL

To expand the Hampton Roads Bridge-Tunnel (HRBT), Hampton Roads Connector Partners is using the largest-diameter variable-density tunnel boring machine in the world.

The HRBT Expansion Project is a transformative infrastructure initiative led by the Virginia Department of Transportation (VDOT), designed to enhance traffic capacity and improve regional transportation resilience. This $3.3 billion endeavor represents the largest design-build contract ever awarded in Virginia and ranks among the most significant infrastructure projects in North America.

Opportunity

The existing HRBT facility spans 3.5 miles and comprises twin 1.5-mile tunnels, along with two miles of bridge and trestle structures. Originally designed for lower traffic volumes, the corridor now experiences congestion that exceeds its intended capacity. To address this, the expansion will introduce new twin 1.5-mile tunnels and parallel bridge structures, effectively doubling the corridor's capacity and improving traffic flow along the I-64 corridor.

Additionally, the project will upgrade and install advanced LED roadway and tunnel lighting systems across both existing and newly constructed infrastructure. These systems will feature adaptive lighting controls, integrated smart sensors, and high-lumen output fixtures designed to optimize visibility under varying traffic and weather conditions. The enhancements aim to significantly improve motorist safety, reduce maintenance cycles through longer fixture lifespans, and deliver a modern, energy-efficient lighting solution that meets current lighting and environmental standards across the entire 3.5-mile corridor.

Solution

The joint venture, Hampton Roads Connector Partners, was chosen to deliver this $3.3 billion project. Mott MacDonald serves as the design lead for geotechnical services, island expansion, tunnel and shaft design, floodgates, approach structures, and all mechanical, electrical, and plumbing facilities. In our design lead role, Mott MacDonald has overseen a multidisciplinary team of in-house designers and subconsultants to make 180 design submissions to VDOT over various design stages

Outcome

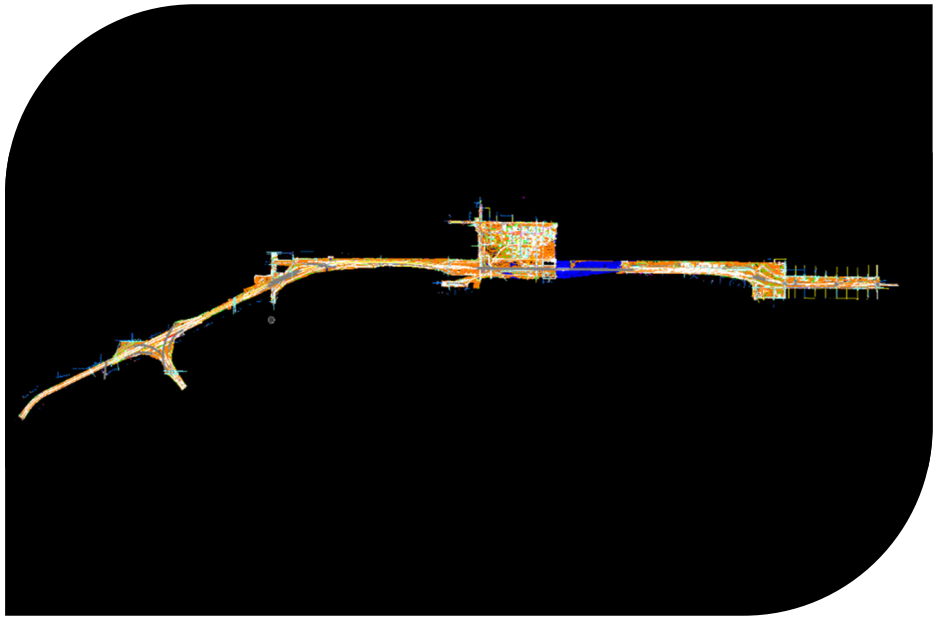
Upon completion, the HRBT will become the longest subaqueous highway tunnel in North America. The expansion is expected to significantly alleviate congestion, enhance travel reliability, and support economic growth by improving connectivity for thousands of daily commuters across the Hampton Roads region.

Key personnel

Lionel Lutley, PE
Christopher Lau, PE
Brandon Bergola, PE

Firm Name	Forte & Tablada	Discipline(s)*	Survey		
Project name	**Calcasieu River Bridge (HBI)**			Firm responsibility (prime or sub?)	Prime
Project number	H.003931	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Calcasieu Parish, LA		Owner's Project Manger	Stanley Ard	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70802, 225-379-1292, Stanley.Ard@la.gov			
Services commenced by this firm (mm/yy)		10/18	Total consultant contract cost ($1,000's)		$618
Services completed by this firm (mm/yy)		12/18	Cost of consultant services provided by this firm ($1,000's)		$618
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

Forte and Tablada completed this survey comprising of four task orders under multiple IDIQ Contracts for Professional Surveying Services for LADOTD. Spanning approximately seven miles, it involved a comprehensive topographic survey of interstate I-10, the I-10 Bridge over the Calcasieu River, and the Calcasieu River Ship Channel, with much of the work conducted within a high-traffic industrial area. Our team established primary survey control, including deep rod monuments meeting National Geodetic Survey standards, to ensure accurate data collection. We conducted a comprehensive topographic survey that met LADOTD On-System survey standards, utilizing conventional, terrestrial LiDAR, and Mobile LiDAR survey methods to minimize risks to field crews. LiDAR survey methods enabled detailed capture of deck and substructure features of multiple bridges. Additionally, we performed a multibeam hydrographic survey of the channel, adjacent water bodies, and canals within the project limits, which included identifying existing bridge substructures, fender systems, and debris, complemented by a magnetometer survey. Services also encompassed producing an existing drainage map covering the survey area and a half-mile perimeter beyond, as well as utility surveys assisted by a Subsurface Utility Engineer's utility locations. The project's magnitude necessitated the mobilization of up to 6 crews, demonstrating Forte and Tablada's capability to efficiently execute large-scale topographic survey tasks within condensed project timelines.



Key personnel
Ross Wilson, PLS
Tommy Lake, PLS
Noah Kimble
Brad Holleman, PE, PLS

Firm Name	Forte & Tablada	Discipline(s)*	Survey		
Project name	**I-10/ Loyola Interchange Improvements**			Firm responsibility (prime or sub?)	Sub
Project number	H.011670	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Kenner, LA		Owner's Project Manger	Tim Nickel, PE	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804; 225-379-1292; Timothy.Nickel@LA.gov				
Services commenced by this firm (mm/yy)	07/19		Total consultant contract cost ($1,000's)		$1,311
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$552
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

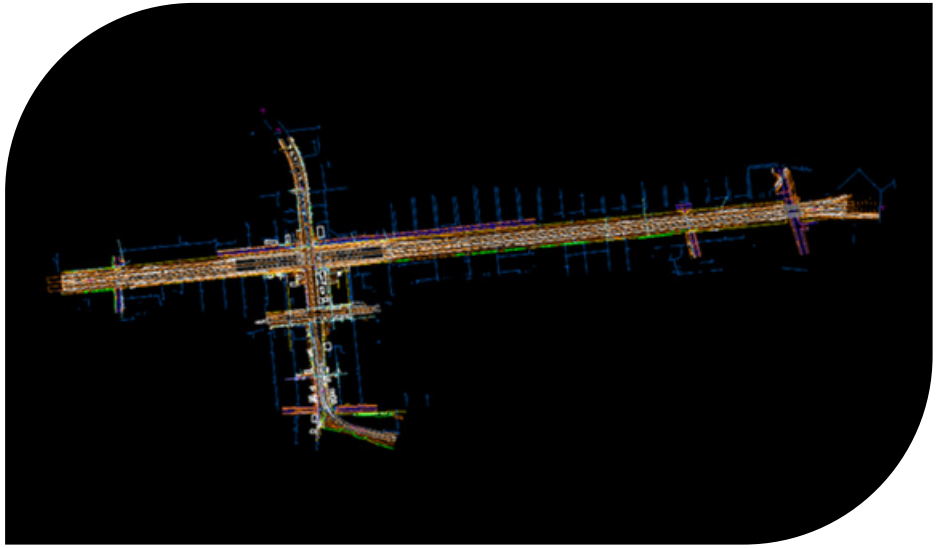
Forte and Tablada performed services as prime surveyor, overseeing QA/QC processes across collaborating survey firms in a comprehensive survey spanning from the Kenner levee to the Williams Blvd. off-ramp, including sections of Loyola Avenue and Veterans Blvd. Our oversight encompassed topographic surveys, property surveys, right-of-way mapping, right-of-way monument mapping, drainage surveys, and rigorous QA/QC oversight for this design-build initiative. During the collaborative effort, our expertise ensured seamless coordination and adherence to quality standards, underscoring our role in maintaining project integrity and success despite challenges such as the rapid subsidence of the Airport entryway in marshland terrain.

This project involved the surveying and mapping of over 35 separate properties, including the location of more than 150 property monuments, much of it being along areas of Control of Access. In addition to standard right-of-way tasks, key deliverables included:

- Acquisition Map Exhibits Act of Transfer Map: Mapping the transfer of road right-of-way between the City of Kenner and Louis Armstrong New Orleans International Airport.
- Special Map for Advanced Parcel Transfers: Creation of maps for early-stage land transfers.
- Right-of-Way Monumenting and Mapping.

This comprehensive survey meets the operational requirements of LADOTD for consultants on a right-of-way IDIQ contract, ensuring high-quality mapping deliverables and compliance across a broad range of tasks. It emphasizes the ability to deliver premium-quality results while managing compressed schedules.

Key personnel
Ross Wilson, PLS
Tommy Lake, PLS
Noah Kimble
Trenton Iglehart
Brad Holleman, PE, PLS



Firm Name	Forte & Tablada	Discipline(s)*	Survey		
Project name	**I-10 (LA 415 to Essen Lane on I-10 and I-12) Survey**			Firm responsibility (prime or sub?)	Sub
Project number	H.004100	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	East & West Baton Rouge Parishes, LA		Owner's Project Manger	Stanley Ard	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, 225-379-1292, Stanley.ard@la.gov				
Services commenced by this firm (mm/yy)	01/18		Total consultant contract cost ($1,000's)		$6,180
Services completed by this firm (mm/yy)	06/19		Cost of consultant services provided by this firm ($1,000's)		$1,490
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

Forte and Tablada, Inc. was responsible for a topographic survey of the I-10 corridor from approximately 500' East of Perkins Rd. to Essen Ln., and the I-12 corridor from the I- 10/I-12 Merge to Essen Ln. Responsibilities on this project were establishing horizontal and vertical control, establishing targets for Mobile LiDAR roadway scans to control precision, and performing a topographical survey to LA DOTD Standards. Forte and Tablada, Inc. was responsible for all field and office work within the above limits of survey as part of a team on the project. This project displays Forte and Tablada's ability to use advanced technology such as lidar scanning to conduct topographic surveys on bridge projects for LADOTD.

Key personnel
Ross Wilson, PLS
Tommy Lake, PLS
Noah Kimble
Trenton Iglehart
Brad Holleman, PE, PLS

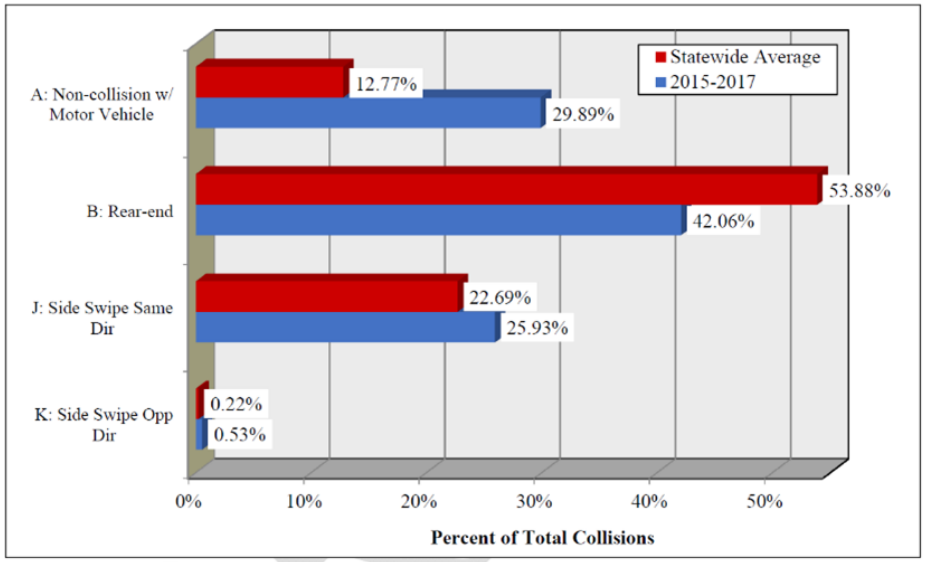
Firm Name	Urban Systems	Discipline(s)*	Other (TE/TM)		
Project name	**TMP for I-10 West of LA 108 and I-210 Interchange**			Firm responsibility (prime or sub?)	Sub
Project number	H.009620.5-1	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Calcasieu Parish, LA		Owner's Project Manger	Hadi Shirazi	
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70804, Hadi.Shirazi@la.gov				
Services commenced by this firm (mm/yy)	05/18		Total consultant contract cost ($1,000's)		Unknown
Services completed by this firm (mm/yy)	04/19		Cost of consultant services provided by this firm ($1,000's)		$70
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

The objective of this project was to assist with conducting a Level 4 Transportation Management Plan (TMP) based on LADOTD EDSM VI.1.1.8 to rubblize and overlay the US 90 bridge over I-10 in Calcasieu Parish, Louisiana. The objective of the TMP was to identify the challenges and to address strategies to minimize the traffic delays associated with the lane closures, demand volumes and incidents within the construction limits and primary detour roadways on I-10 and I-210 within the Lake Charles Metropolitan Area. This TMP was also updated for the I-210 Prien Lake Bridge Re-Decking and Safety Improvement Project (H.010916.5) dated January 2016.

Traffic data was reviewed within the study area and a field visit was conducted to verify information on roadway geometrics and traffic conditions. This data was summarized and submitted for inclusion in the TMP document.

A safety analysis was conducted based on LADOTD guidelines. Crash rates were calculated for each location and compared to LADOTD's statewide averages and to LADOTD's High Potential for Safety Improvements (formerly the Abnormally High Crash) List. Charts were developed at each location and compared to statewide averages based on various categories. Crash diagrams were also developed to document the number, location and type of crashes. Each crash report was reviewed for accuracy.

An alternative route analysis was conducted for an assessment of the proposed detour routes. The analysis also included a safety and mobility plan to gather and address concerns for the detour routes.



Key personnel
Nicole Stewart, PE, PTOE
Matthew Morgan, PE, PTOE

Firm Name	Urban Systems	Discipline(s)*	Traffic		
Project name	**LA 67 (Plank Road) over US 61 (Airline Highway) Level 3 TMP**			Firm responsibility (prime or sub?)	Sub
Project number	H.015424.5	Owner's name	Louisiana DOTD		
Project location	Baton Rouge, LA		Owner's Project Manger	Mark Elkassouf	
Owner's address, phone, email	P.O Box 94245, Baton Rouge, LA 70804, 225.379.1327				
Services commenced by this firm (mm/yy)	07/23		Total consultant contract cost ($1,000's)		Unknown
Services completed by this firm (mm/yy)	05/24		Cost of consultant services provided by this firm ($1,000's)		$29,600
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

Urban Systems prepared a Level 3 Traffic Management Plan (TMP) to facilitate repairs on LA 67 (Plank Rd) over US 61 (Airline Hwy) in East Baton Rouge Parish. The TMP, designed in alignment with LADOTD EDSM No. V1.1.1.8, addresses potential challenges and strategies to mitigate traffic delays due to lane and roadway closures within the construction zone, as well as on primary detour routes.

The scope of the TMP includes several key tasks:

Traffic Data Collection
Using LADOTD-provided 2018 AM and PM volumes, Urban Systems collected additional 7-day, 24-hour traffic counts, including vehicle classifications at critical points: Plank Rd NB at Airline Hwy NB onramp, Airline Hwy WB near Beechwood Dr, and Airline Hwy WB off-ramp west of Plank Rd NB exit. Peak turning movement counts (TMCs) were collected during AM, MIDDAY, and PM peak hours at the Plank Rd and Harding Blvd intersection. Deliverables included traffic volume printouts in 15-minute intervals, peak hour summary tables, and schematic diagrams showing count locations and data.

Existing Levels of Service Determination
Using Highway Capacity Manual (HCM) procedures, Urban Systems assessed existing Levels of Service (LOS) during peak hours at the Plank Rd and Harding Blvd intersection using HCS software. Deliverables included metrics such as Delay, 95% Queuing, and Volume/Capacity (V/C) ratios for each approach.

Safety Analysis
A safety assessment was conducted using three years of crash data to establish a Baseline Safety Performance review for Plank Rd within the project limits. Collision data were analyzed and compared to statewide averages, identifying potential mitigations to enhance construction zone safety.

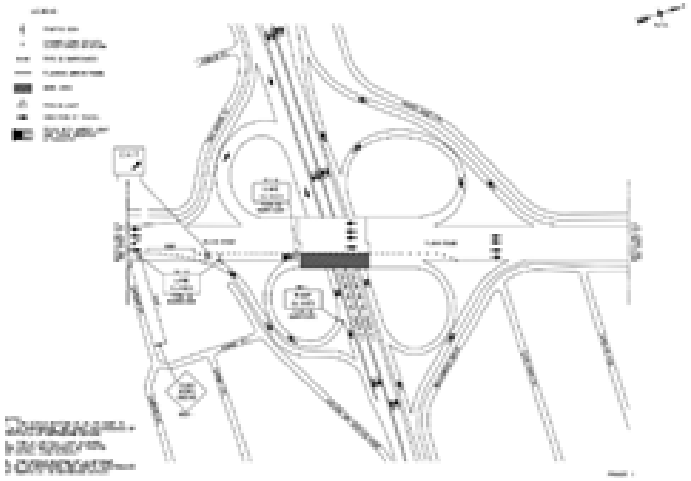
Alternate Route Analysis
Urban Systems evaluated detour routes based on collected traffic data, using HCS software to assess LOS at signalized intersections along the detour. Mitigations were proposed to address potential capacity and safety issues on detour routes.

Traffic Management Plan Document Preparation
A Draft Level 3 TMP document, including a Public Information Plan, was prepared and submitted to LADOTD in PDF format. The Public Information Plan outlined necessary steps for communicating road closure schedules and durations to the public.

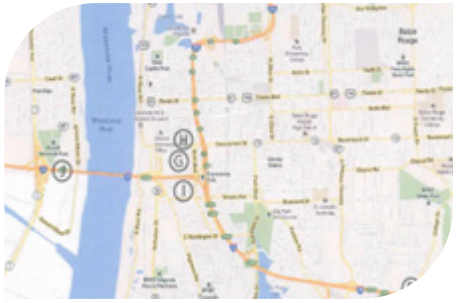
Stakeholder Involvement
Key stakeholders were identified, and Urban Systems collaborated with them to minimize project impact on local businesses and the public. A stakeholder meeting was held at DOTD, during which the TMP and traffic control plans were presented. Minutes from the meeting were recorded and submitted for review.

Urban Systems' TMP for LA 67 over US 61 allows for a well-coordinated approach to managing traffic disruptions and enhancing safety for all road users within the project area.

Key personnel
Alison Michel, PE, PTOW, PTP, RSP
Nicole Stewart, PE, PTOE
Matthew Morgan, PE, PTOE

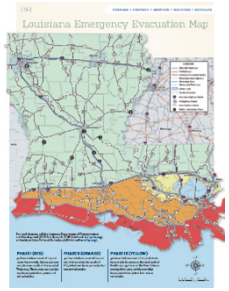


Firm Name	Urban Systems	Discipline(s)*	Traffic		
Project name	**Retainer Contract for Engineering services for Bridge Preventive Maintenance Program**			Firm responsibility (prime or sub?)	Sub
Project number	Contract No. 4400002184	Owner's name	Louisiana Department of Transportation and Development (LADOTD)		
Project location	Statewide, LA		Owner's Project Manger	Danny Tullier	
Owner's address, phone, email		1201 Capitol Access Road, Baton Rouge, LA 70804, 225-379-1355, Danny.Tullier@LA.GOV			
Services commenced by this firm (mm/yy)		06/12	Total consultant contract cost ($1,000's)		Unknown
Services completed by this firm (mm/yy)		03/14	Cost of consultant services provided by this firm ($1,000's)		$122,300
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					



Bridge Preventative Maintenance District 61- SP H.000351

A Level 4 Transportation Management Plan (TMP) was conducted based on LADOTD EDSM VI.1.1.8 for bridge component repairs at five locations on I-10, I-110 and I-12 in Baton Rouge, Louisiana. A TMP was critical for these locations as the interstates serves up to 85,000 vehicles per day and closing lanes and/or ramps would have a significant impact on mobility. This Level 4 TMP included traffic data collection, queue analysis, safety analysis, stakeholders meeting and work zone impacts.



Bridge Preventative Maintenance District 08- SP H.000792

Urban Systems conducted a Level 2 Transportation Management Plan for 16 bridges at various locations all in District 08. A detour analysis was required for one bridge, the US 165 on-ramp to Hwy 167. The signalized intersections along the detour route were evaluated to ensure acceptable traffic operations during construction. Traffic control details were identified for all locations and evacuation strategies were identified for the bridges that were listed as an evacuation route.

Port Allen Canal Bridge SP H.001234.5

The objective was to conduct a Level 3 Transportation Management Plan (TMP) based on LADOTD EDSM VI.1.1.8 for reconstruction of two bridge structures over the Intracoastal Waterway (ICWW) in Port Allen, Louisiana. A TMP was critical for this location as the LA 1 bridges serves as the major crossing of the ICWW and serves up to 45,000 vehicles per day. An important aspect of this project was how to minimize construction impacts on an already congested roadway section.

Construction of the new bridge structures required local roadway closures in the project limits that will result in the rerouting of traffic for three scenarios. Traffic was rerouted and the roadway network was assessed with an alternate route analysis to recommend mitigations to minimize congestion and delays during construction.

Key personnel

Alison Michel, PE, PTOW, PTP, RSP
Nicole Stewart, PE, PTOE
Matthew Morgan, PE, PTOE

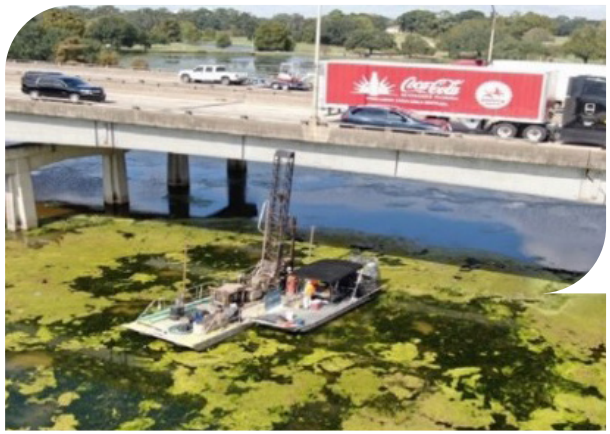
Firm Name	A P S Engineering and Testing, LLC	Discipline(s)*	Geotech		
Project name	**I-10 Widening LA 415 to Essen LN**			Firm responsibility (prime or sub?)	Prime
Project number	H.004100	Owner's name	Louisiana DOTD		
Project location	Baton Rouge, LA		Owner's Project Manger	Kristy Smith, PE	
Owner's address, phone, email	1201 Capital Access Rd., Baton Rouge, LA 70802-4438/ 225-379-1016/ kristy.smith2@ls.gov				
Services commenced by this firm (mm/yy)	09/2019		Total consultant contract cost ($1,000's)		N/A
Services completed by this firm (mm/yy)	Ongoing		Cost of consultant services provided by this firm ($1,000's)		$600
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

Comprehensive Geotechnical Investigation and Design Support-A P S Engineering and Testing, LLC performed a comprehensive geotechnical investigation to provide the client with all necessary subsurface information for the planning and design of the I-10 widening project between the Washington Street Exit and LSU Lakes. The scope included the drilling and sampling of 77 deep borings, consisting of 16 over-water borings and 61 land borings, strategically located to address anticipated deep foundation and MSE Walls design needs. Our field operations incorporated multiple drilling techniques to address varying site conditions, and all sampling was conducted in accordance with ASTM and DOTD standards. The project required complex over-water operations with specialized equipment mobilization and safety compliance procedures. Laboratory testing was performed exclusively in our AASHTO-Accredited Geotechnical Laboratory, including:

- Soil Classification – ASTM D2487 (Unified) / ASTM D3282 (AASHTO)
- Natural Moisture Content – ASTM D2216
- Liquid limit, plastic limit, and plasticity index (ASTM D4318)
- Grain Size Analyses – ASTM D422
- Minus No. 200 Wash Sieve Analysis – ASTM D1140
- Unconsolidated Undrained (UU) Triaxial Tests – ASTM D2850
- One-Dimensional Consolidation Testing – ASTM D2435
- Specific Gravity – ASTM D854

All results were subjected to QA/QC review by senior geotechnical engineers, ensuring that the design team received reliable engineering parameters for design. As a result, a geotechnical report was prepared with site-specific design recommendations for deep foundations, embankment stability, and MSE wall structures, enabling the client to move forward with confidence in the design phase.

Key personnel
Sergio Aviles, PE
Sai Eddanapudi, PE, ME



Firm Name	A P S Engineering and Testing, LLC	Discipline(s)*	Geotech		
Project name	**Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge**			Firm responsibility (prime or sub?)	Sub
Project number	H.001352; H.002273	Owner's name	Huval & Associates, Inc.		
Project location	East Baton Rouge, LA		Owner's Project Manger	Thomas M. Gattles III, PE	
Owner's address, phone, email		922 West Don't des Mouton Rd,. Lafayette, LA 70507 / 337-264-3798/ tgattle@huvalassoc.com			
Services commenced by this firm (mm/yy)		11/2019	Total consultant contract cost ($1,000's)		N/A
Services completed by this firm (mm/yy)		06/2022	Cost of consultant services provided by this firm ($1,000's)		$150
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

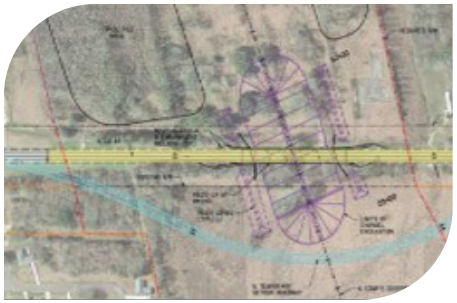
Comprehensive Geotechnical Investigation and Design Support-A P S Engineering and Testing, LLC provided complete geotechnical services to support the planning, design, and construction of multiple structures along the LA-19 corridor, including the LA-19 bridge (slope stability/embankment), LA-19 railroad bridge (embankment/MSE wall settlement/retaining wall), LA-19 twin bridges, and the LA-67 bridge (prestressed concrete piles). The investigation included drilling and sampling of 19 deep borings ranging from 50 ft to 120 ft, followed by an extensive laboratory testing program in our AASHTO-accredited laboratory including:

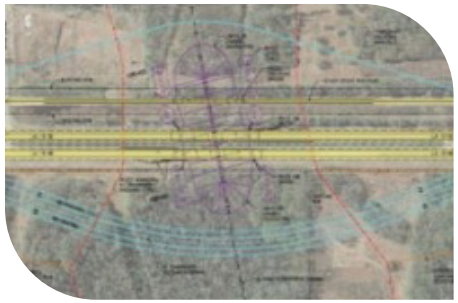
- Moisture content (ASTM D2216)
- Liquid limit, plastic limit, and plasticity index (ASTM D4318)
- Unconsolidated-Undrained triaxial compression (ASTM D2850)
- One-Dimensional Consolidation (ASTM D2435)

All data was analyzed to develop the geotechnical design parameters for Slope Stability, Settlement, MSE wall, and Deep Foundations design. As the project advanced into construction, A P S was also retained by DOTD to provided full geotechnical engineering services during construction, services included:

- PDA instrumentation and CAPWAP analysis for driven piles
- Field inspection and verification of test piles
- Construction Materials Testing (CMT) for soils, concrete, and aggregates

Key personnel
Sergio Aviles, PE
Sai Eddanapudi, PE, ME





Firm Name	A P S Engineering and Testing, LLC	Discipline(s)*	Geotech		
Project name	**US-90 Railroad Overpass (S. East of LA-85)**			Firm responsibility (prime or sub?)	Sub
Project number	H.010155	Owner's name	Shread-Kurykendall & Associates, Inc		
Project location	Iberia Parish, LA		Owner's Project Manger	Nicci D. Gill	
Owner's address, phone, email	13016 Justice Ave., Baton Rouge, LA 70816/ 225-296-1335/ ngill@skanger.com				
Services commenced by this firm (mm/yy)	11/2019		Total consultant contract cost ($1,000's)		N/A
Services completed by this firm (mm/yy)	12/2023		Cost of consultant services provided by this firm ($1,000's)		$105
Describe the project including the firm's role and members involved. (Highlight staff to be used in this proposal.)					

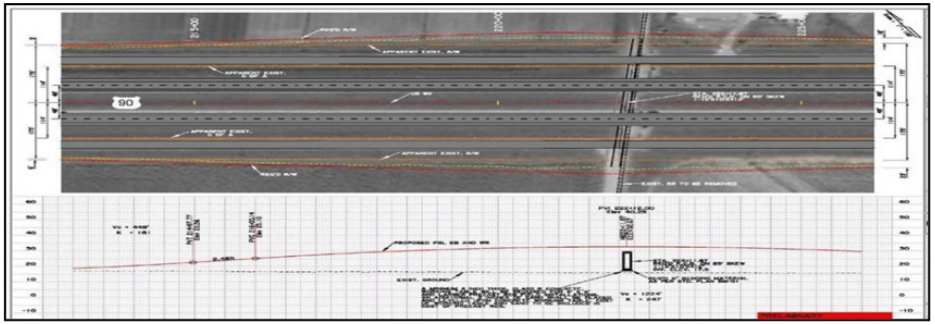
Comprehensive Geotechnical Investigation and Design for 2,400-Foot Span Bridge-A P S Engineering and Testing, LLC performed full-service geotechnical investigation and engineering analysis to support the planning and design of a 2,400-foot bridge. The scope work included drilling twelve (12) borings to depths of 120 ft, with continuous undisturbed sampling from the ground surface to 20 ft and at 5-ft intervals thereafter to ensure high-quality data for design purposes.

All laboratory testing was performed in our AASHTO-accredited laboratory following ASTM standards, including:

- Visual description and classification of soils (ASTM D2488)
- Moisture content (ASTM D2216)
- Minus No. 200 Wash Sieve Analysis – ASTM D1140
- Liquid limit, Plastic limit, and Plasticity index (ASTM D4318)
- Unconsolidated-Undrained triaxial Compression (ASTM D2850)
- One-Dimensional Consolidation (ASTM D2435)

The engineering analysis included Slope Stability, Settlement analysis, MSE wall design, and deep Pile foundations design recommendations, ensuring a complete geotechnical design report. Recommendations were also provided for constructability and long-term performance of the bridge foundations.

Key personnel
Sergio Aviles, PE
Sai Eddanapudi, PE, PE



18. Approach and Methodology:

Summary of experience

Mott MacDonald offers proven electrical leadership tailored to LADOTD's priorities, supported by established offices in New Orleans and West Monroe. Our team combines local responsiveness with a nationwide network of electrical and lighting experts, delivering innovative, cost-effective solutions informed by lessons learned across multiple DOTs. This experience enables us to standardize equipment and methodologies, streamline design processes, and enhance system resilience and efficiency.

Leading the team is **Project Manager Antonio Gonzalez, PE**, a seasoned electrical engineer with extensive LADOTD and FDOT experience in roadway lighting design and both design-bid-build and design-build delivery. He is supported by **Principal-in-Charge Andrew Gibbs, PE**, with 17 years of lighting design expertise; **Deputy Project Manager Austin Kittok, PE**, leads Louisiana operations and provides seamless coordination with subconsultants, daily local responsiveness, and immediate field support for LADOTD; and **Roadway Lighting Task Lead Kim Molloy, LC, PMP** a nationally recognized expert and IES committee leader with 28 years of experience shaping national lighting standards.

To strengthen our in-house capabilities, we partner with three Louisiana-based firms with proven LADOTD performance. These subconsultants provide essential services for this contract, including topographic survey, geotechnical engineering, and traffic engineering.

The Mott MacDonald team offers LADOTD a unique advantage: the strength of national expertise combined with the insight of trusted Louisiana partners. We bring lessons learned from delivering complex roadway lighting projects across the country, applying proven strategies to reduce costs, streamline design, and enhance system resilience. Our local subconsultants add critical knowledge of Louisiana's standards, operational practices, and field conditions—ensuring solutions that are practical, responsive, and tailored to LADOTD's statewide program. Together, this integrated team delivers resilient, efficient, and safe electrical designs backed by experience where it matters most: on Louisiana's roads and interstates.

Strategies for success

Mott MacDonald will engage LADOTD staff responsible for lighting and electrical systems to identify deficiencies, define improvements, and coordinate with existing infrastructure. We will develop a clear phasing plan and provide ongoing support throughout implementation.

SUBCONSULTANT	VALUE ADDED
Forte and Tablada, Inc. *Survey*	Louisiana-based engineering and surveying firm with over 60 years of experience delivering civil, structural, electrical, and environmental solutions across the Gulf South. Experience providing topographic survey through IDIQ contracts.
APS Engineering and Testing, LLC (DBE) *Geotechnical*	Specializes in geotechnical and environmental engineering for LADOTD contracts. Known for delivering smarter solutions, faster results, and cutting-edge laboratory services with quick turnaround times.
Urban Systems, Inc. (WBE) *Traffic engineering*	Specializes in traffic engineering and transportation planning across Louisiana with a strong reputation for technical expertise and innovative solutions. Committed to enhancing quality of life, USI partners with public and private clients to deliver comprehensive, multi-modal transportation solutions while fostering leadership and integrity within its team.

Constructability will be integrated into every design phase, with attention to limited overnight shutdown windows. Our approach delivers practical, buildable solutions aligned with operational constraints. Using our advanced digital platform, Moata, we enable early feasibility assessments, optimize phasing strategies, and minimize operational disruptions for LADOTD. This approach accelerates decision-making, reduces risk, and ensures cost efficiency throughout the project lifecycle.

Figure 18-1. Mott MacDonald utilization of Moata to assist with construction sequencing to minimzize traffic impacts to the public on City of New Orleans Department of Public Works Project RR403

Project management

Leadership and oversight

Project Manager Antonio Gonzalez, PE will lead all task orders, monitoring progress, staffing, and deliverables. Adjustments will be made promptly when variances occur to maintain alignment with project goals and LADOTD requirements.

Communication and coordination

Regular communication is central to our process. Monthly progress meetings with LADOTD will address schedules, budgets, staffing, inspection activities, and administrative items. Action items are documented and distributed promptly after each meeting. Coordination extends beyond LADOTD to local agencies, utility companies, and other stakeholders to prevent conflicts and maintain operational continuity.

Task order planning

For each task order, Antonio prepares a Project Plan of Work (PPW) that defines scope, schedule, safety requirements, deliverables, and communication protocols. This plan reflects LADOTD standards and is submitted for review prior to implementation.

Schedule management

Schedule control is achieved through industry-standard tools such as Microsoft Project and Primavera, supporting accurate sequencing, resource allocation, and milestone tracking. Electrical work is phased strategically to maintain traffic signal and ITS functionality, with temporary power solutions applied where needed.

Document and information management

Document and information management is handled through a secure, structured framework using ProjectWise, SharePoint, and Microsoft Teams. These platforms provide controlled access to design files, centralized storage, and real-time collaboration, giving LADOTD timely access to accurate project data.

Change control and subconsultant oversight

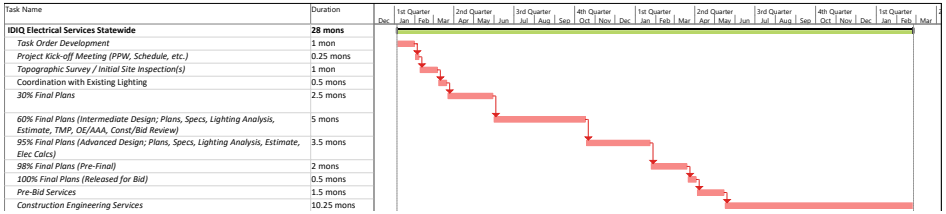
Scope changes follow a formal process requiring LADOTD approval. All modifications are documented for transparency and traceability. Subconsultant performance is tracked by Deputy Project Manager Austin Kittok, PE, who confirms deliverables align with LADOTD standards and project timelines.

Risk and issue management

Risk management is embedded throughout the process. Potential issues are identified early and addressed before they impact schedule or cost. Our team maintains open communication with LADOTD to resolve challenges quickly and constructively.

Project understanding and schedule

Mott MacDonald is prepared to perform a variety of Task Orders under this IDIQ, following the general sequence and key tasks shown below.



Task Name	Duration
IDIQ Electrical Services Statewide	**28 mons**
Task Order Development	1 mon
Project Kick-off Meeting (PPW, Schedule, etc.)	0.25 mons
Topographic Survey / Initial Site Inspection(s)	1 mon
Coordination with Existing Lighting	0.5 mons
30% Final Plans	2.5 mons
60% Final Plans (Intermediate Design; Plans, Specs, Lighting Analysis, Estimate, TMP, OE/AAA, Const/Bid Review)	5 mons
95% Final Plans (Advanced Design; Plans, Specs, Lighting Analysis, Estimate, Elec Calcs)	3.5 mons
98% Final Plans (Pre-Final)	2 mons
100% Final Plans (Released for Bid)	0.5 mons
Pre-Bid Services	1.5 mons
Construction Engineering Services	10.25 mons

Figure 18-2. Proposed project schedule.

Project kickoff

Prior to the kickoff meeting, Mott MacDonald will coordinate with our subconsultants to align on staffing, lessons learned, and best practices, allowing LADOTD to receive a unified, efficient, and safety-focused project approach. Before each task order is issued, we will work closely with LADOTD to define the scope, establish procedures, confirm deliverables, and set schedules. Once the Notice to Proceed is received, our team will lead a design kickoff meeting with LADOTD and all relevant stakeholders—including District personnel, parish and local governments, and utility companies. This meeting will present Mott MacDonald's staffing plan, confirm design criteria, and review project deliverables, while also gathering input on ongoing projects, design preferences, and any special conditions to be incorporated—so each task order reflects both national best practices and Louisiana's local priorities.

Geotech

APS Engineering and Testing will provide geotechnical services to support interstate roadway lighting projects, leveraging extensive experience performing borings within interstate rights-of-way across Louisiana. Their work complements the survey and design phases by characterizing subsurface conditions and delivering foundation recommendations that meet LADOTD requirements.

Topographic survey

Forte and Tablada brings extensive experience delivering topographic surveys for LADOTD through multiple IDIQ contracts, including assignments along interstate rights-of-way. Our team understands the safety considerations and coordination required in these environments, where traffic volumes and limited access demand careful planning. With ATSSA-certified crews, advanced traffic control strategies, and coordination with LADOTD district offices, survey operations are conducted to promote both safety and efficiency. This structured approach, combined with Forte and Tablada's proven IDIQ experience, provides LADOTD with survey data that supports electrical design, and photometric analysis, for statewide projects.

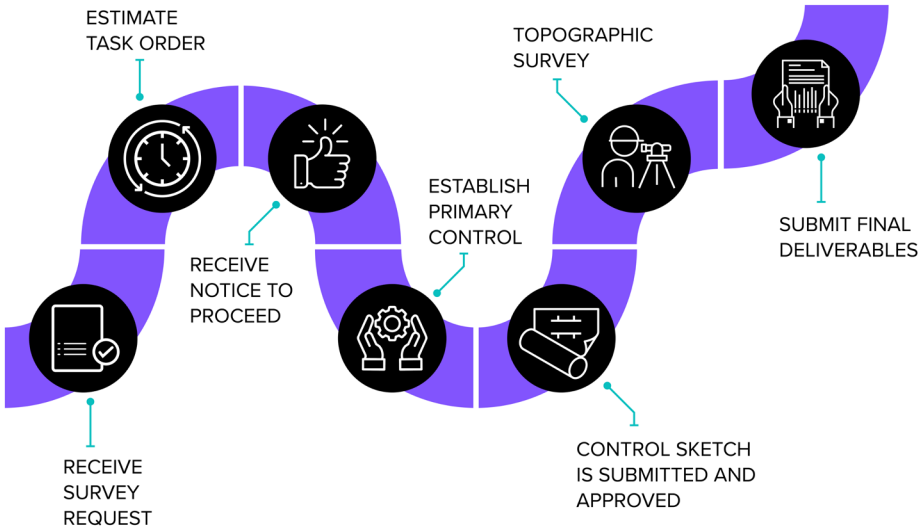


Figure 18-3. Forte & Tablada survey approach for all Task Orders on this contract.

Design phase

For each Task Order, Mott MacDonald will deliver a structured series of design submissions to provide LADOTD with clear, accurate, and fully coordinated deliverables:

- **30% Preliminary Plans** – Initial design plans, construction cost estimate with pay item breakdown, and preliminary roadway illumination analysis and report. At this stage, Urban Systems, Inc. (USI) will prepare preliminary Traffic Management Plan (TMP) concepts, identifying applicable Temporary Traffic Control (TTC) Details and outlining site specific considerations for early coordination of traffic impacts.
- **Illumination Analysis Report** – Prior to submission of 60% Final Plans, Mott MacDonald will develop an illumination analysis and submit a complete report to DOTD for review, updating and resubmitting with each subsequent plan deliverable. The Illumination Analysis Report will include all roadways and/or interchanges within the project limits and conform to applicable industry and LADOTD standards. The Illumination Analysis Report will provide calculated statistical data such as
  - Average foot-candles
  - Average-to-minimum ratio
  - Maximum-to-minimum ratio
  - Veiling luminance
  - Luminaire, light loss factor, and general information
- **60% Final Plans** – Updated design plans, revised cost estimate, revised illumination analysis and report, and draft technical special provisions (TSPs) and equipment description lists for lighting and electrical equipment. The majority of traffic sequencing will be developed at this stage, with USI preparing detailed Traffic Control Device Plans, Work Zone Impact Management Strategies, and queue analyses for interstate lane closures to establish work hour restrictions. A Plan Constructability / Biddability Review & Obstruction Evaluation / Airport Airspace Analysis (OE/AAA) will also be developed at this stage.
- **95% Final Plans** – Advanced design plans, revised cost estimate, updated illumination analysis and report, and revised TSPs. Traffic sequencing will be refined based on LADOTD review and stakeholder input. Beginning with the 95% Final Plans, the following electrical calculations will be submitted:
  - Voltage Drop for Service Points, Branch Circuits, etc.
  - Fault current for Service Points
  - Conduit fill for all circuits
  - Preliminary Short Circuit and Arc Flash Hazard Analysis Report
- **98% Final Plans** – Near final design plans, revised cost estimate, updated illumination analysis and report, revised TSPs, and electrical calculations. TMPs and traffic sequencing will be finalized for constructability and compliance.
- **100% Final Plans (Consultant's Project Delivery)** – Complete final deliverables, including fully coordinated traffic management documentation.

Each submission will include a LADOTD review period followed by a comment resolution meeting for alignment and responsiveness. All designs will be developed in full compliance with LADOTD standards and requirements, including:

- LADOTD Illumination and Electrical Standards
- A Guide to Constructing, Operating, and Maintaining Highway Lighting Systems
- IES Standards and ANSI/IES RP 8
- LADOTD Electrical Plan Layout and Presentation requirements
- Louisiana Standard Specifications for Roads and Bridges (LSSRB)
- NFPA 70 (National Electrical Code) and NFPA 70E (Electrical Safety in the Workplace)
- LADOTD Geotechnical Design Manual, Bridge Design and Evaluation Manual, and Technical Memoranda
- AASHTO Design Guides and all other applicable codes

Lighting calculations will be performed using LADOTD approved software (AGI32, Acuity Visual), while short circuit and arc flash hazard analyses will be performed in accordance with IEEE 1584b and NFPA 70E using SKM Power Tools.

Prebid Phase

Mott MacDonald will respond promptly to all prebid RFIs, providing official responses and issuing plan revisions as necessary for clarity and accuracy. Following bid submission, we will conduct a thorough bid review analysis and provide LADOTD with an official response, supporting transparency and informed decision making.

Construction Phase

Our team provides structured support during construction to maintain quality and compliance with LADOTD standards. A written plan outlining scope and schedule will serve as the baseline for tracking progress. Monthly progress reports will include narrative assessments, milestone tracking, and early identification of issues requiring LADOTD attention.

Preconstruction Conference – Our team will actively participate, establishing construction procedures, reviewing document distribution and submittal requirements, and addressing contractor concerns. Attendance by our Design Engineer is mandatory to provide technical expertise. Documented proceedings will be issued to LADOTD.

Shop Drawings – We will review and approve all shop drawings and equipment submittals, maintain a comprehensive submittal log, and promptly notify LADOTD of any issues that could impact schedule.

Short Circuit and Arc Flash Hazard Analysis – Conducted post installation using field verified data, this analysis will confirm incident energy levels and verify proper labeling of electrical equipment in compliance with IEEE 1584b and NFPA 70E.

Operation and Maintenance Manuals – Reviewed for completeness and compliance with §822 of the LSSRB, then distributed per procedures established at the preconstruction conference.

As Built Plans – Tracked throughout construction and reviewed by our Design Engineer for accuracy and integration with O&M documentation.

RFIs – Managed using LADOTD's standard form, with a detailed log maintained to capture timely resolution and clear communication.

Site Inspections – Our team will conduct periodic inspections to monitor progress and verify proper installation of electrical equipment. Inspection timing will be coordinated with the LADOTD Project Engineer and Statewide Electrical Inspector. Attendance by our Design Engineer is required unless LADOTD grants written pre-approval. After each visit, we submit a report documenting observations, compliance checks, and any issues. Inspections are defined per project and serve as targeted audits rather than full reviews.

Prefinal and final inspections – Our team will prepare punch lists, verify completion of corrective actions, and confirm compliance with plans and specifications. Task orders will be considered complete upon LADOTD's final acceptance of the project or O&M manuals.

19. Workload:

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1. one of the team's firms is responsible for the performance of the work;
2. authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
3. the work has not yet been performed and invoiced; and
4. the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.

List only the portion of the fees attributable to firms on the team.

Firm(s)	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Mott MacDonald, LLC	(Other) Tunnels	44-19580/H.010673	S90Z: HARVEY CANAL TUNNEL REHABILITATION STATE PROJECT	$166,367
Mott MacDonald, LLC	(Other) Tunnels	44-19580/H.011972	LA 3040: HOUMA TUNNEL REHABILITATION STATE PROJECT	$147,930
APS Engineering	CE&I/OV	4400024653/ H.01254.6	Wiggins Bayou Bridge	$26,191
APS Engineering	Geotech	4400019337/ H.014247	LA 399 Bridges Near Fullerton	$24,307
APS Engineering	Geotech	4400019337/ H.014245	LA 119; Bayou Pierre & Creek Bridges	$23,654
APS Engineering	Geotech	4400024653/ H.014982.5	Marathon Rd over Dry Creek	$22,677
APS Engineering	Geotech	4400019011/ H.012068.5	LA 1026 Creek Bridge	$10,125
APS Engineering	Geotech	4400024653/ H.014978.5	Bellard Loop over Untamed Drainage Ditch	$16,262
APS Engineering	Geotech	4400024653/ H.016323.5	LA 37 Glass Branch Bridge	$3,352
APS Engineering	Geotech	4400024653/ H.016326.5	LA 36 Drain Bridge Pearl	$6,015
APS Engineering	Geotech	4400024653/ H.004005.5	I-10 LA415 to Essen Lane on I-10 and I-12	$55,900
Forte and Tablada	Bridge, Survey	4400021594/H.011965.6	Task Order No. 2 - IWGO Bridge Rehabilitation (Drone Fly-over)	48,661
Forte and Tablada	Bridge	4400021594/H.000303.6	Task Order No. 3 - Danziger Bridge Rehabilitation	4,521
Forte and Tablada	Bridge	4400021594/H.009730.5	Task Order No. 4 - In Depth Bridge Inspection T-1 Steel Weld Assessment	562
Forte and Tablada	Bridge	4400021594/H.015228.5	Task Order No. 5 - LA 70: Sunshine Bridge Emer Truss Re-pair	13

19. Workload:

Firm(s)	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Forte and Tablada	Bridge	4400021594/H.009859.5	Task Order No. 6 - Load Rate Selected Statewide Bridges	1,051,112
Forte and Tablada	Bridge	4400021594/H.009730.5	Task Order No. 8 - In-Depth Bridge Inspections	146,117
Forte and Tablada	Bridge	4400021594/H.015546.6	Task Order No. 9 - Caplis Sligo Road Over Red Chute Bay-ou	5,244
Forte and Tablada	Bridge	4400021594/H.009859.5	Task Order No. 10 - Statewide Bridge Rating	1,093,134
Forte and Tablada	Bridge, Survey	4400024589/H.014990.5	OSBR S. Tiger Bend Rd & East Achord Rd Bridges	7,428
Forte and Tablada	Bridge, Survey	4400013387/H.013137.5	OSBR Ouachita	23,249
Forte and Tablada	Bridge, Survey	4400019864/H.014318.5	OSBR Gurney Road Bridges	4,708
Forte and Tablada	Bridge	4400025037/H.014994.5	OSBR Bonne Idee Rd over Bonne Bayou	3,487
Forte and Tablada	CE&I/OV	4400023837/H.013090.6	Gretna Downtown Pedestrian Improvements	9,160
Forte and Tablada	CE&I/OV	4400023837/H.009290.6	LSU Laboratory School SRTS Project	5
Forte and Tablada	Survey	4400021532/H.012068.5	LA 1026: Creek Bridge	10,719
Forte and Tablada	Survey	4400021532/H.010116.5	LA 1088: Soult & Trinity Roundabouts	22,187
Forte and Tablada	Survey	4400021532/H.012059.5	LA 19: Bridges near Zachary	19,490
Forte and Tablada	Survey	4400021532/H.013195.5	LA 98 Curve Realignment	14,820
Forte and Tablada	Survey	4400021532/H.013941.5	LA 724: Roundabout @ Landry Road	9,872
Forte and Tablada	Survey	4400021532/H.005734.5	LA 447 Corridor Study	109,275
Forte and Tablada	Survey	4400013387/H.014416.5	LA 3125 @ LA 3274 Roundabout	612
Forte and Tablada	Survey	4400021532/H.012563.5	LA 73: Bayou Manchac Bridge (HBI)	461
Forte and Tablada	Survey	4400027919/H.000688.5	US 11: Norfolk Southern RR Overpass (HBI)	182,532
Forte and Tablada	Survey	4400027919/H.015587.5	LA 3211 @ Yokley Rd Roundabout	14,063
Forte and Tablada	Survey	4400027919/H.016095.5	LA 70 Rehab: Marguerite St. to US 90	34,803
Urban Systems	Traffic	No. 4400023909 H.015963	US 165 Red River Ped gates	$1.6K

19. Workload:

Firm(s)	Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Urban Systems	Traffic	No. PSLC-STJ-Supp-2 H.004891	Reserve to I-10	$1.8K
Urban Systems	Traffic	No. H011221.5, H.011222.5; No.4400022581	I-10: N.O. CBD3 (Poydras- Louisa) & I-10:N.O CBD4 (Louisa – I-510)	$30.7K

(Add rows as needed) DO NOT SUM

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

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

20. Certifications/Licenses:

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

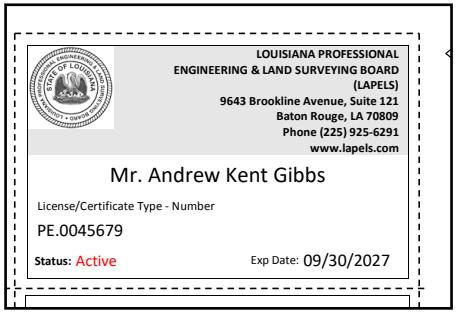
The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

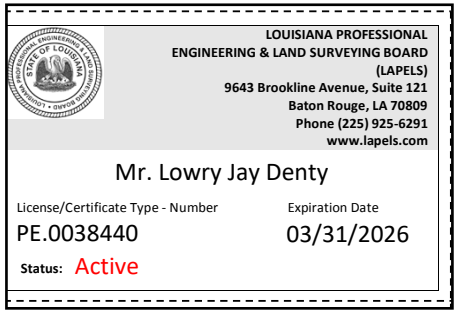
Name: Mott MacDonald, LLC

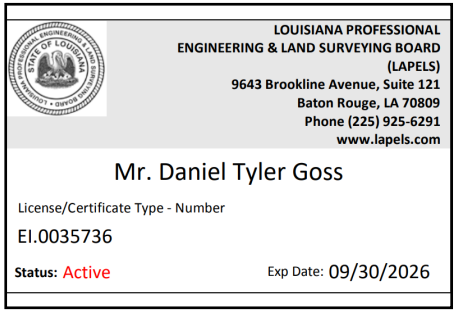
Public Address: 111 Wood Avenue South

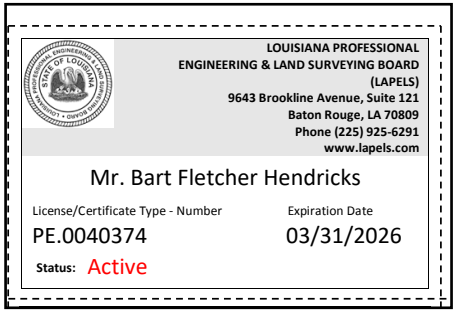
License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003450	Active	04/18/2006	09/30/2026	Mr. Thomas Louis Ussery III # PE.0035157 ; Mr. James Brent Rawson # PE.0022345









National Highway Institute

Certificate of Training

Christopher Lau

has participated in

130125 Tunnel Safety Inspection Refresher ILT

hosted by

BSCES

Date: March 30 - April 1, 2021 *Hours of Instruction:* 17

Location: Online Delivery, MA

Instructor

Instructor

Richard Keenan
Local Coordinator

Thomas Harman
Thomas Hanson, Director
National Highway Institute

The Transportation Professional Certification Board

Certifies that

Mr. Garakhalli S. Mohan, P.E., PTOE

successfully renewed the Professional Traffic Operations Engineer® certification

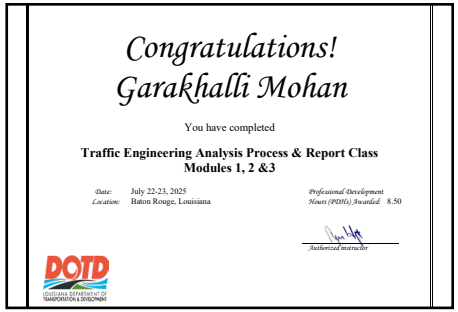
Original Certification Date: 7/27/2005

Certification Valid Through: 7/27/2026

Jeffrey F. Paniati,
Executive Director and CEO

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

Certification Number: 1652



Congratulations!
Garakhalli Mohan

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

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Mansoor Bajwa
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.

State of Louisiana
Department of Transportation and Development

Mansoor Bajwa

has met the requirements for certification as a(n):

Asphalt Concrete Paving Inspector

61 ND

Expiration Date: 4/6/2025

ATSSA American Traffic Safety Services Association

This is to affirm that

Mansoor Bajwa

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 8/23/2023

Exp. Date 8/22/2027

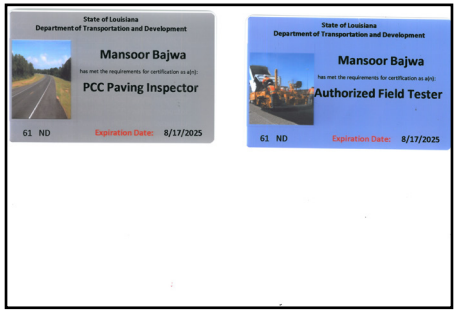
State Issued LA

ATSSA
Instructor Name

Instructor Signature

A1000130098

Verify at Flagger.com



State of Louisiana
Department of Transportation and Development

Mansoor Bajwa

has met the requirements for certification as a(n):

PCC Paving Inspector

61 ND

Expiration Date: 8/17/2025

State of Louisiana
Department of Transportation and Development

Mansoor Bajwa

has met the requirements for certification as a(n):

Authorized Field Tester

61 ND

Expiration Date: 8/17/2025

State of Louisiana
Department of Transportation and Development

Mansoor Bajwa

has met the requirements for certification as a(n):

Structural Concrete Inspector

02 ND

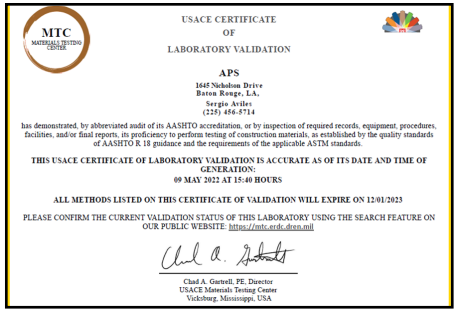
Expiration Date: 5/13/2027

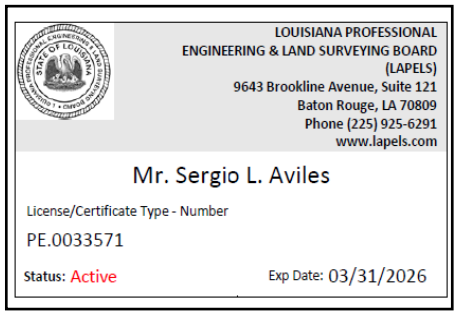
The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

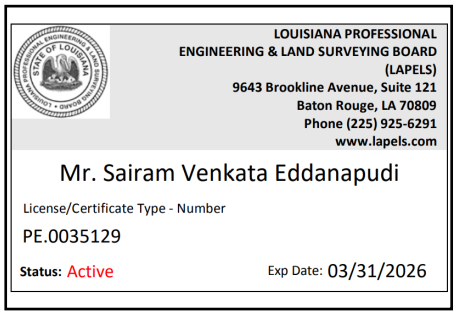
Name:	Public Address:
APS Engineering and Testing, LLC	Mr. Sergio Aviles 5261 Highland Road, PMB 320 Baton Rouge, Louisiana 70808

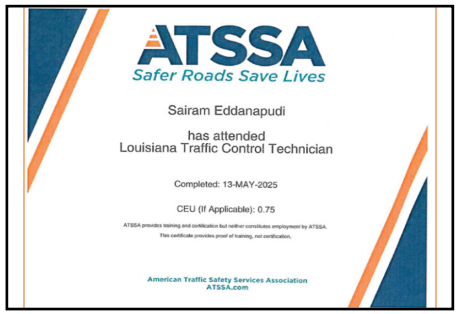
License/Certificate Information w/ Supervision

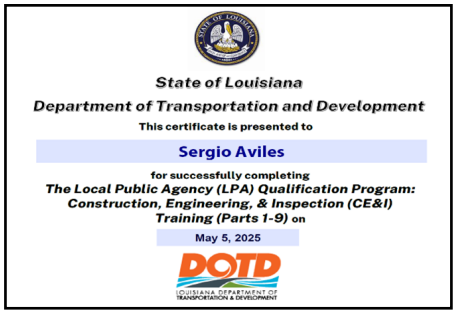
License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0005198	Active	11/29/2012	03/31/2027	Mr. Sergio L. Aviles # PE.0033571

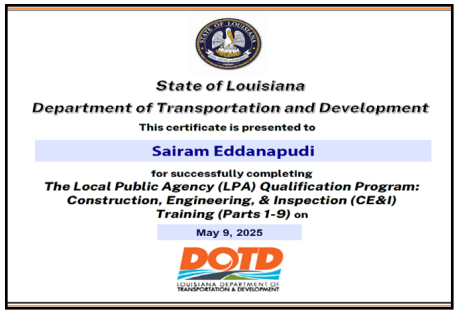










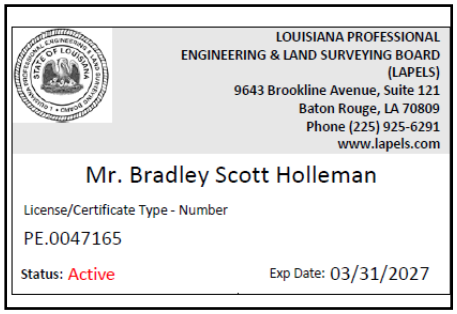


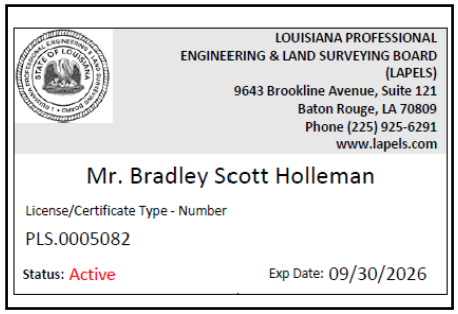
The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

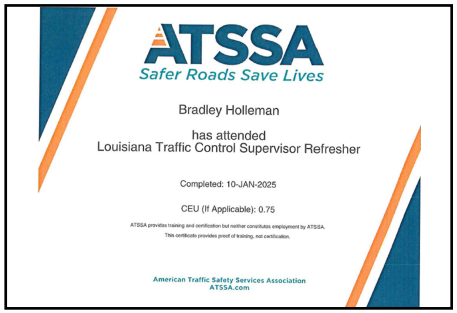
Name:	Public Address:
Forte and Tablada, Inc.	Mr. Russell J. Coco, Jr. 9107 Interline Avenue Baton Rouge, Louisiana 70809-1999

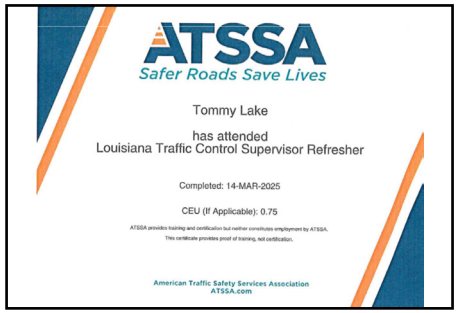
License/Certificate Information w/ Supervision

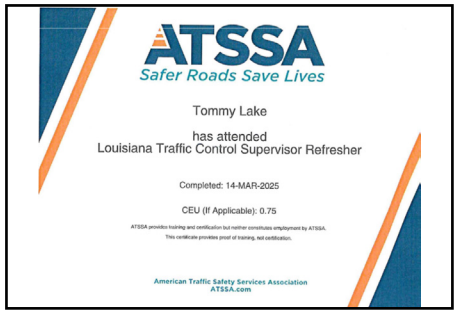
License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000055	Active	06/26/1979	03/31/2027	Mr. Bradley Scott Holleman # PLS.0005082











The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
Urban Systems, Inc.	Ms. Alison Marie Catarella 2000 Tulane Avenue, Suite 200 New Orleans, Louisiana 70112

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001342	Active	09/22/1986	03/31/2027	Ms. Alison Marie Catarella Michel # PE.0030261

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

Ms. Alison Marie Catarella Michel

License/Certificate Type - Number
PE.0030261

Status: Active Exp Date: 03/31/2027

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

Ms. Nicole Harris Stewart

License/Certificate Type - Number
PE.0034750

Status: Active Exp Date: 09/30/2027

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

Mr. Matthew Hansen Morgan

License/Certificate Type - Number
PE.0047060

Status: Active Exp Date: 03/31/2027

TPCB

The Transportation Professional Certification Board
Certifies that
Ms. Alison Catarella Michel, PE,PTOE,PTP,RSP2I
successfully holds the Professional Traffic Operations Engineer® certification
Original Certification Date: 11/6/2002 Certification Valid Through: 11/6/2026
Steve Kuciemba, Executive Director and CEO
Joseph C. Balskus, P.E., PTOE, RSP1 TPCB Chair
Certification Number: 1023

DOTD — DESTINATION ZERO DEATHS

This certificate of training is presented to
ALISON MICHEL
In Recognition of Attending
Highway Safety Manual Workshop
Baton Rouge, Louisiana
Elizabeth Wemple, PE
Eric Tang, PE
Instructor
18.0 Professional Development Hours
Nov 30—Dec 2, 2011
Date

STATE OF ALABAMA
BOARD OF LICENSURE FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS
ALISON CATARELLA-MICHEL
Is duly licensed as a
PROFESSIONAL ENGINEER
License Number: PE27740
Status: Active
Expire Date 12/31/2025
William R. Huett
Executive Director
BELS

Transportation Professional Certification Board, Inc.
certifies that
Alison Marie Catarella Michel
has met all of the requirements established by the Certification Board to use the title of
Professional Transportation Planner
unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 626 issued in Washington, DC, USA
7/1/2017

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
DOTD

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
DOTD

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
DOTD

National Highway Institute
U.S. Department of Transportation Federal Highway Administration
Certificate of Training
Alison Michel
has participated in
NHI Course No. 142005 -
NEPA and Transportation Decision Making
hosted by
LA DOTD/LTRC
Date: May 28-30, 2014
Location: Baton Rouge, LA
Hours of Instruction: 18
Instructor
Instructor
Local Coordinator
Richard Barnaby, Director
National Highway Institute

Transportation Professional Certification Board, Inc.
certifies that
Alison Catarella Michel
has met all of the requirements established by the Certification Board to use the title of
Road Safety Professional Infrastructure
unless withdrawn by the Certification Board and subject to the provisions for renewal. Certificate number 148 issued in Washington, DC, USA
3/20/18
Joseph C. Balskus Chair
RSP2I ROAD SAFETY PROFESSIONAL
Jeffrey T. Paniati Executive Director


Louisiana Professional Engineering and Land Surveying Board

Hereby Certifies that

Mr. Matthew Hansen Morgan

has satisfied the applicable requirements and is therefore licensed as a

Professional Engineer

and hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana · August 11, 2022

License Number PE.0047060


Certificate of Training

this certifies that

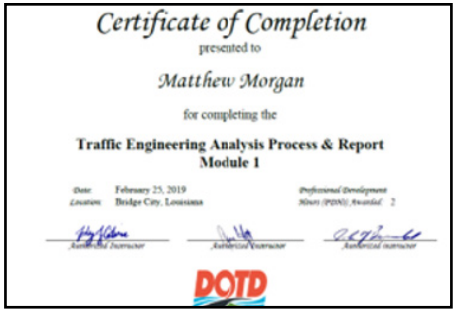
Matthew M. Morgan

has successfully completed the training program requirements for

National Flagger Certification Training Course

Awarded on this 23rd day of August 2022

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


Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report

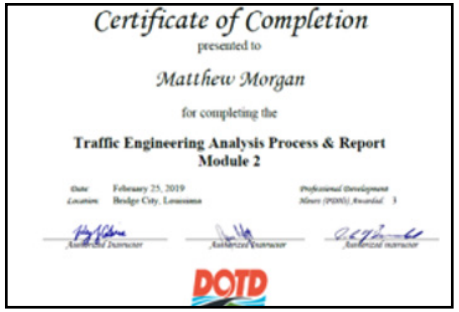
Module 1

Date: February 25, 2019

Location: Bridge City, Louisiana

Professional Development Hours (PDH) Awarded: 2

DOTD


Certificate of Completion

presented to

Matthew Morgan

for completing the

Traffic Engineering Analysis Process & Report

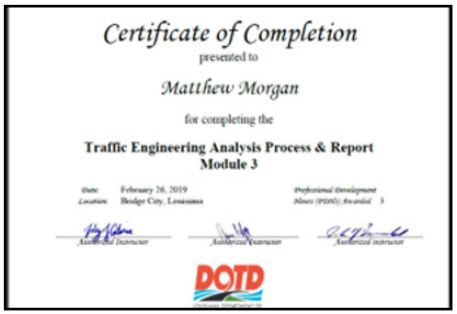
Module 2

Date: February 25, 2019

Location: Bridge City, Louisiana

Professional Development Hours (PDH) Awarded: 3

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 (PDH) Awarded: 3

DOTD


TPCB

The Transportation Professional Certification Board

Certifies that

Mr. Matthew Hansen Morgan, P.E., PTOE

successfully holds the Professional Traffic Operations Engineer® certification

Original Certification Date: 3/19/2025

Certification Valid Through: 3/19/2028

Steve Kuciemba, Executive Director and CEO

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


DOTD

DESTINATION ZERO DEATHS

This certificate of training is presented to

NICOLE STEWART

In Recognition of Attending

Highway Safety Manual Workshop

Baton Rouge, Louisiana

Elizabeth Wemple, PE

Eric Tang, PE

Instructor

18.0 Professional Development Hours

June 1-3, 2011

Date


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


TPCB

The Transportation Professional Certification Board

Certifies that

Mrs. Nicole H. Stewart, P.E., PTOE

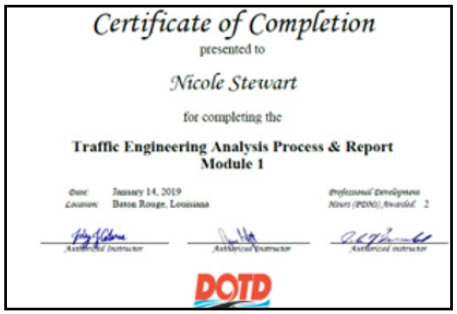
successfully renewed the Professional Traffic Operations Engineer® certification

Original Certification Date: 8/14/2012

Certification Valid Through: 8/14/2027

Jeffrey F. Paniati, Executive Director and CEO

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


Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report

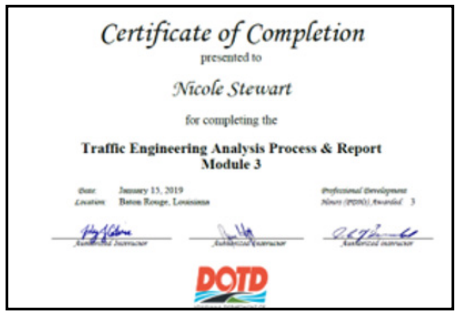
Module 1

Date: January 14, 2019

Location: Baton Rouge, Louisiana

Professional Development Hours (PDH) Awarded: 2

DOTD


Certificate of Completion

presented to

Nicole Stewart

for completing the

Traffic Engineering Analysis Process & Report

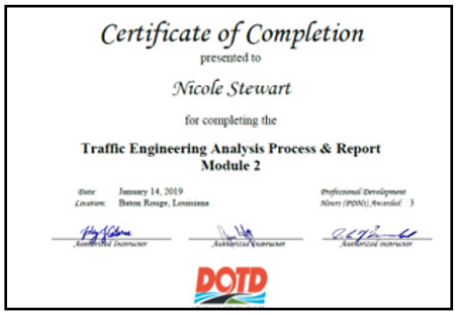
Module 3

Date: January 15, 2019

Location: Baton Rouge, Louisiana

Professional Development Hours (PDH) Awarded: 3

DOTD


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 (PDH) Awarded: 3

DOTD

21. QA/QC Plan:

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

22. Sub-consultant information:

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (Name must match 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
APS Engineering and Testing	5261 Highland Road, PMB 320 Baton Rouge, LA 70808	Sergio Aviles, PE sergio@aps-testing.com	225.281.1917
Forte and Tablada, Inc.	9107 Interline Avenue Baton Rouge, LA 70809	Bradley S. Holleman, PLS, PE bholleman@forteandtablada.com	225.927.9321
Urban Systems Associates, Inc. dba Urban Systems, Inc.	2000 Tulane Ave. Suite 200 New Orleans, LA 70112	nhstewart@urbansystems.com	504.569.3969

(Add rows as needed)

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

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