

**CONTRACT NO. 4400032380  
STATE PROJECT NO. H.016019.5  
FEDERAL AID PROJECT NO. H016019**

**DOWNING PINES RD:  
ROUNDAABOUT AT MANE ST  
OUACHITA PARISH**

**SEPTEMBER 10, 2025**



LOUISIANA DEPARTMENT OF  
TRANSPORTATION & DEVELOPMENT

Submitted by:

**HEI** Hartman Engineering, Inc.  
*Consulting Engineers*

In Association with:



**DOTD FORM: 24-102**

(Revised August 11, 2025)

**PROPOSAL TO PROVIDE CONSULTANT SERVICES**

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

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

1. Contract Name as shown in the advertisement	<b>DOWNING PINES RD: ROUNDABOUT AT MANE ST OUACHITA PARISH</b>
2. Contract Number(s) as shown in the advertisement	<b>CONTRACT NO. 4400032380</b>
3. State Project Number(s), if shown in the advertisement	<b>NO. H.016019.5</b>
4. Prime consultant name ( <b>name must match <u>exactly</u> as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; <u>include screenshot from SOS at the end of Section 20</u></b> )	<b>Hartman Engineering, Inc.</b>
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	<b>EF.0001344</b>
6. Prime consultant mailing address	<b>527 W. Esplanade Ave., Suite 300 Kenner, LA 70065</b>
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	<b>16044 Highway 73, Building 107 Prairieville, LA 70769</b>
8. Name, title, phone number, and email address of prime consultant's contract point of contact	<b>Jared B. Monceaux, P.E., President 225-313-4617 jmonceaux@harteng.com</b>
9. Name, title, phone number, and email address of the official with signing authority for this proposal	<b>Jared B. Monceaux, P.E., President 225-313-4617 jmonceaux@harteng.com</b>

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:

**09/10/2025**

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.

<u>Firm(s):</u>	<u>Firm(s)' %:</u>
GEC – Gulf Engineers & Consultants, Inc.	5%
USI – Urban Systems, Inc.	5%
CDC - Civil Design & Construction, Inc.	10%
APS – APS Engineering and Testing, LLC	10%

**DBE GOAL = 4%**  
**DBE Provided = 25%**

**12. Discipline Table:**



Past Performance Evaluation Discipline(s)	% of Overall Contract	HEI (Prime)	CD&C (Sub Consultant)	APS (Sub Consultant)	GEC (Sub Consultant)	USI (Sub Consultant)	Each Discipline must total to 100%
Road	70%	100%					100%
Traffic	5%					100%	100%
Survey	10%		100%				100%
Bridge	5%				100%		100%
Geotech	10%			100%			100%
Identify the percentage of work for the <u>overall contract</u> to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%	70%	10%	10%	5%	5%	100%

The **only** past performance evaluation 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).

13. Team Size:

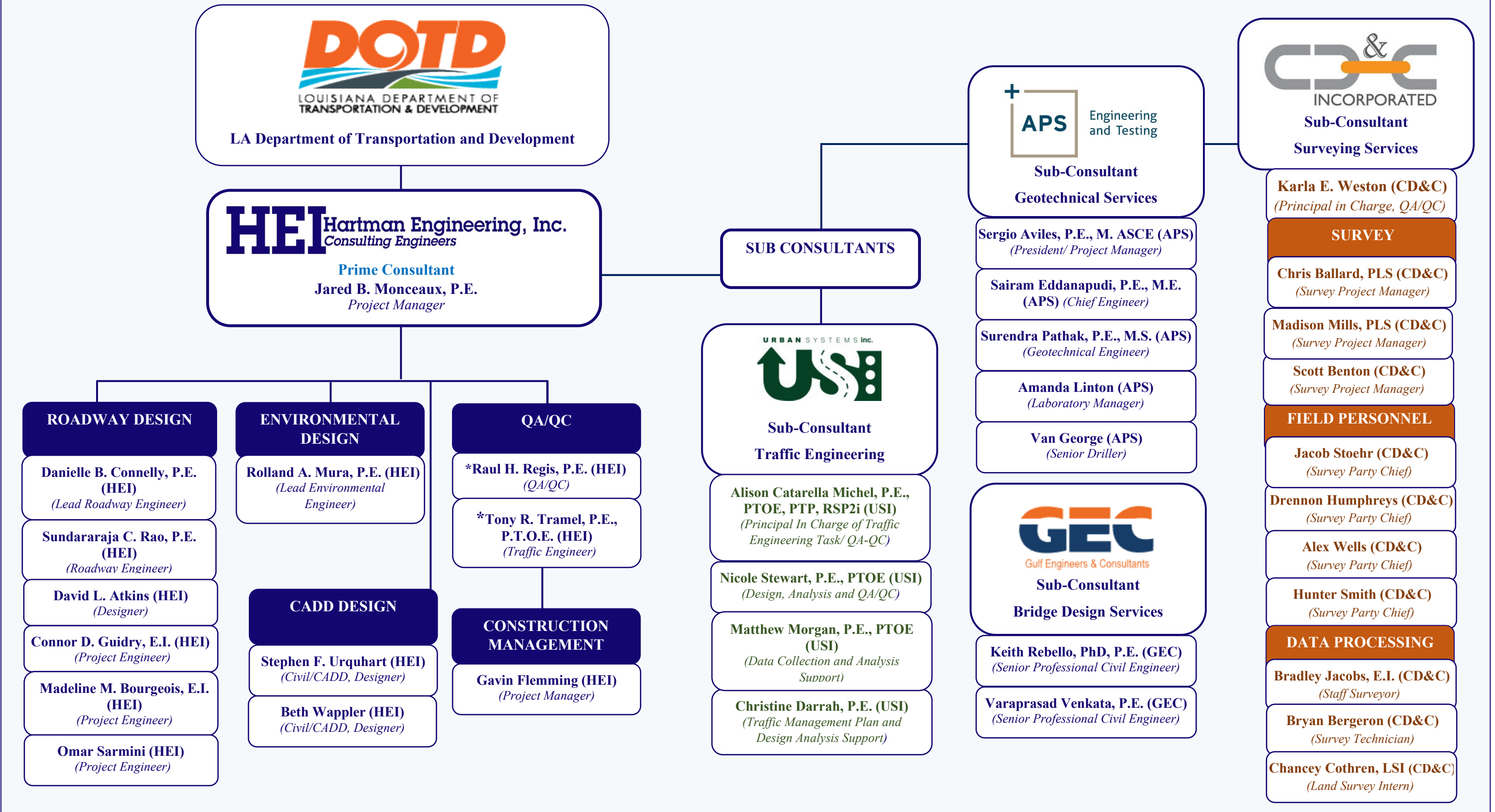
Firm name	DOTD Job Classification	Number of personnel committed to this contract *	Total number of personnel available in this DOTD Job Classification (if needed)
<u>Hartman Engineering, Inc.</u>   <b>Hartman Engineering, Inc.</b>	CADD Operator	1	2
	Clerical	1	2
	Designer	1	1
	Engineer	2	4
	Engineer Intern	2	3
	Environmental Pro	1	1
	Inspector	1	2
	Supervisor - Eng	1	1
<u>Urban Systems Inc.</u>  	Supervisor - Eng	1	2
	Engineer	1	2
	Engineer Intern	1	1
	Engineering-Aide	2	3
<u>Civil Design &amp; Construction, Inc.</u>  	Surveyor	1	2
	Party Chief	3	5
	Instrument Man	2	3
	Rodman	2	2
	CADD Operator	1	1
	Senior Technician	3	6
	Supervisor - Other	1	1

**Team Size Continued:**

Firm name	DOTD Job Classification	Number of personnel <u>committed to this contract</u> *	Total number of personnel available in this DOTD Job Classification (if needed)
<p><b><u>APS Engineering &amp; Testing, LLC.</u></b></p> 	Engineer	3	3
	Engineer Intern	2	2
	Engineering-Aide	2	4
	Driller	4	16
	Senior Technician	3	8
	Clerical	1	2
<p><b><u>GEC – Gulf Engineers &amp; Consultants, Inc.</u></b></p> 	Supervisor - Eng	1	1
	Engineer	1	2

\*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:**




**15. Minimum Personnel Requirements:**

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license and discipline meeting MPR/ certification & number (Ex: PE # - Civil)	State of license	License / certification expiration date
1	Jared B. Monceaux, P.E.	<u>Hartman Engineering, Inc.</u>  	P.E. # 32202 - Civil	LA	03/31/2026
2	Jared B. Monceaux, P.E.		P.E. # 32202 - Civil	LA	03/31/2026
3	Jared B. Monceaux, P.E. Danielle B. Connelly, P.E.		P.E. # 32202 - Civil P.E. # 36284 - Civil	LA LA	03/31/2026 09/30/2025
4	Varaprasad Venkata, P.E.	<u>Gulf Engineers &amp; Consultants, Inc.</u>  	P.E. # 40594 - Civil	LA	09/30/20026
5	Keith Rebello, PhD, P.E.		P.E. # 24937 - Civil	LA	03/31/2027
6	Chris Ballard	<u>Civil Design &amp; Construction, Inc.</u>  	PLS # 5033	LA	09/30/2026
7	Alison C. Michel, P.E., PTOE, PTP, RSP <sub>2i</sub>	<u>Urban Systems Inc.</u>  	PE # 30261 - Civil PTOE #1023 PTP #626 RSP <sub>2i</sub> # 148	LA	03/31/2027
8	Sergio Aviles, P.E.	<u>APS Engineering &amp; Testing, LLC.</u>  	P.E. # 33571 – Civil	LA	03/31/2026
9	Sergio Aviles, P.E. Surendra Pathak, M.S., P.E.		P.E. # 33571 – Civil P.E. # 43487 - Civil	LA LA	03/31/2026 09/30/2025
10	Sairam (Sai) Eddanapudi, M.E., P.E. Amanda Linton		P.E. # 35129 – Civil AASHTO APPROVED ASTM EXAMS	LA LA	03/31/2026 12/19/2026
11	Van George		N/A	N/A	N/A


16. Staff Experience: **Hartman Engineering, Inc.**

Firm employed by				
Name	<b>Jared B. Monceaux, P.E.</b>	Years of relevant experience with this employer	<b>18 (2007)</b>	
Title	<b>Principal, Project Manager</b>	Years of relevant experience with other employer(s)	<b>11 (1996)</b>	
Degree(s) / Years / Specialization		<b>B.S., 2001, Civil Engineering, University of Louisiana at Lafayette</b>		
Active registration number / state / expiration date		<b>PE.0032202 / Louisiana / 03/31/2026</b>	<b>PE.18867 / Mississippi / 12/31/2026</b>	
Year registered	<b>2006</b>	Discipline	<b>Civil</b>	
Contract role(s) / brief description of responsibilities		<b>MPRs 1, 2, &amp; 3; Project Manager; Design Engineer</b> Mr. Monceaux responsibilities will include: - Preliminary and Final Plans - Design		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Monceaux has almost thirty years of engineering project management and design experience on municipal projects, specifically road and bridge system improvement projects. His road and bridge experience includes large and small urban and rural road projects, small slab span and concrete girder bridges. More experience includes engineering design and project management experience with a variety of engineering projects including wastewater treatment plants, sewer pump stations, collection systems, transportation, drainage, permitting, and wetland delineation. Tasks performed include scope, layout, design, permitting, bidding, and construction administration.				
<b>(02/2015 – 2024)</b>	<b><u>SPN H.009320/F.A.P. H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), LaFourche Parish, LA:</u></b> Mr. Monceaux was the Project Manager and Design Engineer for the design of a traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodaux, LA. The improvements include roadway widening, valve engineering, utility relocations, drainage design, geometric design, extensive phasing, and temporary traffic control. Design will conform to EDSM V1.11.6., and current 2017 roadway design guidelines. <small>HEI Project No. 12-092-09</small>			
<b>(03/2021 – 08/2021)</b>	<b><u>Intersection Control Evaluation (ICE) for Intersection of Lapalco Boulevard at Tanglewood Drive as Part of Lapalco Boulevard Improvements, Jefferson Parish, LA:</u></b> Mr. Monceaux served as the Project Manager for this ICE Study. The traffic volume during a typical weekday for Lapalco Boulevard east of Tanglewood Drive was recorded at 16,000 vehicles per day, while Tanglewood Drive was projected to carry approximately 3,000 vehicles within a 24-hour period. Tanglewood Drive forms a T-type intersection with Lapalco Boulevard, currently controlled by a conventional stop sign arrangement. The purpose of this study was to evaluate various intersection control strategies and determine the most suitable options in relation to the proposed widening of Lapalco Boulevard at Tanglewood Drive, with a focus on improving traffic flow, safety, and operational efficiency.			
<b>(05/2011 – 06/2017)</b>	<b><u>SPN 742-26-0033 / H.007175, F.A.P. No. 6130 (010): LADOTD – Lapalco Blvd. (Victory Dr. to Westwood Dr.) Jefferson Parish, LA:</u></b> Project Manager and QC/QA Engineer for the widening of this major arterial boulevard section Urban Systems Project from 4 lanes to 6 lanes. Mr. Monceaux was responsible for all geometric and hydraulic review. The project is approximately 0.8 miles and includes installation of new curb and gutter sections, subsurface drainage, pavement widening, utility relocation and temporary traffic control. <small>HEI Project No. 11-014-53 (Phase 85)</small>			


(2018 – 2020)	<b><u>Intersection Improvements (Veterans Blvd. – Bonnabel Blvd.) JP Parish Project 2017-028-RBP, Jefferson Parish, LA:</u></b> Mr. Monceaux is the Project Manager for this capacity improvements project at the intersection of Vets/Bonnabel. Additional left turn lanes are included in both directions along Veterans, new U-turns along Bonnabel, new signal to include pedestrians and future bike path. HEI Project No. 11-014-95
(04/2023 – 11/2023)	<b><u>Intersection Control Evaluation (ICE) Traffic Study at Jefferson Highway and Proposed Dickory Avenue, “Dickory Avenue Extension to Jefferson Highway” Public Works Project No. 2020-010-RBP, Jefferson Parish, LA.</u></b> Mr. Monceaux served as the Project Manager and QC/QA Engineer for this detailed ICE Study. HEI was tasked with identifying various intersection control options at the intersection of Dickory Avenue and Jefferson Highway (LA 48) and evaluating their impacts on traffic operations and safety. The study involved developing reasonable design concepts to address identified traffic concerns, with a focus on improving overall safety and efficiency. These concepts were developed in sufficient detail to assess geometric feasibility and determine anticipated right-of-way (ROW) needs. Jefferson Parish is proposing to realign Dickory Avenue & Jefferson Highway (LA 48) into an intersection at Powerline Drive, with the primary objective of alleviating congestion & enhancing traffic flow and safety in the area. (HEI Project No. 12-092-06B)
(02/2022 – 2025 est.)	<b><u>SPN H.012914.5, LADOTD - Task Order #5 – LA 3073: Ambassador @ Verot – Chemin - Bonin Improvements, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mr. Monceaux served as the Project Manager and QC/QA Engineer for this project. HEI’s responsibilities included extending existing turn lanes at LA 89 and LA 3073 to improve traffic flow and safety. The scope involved extending the eastbound and westbound left-turn lanes on LA 3073 and removing the island between the left-turn lane and the through lanes to enhance operational efficiency. Additionally, the eastbound and westbound right-turn lanes on LA 3073 were extended to accommodate increased traffic demand. Roadway widening and median modifications were designed in appropriate locations to meet current design standards, ensuring compliance with safety and operational requirements. HEI Project No. 12-092-14D./
(09/2022 – 2024)	<b><u>SPN H.009425.5, LADOTD - Task Order #4 – LA 16 (N 2<sup>nd</sup> Street to LA 445) IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mr. Monceaux served as the Project Manager for this project. HEI’s responsibilities included removing the existing storm drain system and replacing it with a larger system to increase hydraulic capacity. These upgrades were designed to reduce flooding along LA 16 by improving flow efficiency and minimizing head losses. The improved drainage system also aimed to protect nearby businesses from potential flooding. Mr. Monceaux managed the project’s design and execution, ensuring it met performance goals and project requirements. HEI Project No. 12-092-14b
(10/2019 – 02/2021)	<b><u>SPN H.972104 US 190 Sidewalk Improvements (US 11 (Front St.) to 14th St.), Slidell, LA.:</u></b> Mr. Monceaux is the Project Manager and QC/QA Engineer for the preparation of Plans (letter size) and Specifications for the removal of Existing Sidewalks and Pedestrian Signals and replace with updated ADA compliant sidewalks, Handicap Ramps and Pedestrian Signals Construction Value of approximately \$500,000. HEI Project No. 12-090-11
(03/2015 – 2024)	<b><u>SPN H.004957, F.A.P. No. H004957: LADOTD –I-12 to Bush Corridor LA 3241 (LA 434 – LA 36), St. Tammany Parish, LA:</u></b> Mr. Monceaux is the Project Manager and QC/QA responsible for the preparation of plans and specifications for the subject project. The project improvements include preliminary design of a rural arterial (RA-3) 4-lane corridor with a raised median. The corridor is primarily a control-of-access route featuring bridge and intersection design. Mr. Monceaux provides consultant coordination and project management and QA/QC coordination. HEI Project No. 12-092-10

Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		
Name	<b>Danielle B. Connelly, P.E.</b>	Years of relevant experience with this employer	<b>20 (2005)</b>	
Title	<b>Operations Manager</b>	Years of relevant experience with other employer(s)	<b>0</b>	
Degree(s) / Years / Specialization		<b>B.S., 2006, Civil Engineering, Louisiana State University, Baton Rouge, LA</b>		
Active registration number / state / expiration date		<b>PE.0036284 / Louisiana / 09/30/2025</b>		
Year registered	<b>2011</b>	Discipline	<b>Civil</b>	
Contract role(s) / brief description of responsibilities		<b>MPR 3; Lead Roadway Engineer;</b> Mrs. Connelly responsibilities will include: <ul style="list-style-type: none"> <li>- Design</li> <li>- Preliminary and Final Plans</li> </ul>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mrs. Connelly has twenty years of experience as a design engineer and project manager for a variety of projects throughout southern Louisiana for several local and state government agencies. Mrs. Connelly’s design experience includes:				
<ul style="list-style-type: none"> <li>• Roadway and Bridge Design for local corridors and highways (geometric, traffic, and sequencing),</li> <li>• Drainage Designs (canals, levees, gravity, and force main sub-surface systems via traditional and trenchless installation methods), and Environmental and Civil Site Design for sanitary sewer and drainage pump stations in simple duplex, triplex, and dual-bay multi-pump facilities,</li> <li>• Utility Designs for Water Distribution &amp; Sanitary Sewer Collection Systems (gravity and force main via traditional &amp; trenchless installation methods),</li> </ul>				
(2015 – 2024)	<b><u>SPN H.009320/F.A.P. H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), LaFourche Parish, LA:</u></b> Mrs. Connelly was the Lead Design Engineer for the traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodaux, LA. The improvements include roadway widening, valve engineering, utility relocations, drainage design, geometric design, extensive phasing, and temporary traffic control. Design will conform to EDSM V1.11.6., and current 2017 roadway design guidelines. <small>HEI Project No. 12-092-09</small>			
(2018 – 2026 est.)	<b><u>LADOTD SP 700-26-0234, 826-44-0027; Dickory / Hickory Avenue Extension (LA 48 - Mounes), Route LA 3154, Jefferson Parish, LA:</u></b> Mrs. Connelly served as the Lead Engineer for this project. The design included comprehensive checks on vertical and horizontal alignment, hydraulic design, and quantity computations. She led coordination efforts with the U.S. Army Corps of Engineers' Pump to the River project and Entergy’s Transmission Towers to ensure compatibility with existing infrastructure. Additionally, the design incorporated necessary corrections to align with current 2006 specifications and updated bid items, ensuring compliance with regulatory and project requirements. <small>(HEI Project No. 12-092-06)</small>			
(2023 – 2027 est.)	<b><u>Public Works No. 2017-046-RBP – Lapalco Blvd. Bridge over Harvey Canal – Jefferson Parish, LA:</u></b> Mrs. Connelly was the project engineer. HEI is providing all Roadway Design services for Eastbound and Westbound roadways to install a new Westbound bridge crossing Harvey Canal. <small>(HEI Project No. 11-014-53-86)</small>			
(2018 – 2020)	<b><u>Intersection Improvements (Veterans Boulevard and Bonnabel Boulevard), PWP No. 2017-028-RBP, Jefferson Parish, LA:</u></b> Mrs. Connelly, Lead Design Engineer, the project consists of a series of roadway and intersection improvements designed to enhance safety, mobility, and future multimodal use. Key elements include the addition of a single sweeping left-turn lane from eastbound Veterans Boulevard to northbound Bonnabel Boulevard, as well as dual sweeping left-turn lanes from westbound Veterans			

	<p>Boulevard to southbound Bonnabel Boulevard. The existing northbound Bonnabel Boulevard U-turn will be relocated approximately 125 feet to the north, while the southbound U-turn will be shifted 100 feet to the south. In addition, the Veterans Boulevard U-turn on the west side of the intersection will be relocated, and new median landscaping will be introduced along Veterans Boulevard near Aurora Avenue. To accommodate these improvements and a planned future bike path, a new traffic signal will also be designed to serve the revised turning movements. HEI Project No. 11-014-95</p>
(02/2022 – 2025 est)	<p><b><u>SPN H.012914.5, LADOTD - Task Order #5 – LA 3073: Ambassador @ Verot – Chemin - Bonin Improvements, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mrs. Connelly was the Lead Design Engineer. HEI’s responsibilities included extending existing turn lanes to LA 89 and LA 3073. Extend the eastbound and westbound left turn lanes on LA 3073 and remove the island between the left turn lane and the through lanes. Also, extend the eastbound and westbound right turn lanes on LA 3073. The widening of roadways and the median modifications in appropriate locations are to meet design standards.</p>
(09/2021 –2023)	<p><b><u>SPN H.014100.5, LADOTD - Task Order #3 – LA 408: I-110 – LA 410 (Hooper Rd.), IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mrs. Connelly served as the Lead Design Engineer for this project. The project involved concrete panel replacement and composite pavement repair along the travel lanes of LA 408, extending from 565 feet west of the centerline of the I-110 overpass to the end of the concrete section, covering approximately 4.5 miles and including the intersection of LA 410 and LA 408. Mrs. Connelly led the design efforts, overseeing the development of repair strategies, ensuring compliance with design standards, and addressing project-specific challenges. The project also included curb repair as needed, with detailed plans developed for construction phasing, traffic control, and cross-sectional layouts to ensure accurate representation of proposed improvements. Her leadership focused on enhancing roadway durability and ensuring the project met all regulatory and safety requirements. HEI Project No. 12-092-14a</p>
(2015 – 2024)	<p><b><u>SPN H.004957, F.A.P. No. H004957: LADOTD –I-12 to Bush Corridor LA 3241 (LA 434 – LA 36), St. Tammany Parish, LA:</u></b> Mrs. Connelly is the Lead Design Engineer responsible for the preparation of plans and specifications for the subject project. The project improvements include preliminary design of a rural arterial (RA-3) 4-lane corridor with a raised median. The corridor is primarily a control-of-access route featuring bridge and intersection design. Ms. Connelly provides consultant coordination and project management, QA/QC coordination, geometric roadway and intersection design, drainage design, roadway modeling via InRoads software, specifications review and preparation, construction cost estimate and quantity take-offs preparation.</p>
(12/2014 – 05/2018)	<p><b><u>SPN H.011490, FAP No. H.011490: LADOTD – LA 30: Left Turn Lane at S. Purpera Ave, Ascension Parish, LA:</u></b> Mrs. Connelly is the Lead Design Engineer responsible for the preparation of plans and specifications for the subject project. The project improvements include preliminary and final designs for the widening of an urban arterial (UA-3) 2-lane corridor to accommodate proposed left turns at the intersection of LA 30 and S. Purpera Ave. The improvements feature and intersection design, signal design, ancillary roadway and drainage designs. Mrs. Connelly provides sub-consultant and client coordination, project management, QC/QA coordination, value-engineering recommendations, utility conflict review and coordination, geometric roadway and intersection design, drainage design, specifications review and preparation, construction cost estimate and quantity take-offs preparation. Additional technical responsibilities include roadway modeling via Bentley InRoads and MicroStation and providing LaDOTD Submittals and Coordination via the Bentley ProjectWise interface. HEI Project No. 12-031-07</p>


Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers			
Name	<b>Sundararaja C. Rao, P.E. (Retired)</b>		Years of relevant experience with this employer		<b>18 (2007)</b>
Title	<b>Senior Project Engineer</b>		Years of relevant experience with other employer(s)		<b>40 (1967)</b>
Degree(s) / Years / Specialization		<b>B.S., 1965, Civil Engineering, University of Mysore, India</b>	<b>M.T., 1967, Hydraulic Engineering, I.I.T., Bombay, India</b>		<b>M.S., 1972, Sanitary &amp; Waste Resources Engineering, Brigham Young University</b>
Active registration number / state / expiration date		<b>PE.0017005 / Louisiana / 09/30/2025 **registered as RETIRED, which allows him to continue to hold his lapel status and work</b>			
Year registered	<b>1978</b>	Discipline	<b>Civil/Environmental</b>		
Contract role(s) / brief description of responsibilities		<b>Roadway Engineer;</b> Mr. Rao has responsibilities that will include: - Design - Plans			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
Mr. Rao has over five decades of civil/hydraulic experience related to transportation systems, with a strong emphasis on the design and administration of roadway-related projects. He has served in many capacities including design engineer, chief engineer of local civil consulting firms and has also served as project manager of many roadways and LADOTD off-system bridge replacement projects. Mr. Rao is currently serving as HEI’s Lead Roadway and Bridge Design Engineer and performs QA/QC.					
(2018 – 2026 est.)	<b><u>LADOTD SP 700-26-0234, 826-44-0027; Dickory / Hickory Avenue Extension (LA 48 - Mounes), Route LA 3154, Jefferson Parish, LA:</u></b> Mr. Rao is providing Engineer Support for the Design, include performing checks on vertical and horizontal alignment, hydraulic design, quantity computations, coordination between U.S. Army Corps of Engineers Pump to the River project and Entergy’s Transmission Towers, and corrections to reflect current 2006 specifications and current bid items. Mr. Rao provided his expert Drainage Design on this project. <small>Project No. 12-092-06</small>				
(2015 – 2024)	<b><u>SPN H.009320/F.A.P. H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), Lafourche Parish, LA:</u></b> Mr. Rao is the QC/QA Engineer for the traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodaux, LA. The improvements include roadway widening, valve engineering, utility relocations, drainage design, geometric design, extensive phasing, and temporary traffic control. Design will conform to EDSM V1.11.6., and current 2017 roadway design guidelines. <small>HEI Project No. 12-092-09</small>				
(2023 – 2027 est.)	<b><u>Public Works No. 2017-046-RBP – Lapalco Blvd. Bridge over Harvey Canal – Jefferson Parish, LA:</u></b> Mrs. Rao is providing Drainage expertise and Design. He is a project engineer on this project. HEI is providing all Roadway Design services for Eastbound and Westbound roadways to install a new Westbound bridge crossing Harvey Canal. <small>(HEI Project No. 11-014-53-86)</small>				

(2011 – 2015)	<b><u>SPN H.004747 F.A.P. No. STP-3609(518): LADOTD - Lake Forest Blvd. Widening (Eastover to I-510), New Orleans, LA:</u></b> Mr. Rao was the Road Design Engineer for the extension (approx. 650') a new westbound section of this urban collector road, approximately 450 ft west of its interchange with I-510. Responsible for geometric and hydraulic design. A Categorical Exclusion (CE) was required for this project. HEI Project No. 12-092-08
(2011 – 2016)	<b><u>SPN 742-26-0033 / H.007175, F.A.P. No. 6130 (010): LADOTD – Lapalco Blvd. (Victory Dr. to Westwood Dr.) Jefferson Parish, LA:</u></b> Mr. Rao provided Roadway Engineer for the widening of this major arterial boulevard section Urban Systems Project from 4 lanes to 6 lanes. The project is approximately 0.8 miles and includes installation of new curb and gutter sections, subsurface drainage, pavement widening, utility relocation and temporary traffic control. HEI Project No. 11-014-53
(2016 - 2017)	<b><u>SPN H.011007 Chateau Blvd Resurfacing (W. Esplanade Ave. to Vintage Dr.), Project No. 2014-007-RB, Contract No. 4400005982, Jefferson Parish, LA.:</u></b> Mr. Rao provided Engineer Support for the preparation of Plans and Specifications for the design of a resurfacing project for 0.75 miles of a boulevard section, which included Milling and Asphalt Concrete Overlay, Base Course Replacement, and Curb and Gutter Replacement. Construction Value of \$1.2 million. HEI Project No. 12-092-12
(Work Prior to HEI.)	<b><u>SPN 022-06-0040 &amp; 022-07-0050: LADOTD, Black River Bridge and Approaches, US 84, Jonesville, LA:</u></b> Mr. Rao was the Roadway Design Engineer of this project located in Central Louisiana. The roadway project involved the geometric designs of approximately 2 miles of both five-lane urban roadway through the city of Jonesville with subsurface drainage, and four lane divided roadway, bridge approaches, geometric designs, sight distance analysis, traffic signalization, construction sequencing and phasing schemes. (Work Prior to HEI.)
(2015 – 2024)	<b><u>SPN H.004957, F.A.P. No. H004957: LADOTD –I-12 to Bush Corridor LA 3241 (LA 434 – LA 36), St. Tammany Parish, LA:</u></b> Mr. Rao is the QA/QC engineer responsible for the review of plans and specifications for the subject project The project improvements include preliminary design of a rural arterial (RA-3) 4-lane corridor with a raised median. The corridor is primarily a control-of-access route featuring bridge and intersection design. HEI provides consultant coordination and project management, QA/QC coordination, geometric roadway and intersection design, drainage design, roadway modeling via InRoads software, specifications review and preparation, construction cost estimate and quantity take-offs preparation. HEI No. 12-092-10
(2015 – 2017)	<b><u>LADOTD – LA 30: Left Turn Lane at S. Purpera Ave, SPN H.011490, F.A.P. No. H.011490, Ascension Parish, LA:</u></b> Mr. Rao was the QA/QC engineer responsible for the review of plans and specifications for the subject project. The project improvements include preliminary and final designs for the widening of an urban arterial (UA-3) 2-lane corridor to accommodate proposed left turns at the intersection of LA 30 and S. Purpera Ave. The improvements feature and intersection design, signal design, ancillary roadway and drainage designs. Mr. Rao provided QA/QC coordination, value-engineering recommendations, utility conflict review and coordination, geometric roadway and intersection design, drainage design, specifications review and preparation, construction cost estimate and quantity take-offs preparation. (HEI No. 12-031-07)
(04/1999 – 07/2013)	<b><u>SPN 700-55-0101: LADOTD - Hollywood Road (Junc. LA 311 to Junc. LA 3040), Terrebonne Parish, LA:</u></b> Mr. Rao was the QC/QA Engineer for this urban systems project that consists of providing environmental analysis, evaluation and documentation, preliminary and final plans for the widening of Hollywood Road in the City of Houma. The project begins at the junction of LA 311 and ends at the junction of LA 3040. The proposed undivided urban section will consist of 4-3.6 m (12ft) travel lanes with curb and gutter, and sub-surface drainage. The project is approximately 1.931 km (1.20 miles) in length. Project includes modifications to an existing signal and new signal design. HEI Project No. 12-092-02


Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers			
Name	<b>Tony R. Tramel, P.E., P.T.O.E. (Retired)</b>	Years of relevant experience with this employer	<b>11 (2014)</b>		
Title	<b>Traffic Engineer</b>	Years of relevant experience with other employer(s)	<b>46 (1972)</b>		
Degree(s) / Years / Specialization		<b>B.S., 1972, Engineering, Interdisciplinary Engineering, Purdue University, West Lafayette, IN</b>	<b>Master of City Planning, 1974, City Planning, Georgia Institute of Technology, Atlanta, GA</b>	<b>Master of Engineering, 1974, Traffic Engineering/Transportation Planning</b>	
Active registration number / state / expiration date		<b>Status Retired</b>			
Year registered	<b>1981</b>	Discipline	<b>Civil</b>		
Contract role(s) / brief description of responsibilities		<b>Lead Traffic Engineer; Mr. Tramel responsibilities will include support on:</b> - Traffic Design - Traffic Studies			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
	<p>Transportation planning included the development of short- and long-range transportation plans for municipalities ranging in population from 90,000 to 260,000 persons. This work encompassed the use and calibration of transportation models to forecast future traffic conditions and the design of alternative transportation systems to accommodate future transportation demand.</p> <p>Mr. Tramel has been directly involved in traffic operational analysis, geometric and traffic signal design of more than 50 intersections. These intersections include locations in Lafayette, Louisiana, Vero Beach, Florida, and within the Dallas / Ft. Worth (DFW) Metroplex area it includes the cities of Grand Prairie, Arlington, Plano, Rockwall, Dallas, and Ft. Worth.</p> <p>Mr. Tramel has advocated the use of modern roundabouts in Lafayette. The first modern roundabout in Louisiana was implemented with assistance of the LaDOTD more than 10 plus years ago at the intersection of two LaDOTD routes using District Maintenance funds and designs promulgated by Mr. Tramel. More than 13 modern roundabouts are either built or are under design in Lafayette Parish. Modern roundabouts are the only traffic control device that enhances / improves efficiency, convenience, and traffic safety.</p> <ul style="list-style-type: none"> <li>• USA, Professional Traffic Operations Engineer (PTOE), (121)</li> <li>• Fellow Member of Institute of Transportation Engineers, (07060)</li> <li>• Adjunct Instructor, University of Southwest Louisiana, 1999</li> </ul>				
<b>(2015 – 2024)</b>	<p><b><u>SPN H.009320/F.A.P. H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), Lafourche Parish, LA:</u></b> Mr. Tramel provided QC/QA for this design of a traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodeaux, LA. The proposed roundabout shall branch from LA 20 into Canal Boulevard and Jackson St., also connecting Back St. and Thompson Place at the east and west approaches. Design conforms to EDSM V1.11.6., and current 2017 roadway design guidelines. HEI Project No. 12-092-09</p>				



(03/2021 – 08/2021)	<p><b><u>Intersection Control Evaluation (ICE) Traffic Study at Jefferson Highway and Proposed Dickory Avenue, “Dickory Avenue Extension to Jefferson Highway” Public Works Project No. 2020-010-RBP, Jefferson Parish, LA.</u></b> Mr. Tramel served as the Traffic Engineer for this project. HEI was tasked with evaluating various intersection control options at the intersection of Dickory Avenue and Jefferson Highway (LA 48) to assess their impact on traffic operations and safety. The project involved developing reasonable design concepts to address identified traffic concerns and improve overall safety. These concepts were designed in sufficient detail to determine geometric feasibility, assess right-of-way (ROW) requirements, and support informed decision-making. Jefferson Parish proposed realigning Dickory Avenue and Jefferson Highway (LA 48) to intersect at Powerline Drive, with the primary goal of alleviating congestion and enhancing traffic flow and safety in the area. HEI Project No. 12-092-06B</p>
(04/2023 – 11/2023)	<p><b><u>Intersection Control Evaluation (ICE) for Intersection of Lapalco Boulevard at Tanglewood Drive as Part of Lapalco Boulevard Improvements, Jefferson Parish, LA:</u></b> The traffic volume during a weekday for Lapalco Boulevard east of Tanglewood Drive was found to be 16,000 vehicles a day. The traffic volume on Tanglewood Drive was projected to be approximately 3,000 vehicles in a 24-hour period. Tanglewood Drive forms a T-type intersection with Lapalco Boulevard and is controlled by a conventional stop sign arrangement. The purpose of this ICE Study is to evaluate the various intersectional control strategies and ascertain which ones might be suitable as it relates to the proposed widening of Lapalco Boulevard at Tanglewood Drive (HEI Project No. 11-014-53-86)</p>
(2011 – 2016)	<p><b><u>SPN 742-26-0033 / H.007175, F.A.P. No. 6130 (010): LADOTD – Lapalco Blvd. (Victory Dr. to Westwood Dr.) Jefferson Parish, LA:</u></b> QC/QA Engineer for the widening of this major arterial boulevard section Urban Systems Project from 4 lanes to 6 lanes. The project is approximately 0.8 miles and includes installation of new curb and gutter sections, subsurface drainage, pavement widening, utility relocation and temporary traffic control. HEI Project No. 11-014-53</p>
(09/2012 – 10/2022)	<p><b><u>SPN H. 014316 LADOTD – Lapalco Blvd. (Tanglewood to Victory) Phase 2, Jefferson, Parish, LA:</u></b> QC/QA Engineer for the widening of this major arterial 2 lane section Urban Systems Project from 2 lanes to a 2-lane boulevard section. The Project is approximately 0.7 miles and includes a 2-lane section from 1 lane to a 2-lane boulevard utility relocation, temporary traffic control and a new signal. HEI Project No. 11-014-53-86</p>
(03/2014 – 2015)	<p><b><u>Stage 0 Feasibility Study Proposed Left Turn Lane on LA 30 at South Purpera Avenue/South Hodgeson Avenue, Ascension Parish, LA:</u></b> Mr. Tramel was the Traffic Engineer on this project. Study of feasibility and potential traffic, environmental, and economic impacts of implementing the proposed left turn lane on LA 30 in comparison with existing conditions. The report follows all guidelines from LDOTD’s Stage 0 Manual of Standard Practice. HEI Project No. 12-031-06</p>
(2015 – 2017)	<p><b><u>SPN H.011490, FAP No. H004957: LaDOTD- 30 at Purpera Intersection Improvements, City of Gonzales, LA:</u></b> Mr. Tramel was the Traffic Engineer on this project. The project includes intersection improvements for traffic safety and efficient traffic movement at LA 30 and Purpera Avenue in the City of Gonzales. The proposed improvements include widening LA 30 to provide room for constructing a left turn lane for eastbound traffic and a new traffic signal. An improved striping plan, drainage improvements, removal of a commercial driveway, new pavement, and mill and overlay are all incidental improvements to the proposed work. Mr. Tramel provided all signal design services. HEI Project No. 12-031-07</p>
(05/2018 – 03/2022)	<p><b><u>Intersection Improvements (Veterans Blvd. – Bonnabel Blvd.) JP Parish Project 2017-028-RBP, Jefferson Parish, LA.:</u></b> Mr. Tramel is the signal design engineer for this capacity improvements project at the intersection of Vets/Bonnabel. Additional left turn lanes are included in both directions along Veterans, new U-turns along Bonnabel, new signal to include pedestrians and future bike paths. HEI Project No. 11-014-95</p>

Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		
Name	<b>Rolland A. Mura, P.E., BCEE</b>	Years of relevant experience with this employer	<b>23 (2002)</b>	
Title	<b>Senior Project Manager</b>	Years of relevant experience with other employer(s)	<b>30 (1972)</b>	
Degree(s) / Years / Specialization		<b>B.S., 1970, Civil Engineering, Tulane University</b>	<b>M.S., 1971, Environmental Engineering, Tulane University</b>	
Active registration number / state / expiration date		<b>PE.0014997 / Louisiana / 03/31/2026</b>	<b>PE.8409 / Mississippi / 12/31/2025</b>	
Year registered	<b>1974</b>	Discipline	<b>Civil/Environmental</b>	
Contract role(s) / brief description of responsibilities		<b>Environmental Engineer; Mr. Mura's responsibilities will include any support on environmental requirements or assistance needed.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Mura's experience includes 50 years on public infrastructure projects in planning (NEPA documentation, environmental assessments, Facility Plans and Environmental Information Documents for US EPA/LDEQ funded projects), grant applications (HMGP/FEMA, LADOTD/SWFCP, WARD, US EPA), project engineering, and project management for parish and municipal engineering projects.				
<b>(2014 – 2015)</b>	<b><u>Stage 0 Feasibility Study Proposed Left Turn Lane on LA 30 at South Purpera Avenue/South Hodgeson Avenue, Ascension Parish, LA:</u></b> Mr. Mura provided the Study of feasibility and potential traffic, environmental, and economic impacts of implementing a proposed left turn lane on LA 30 in comparison with existing conditions. The report follows all guidelines from LDOTD's Stage 0 Manual of Standard Practice. HEI Project No. 12-031-06			
<b>(12/2008 – 12/2009)</b>	<b><u>SPN 2007-060-RB: Jefferson Parish - Stage 0 Feasibility Study, Northbound Manhattan Boulevard to Elevated Eastbound West Bank Expressway, Jefferson Parish, LA:</u></b> Mr. Mura provided the Environmental review for the study of two alternative flyovers at the intersection of Manhattan Boulevard and Westbank Expressway that would allow direct entry to eastbound Westbank Expressway from Northbound Manhattan Boulevard. HEI Project No. 12-087-03			
<b>(05/2012 – 06/2014)</b>	<b><u>SPN / H.004747 F.A.P. No. STP-3609(518): LADOTD - Lake Forest Blvd. Widening (Eastover to I-510), New Orleans, LA:</u></b> Mr. Mura provided the Environmental Study (Categorical Exclusion) for the extension (approx. 650') a new westbound section of this urban collector road, approximately 450 ft west of its interchange with I-510. Responsible for the design and coordination efforts between LADOTD, City of New Orleans, and the Regional Planning Commission. A Categorical Exclusion (CE) was required for this project. HEI Project No. 12-092-08			
<b>(2004 – 2013)</b>	<b><u>SPN 700-55-0101: LADOTD - Hollywood Road (Junc. LA 311 to Junc. LA 3040), Terrebonne Parish, LA:</u></b> Mr. Mura provided the Environmental Study (EA) for this urban systems project that consists of providing environmental analysis, evaluation and documentation, preliminary and final plans for the widening of Hollywood Road in the City of Houma. The project begins at the junction of LA 311 and ends at the junction of LA 3040. The proposed undivided urban section will consist of 4-3.6 m (12ft) travel lanes with curb and gutter, and sub-surface drainage. The project is approximately 1.931 km (1.20 miles) in length. Project includes modifications to an existing signal and new signal design. HEI Project No. 12-092-02			


Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		
Name	<b>Raul H. Regis, P.E.</b>	Years of relevant experience with this employer	<b>8 (2017)</b>	
Title	<b>Project Engineer</b>	Years of relevant experience with other employer(s)	<b>27 (1990)</b>	
Degree(s) / Years / Specialization		<b>B.S., 1990, Civil Engineering, Florida State University</b>		
Active registration number / state / expiration date		<b>P.E.0034006 / Louisiana / 09/30/2026</b>	<b>P.E. 18695 / Mississippi / 12/31/2026</b>	<b>P.E.85074 / Florida/ 02/28/2027</b>
Year registered	<b>2006</b>	Discipline	<b>Civil</b>	
Contract role(s) / brief description of responsibilities		<b>QA/QC Engineer; Mr. Regis responsibilities will include:</b> - Design - Plans		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Regis has over 30 years of experience in project management, design of complex highways, multi-level interchanges and urban streets for major clients such as MDOT, LDOTD, NASA, USACE, FDOT, Florida’s Turnpike Enterprise, the Miami-Dade Expressway Authority (MDX), and the Puerto Rico Highway Authority. Additional clients include The City of New Orleans, Ascension Parish, St. John the Baptist Parish, St. Tammany Parish, Louisiana and in Florida: Broward County, Palm Beach County, Miami-Dade County, the City of Miami, and the City of Pembroke Pines. Further design experience includes roundabout design, signal design and advanced traffic control.				
<b>(2015 – 2024)</b>	<b><u>SPN H.009320/F.A.P. H009320: Acadian Road Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), Lafourche Parish, LA:</u></b> Mr. Regis provided QA/QC Engineering for this traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodaux, LA. The improvements include roadway widening, valve engineering, utility relocations, drainage design, geometric design, extensive phasing, and temporary traffic control. Design will conform to EDSM V1.11.6., and current 2017 roadway design guidelines. (HEI Project No. 12-092-09)			
<b>(02/2018 – 12/2019)</b>	<b><u>C. Braud Road Safety Widening, Ascension Parish, LA:</u></b> Mr. Regis provided QA/QC for approx. 1 mile of safety widening along C. Braud Rd. and adding turning lanes on LA 928 onto C. Braud Rd. Design includes Roadway, Drainage and Sequence of Construction. (HEI Project No. 12-031-13)			
<b>(2015 – 2024)</b>	<b><u>SPN. H.004113: LADOTD, I-12 to Bush, St. Tammany Parish, LA:</u></b> Mr. Regis was Project Manager for this project providing approximately 5.5 miles of a 4-lane divided highway from the proposed LA 3241 to the LA 40/LA 41 intersections in Bush, LA. As a sub the corresponding scope for this project was the preliminary design of the bridge over Talisheek Creek, approximately 500’ in length. Additional tasks included the development of the bridge scour report at Talisheek Creek, and the QA/QC of the roadway plans for the project. Design fees for this project are approximately \$135k. (With previous employer.)			
<b>(2008 – 2013)</b>	<b><u>SPN. 450-10-0108: LADOTD - I-10 Widening from Siegen Lane to the I-10/I-12 Split, Post Design Services and Geotechnical Support, Baton Rouge, LA:</u></b> Mr. Regis was Project Manager responsible for the coordination of the geotechnical activities for all bridge substructures, and post design services during construction. Other responsibilities included the re-design of the traffic control plans for the I- 10 main line and ramps, approximately 4.6 miles. Additionally, this project required close coordination with the LDOTD Project Engineer and his staff, and the contractor’s construction manager. Approximate contract value is \$350,000. (With previous employer.)			



(2014 – 2015)	<b><u>I-10 Widening from Highland Road to LA-73, Baton Rouge, LA:</u></b> Mr. Regis was Project Manager for this project to widen I-10 from a four-lane divided section to a six-lane divided section. The widening will require the construction of an additional lane of traffic in both eastbound and westbound directions. The proposed additional lane of traffic will require the bridge over Highland Road to be replaced and the existing bridges over Bayou Manchac and LA-73 to be widened. The approximate length of the project is 6.7 miles and design fees are approximately \$1.4 m, with tentative completion date of August 2015. (With previous employer.)
(2011 – 2013)	<b><u>SPN. H000498: Improvements to US 190 from LA 22 to Lonesome Road, St. Tammany Parish, LA:</u></b> Mr. Regis was Project Manager responsible for the re-design of approximately 1.5 miles of US 190. Activities included close coordination with LADOTD, revisions to drainage plans, redesign of traffic signals, revision to existing superelevation and traffic control plans. Project was on an expedited schedule and in metric units, making this a challenging project. The approximate contract value is \$150,000. (With previous employer.)
(2015 – 2016)	<b><u>LADOTD - Calcasieu River Bridge EIS, SPN. H.006783, Lake Charles, LA:</u></b> Mr. Regis was Project Manager responsible for the coordination of the NEPA process and roadway related tasks such as alternatives development, geometric analysis, and the Interchange Justification Report. The primary purpose of this project is to increase capacity along I-10 from the east and west interchanges with I-210 in the Lake Charles region. The study corridor is approximately 9 miles long and includes the high-level Calcasieu River Bridge. It also includes improvements and widening to the interstate approach roadways on either side of the urban bridge, including several complex interchanges. Approximate contract value \$6M. (EIS in development). (With previous employer.)
(Work Prior to HEI.)	<b><u>SPN. H.004791, LADOTD- Belle Chasse Tunnel and Bridge Replacement Stage 1- Environmental Assessment, Plaquemines Parish, LA:</u></b> Mr. Regis was Project Manager responsible for the coordination of the NEPA process in particular the Bridge and Tunnel Historic Preservation alternatives. The Belle Chasse Tunnel and the Judge Perez Bridge are critical transportation links for residents, businesses and industries in the Westbank, Plaquemines Parish. Concerns have been identified with the functionality and reliability of these existing structures that form the LA 23 crossing of the Algiers Canal/Algiers Alternate Route of the Gulf Intracoastal Waterway (GIWW) and their ability to meet the needs of both the vehicular and maritime transportation corridors and the surrounding community. Replacing the existing structures will make both daily commutes and hurricane evacuations easier, faster, and more reliable. It will help encourage economic growth in the area by providing the area's businesses and industries with a more efficient transportation system. A new bridge is also expected to be far less expensive to operate and maintain than the existing Belle Chasse Tunnel and Judge Perez Bridge. Project was on an expedited schedule and in metric units, making this a challenging project. (With previous employer.)
(Work Prior to HEI.)	<b><u>Intersection Improvements US 190 at Northpark, St. Tammany Parish, LA:</u></b> Mr. Regis was Project Manager responsible for final layout of intersection improvements on two streets within the Northpark Business Park which connect to US Highway 190. Improvements include widening existing streets to add capacity for turn movements and improving traffic signals as needed to accommodate new movements. The design of an additional left turn lane from US 190 to Northpark, and a right turn lane from Northpark to US 190 was also included. The approximate contract value is \$120,000. (LADOTD, State Project No. 700-30-0270) (Construction Completed).
(Work Prior to HEI.)	<b><u>I-110 Bridge Rehabilitation, Biloxi, MS:</u></b> Mr. Regis was Project Manager responsible for the development of complex traffic control plans for a heavily traveled bridge requiring rehabilitation. Task included maintaining traffic on the bridge during rehabilitation work. The approximate contract value is \$70,000. (MDOT) (Completed).



Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		
Name	<b>David L. Atkins</b>	Years of relevant experience with this employer	<b>10 (2015)</b>	
Title	<b>Designer</b>	Years of relevant experience with other employer(s)	<b>44 (1971)</b>	
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		<b>Designer;</b> Mr. Atkins responsibilities will include: - Design - Plans		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Atkins brings over 50 years of experience in design and construction administration for local, state, and federal agencies in Mississippi and Louisiana. He is a versatile designer with expertise in roadways, bridges, hydraulics, wastewater treatment and collection, water treatment and distribution, permitting, large-scale erosion control projects, and various aspects of airport design.				
(2018 – 2026 est.)	<b><u>LADOTD SP 700-26-0234, 826-44-0027; Dickory / Hickory Avenue Extension (LA 48 - Mounes), Route LA 3154, Jefferson Parish, LA:</u></b> Mr. Atkins is providing Design Support for the Roadway Design. Additionally, the design incorporated necessary corrections to align with current 2006 specifications and updated bid items, ensuring compliance with regulatory and project requirements Project No. 12-092-06			
(2017 – 2018)	<b><u>SPN H.012884, FAP H.012884: Woodmere Blvd. Panel Replacement, Jefferson Parish, LA:</u></b> Mr. Atkins performed quantity take-offs and QC/QA for this concrete panel replacement project with an expected cost of \$3,000,000. HEI Project No. 12-092-13			
(01/2019 – 05/2020)	<b><u>UTL-17-002, Task Order No. HEI-19-003, LA HWY 42 – LA HWY 73 Roadway Corridor (Project Area P1-6), Ascension Parish, LA:</u></b> Mr. Atkins provided Design Support to HEI and helped performed a preliminary engineering study to determine two potential sewer collection alignments/ conceptual design including construction costs based upon finding of current sewer flows. HEI Project No. 12-031-12C			
(2017 – 2020)	<b><u>C. Braud Road Safety Widening, Ascension Parish, LA:</u></b> Mr. Atkins provided Design Support to HEI for the Approx. 1 mile of safety widening along C. Braud Rd. and adding turning lanes on LA 928 onto C. Braud Rd. Design includes Roadway, Drainage and Sequence of Construction. HEI Project No. 12-031-13			
(Work Prior to HEI.)	<b><u>Road and Bridge Experience:</u></b> Mr. Atkins has designed and constructed over 100 Mississippi State Aid Road and Bridge Projects in Adams and Wilkinson Counties. Mr. Atkins was involved in the widening of U.S. 61 and U.S. 84 (50 miles) and the relocation of Hwy 33 and 28 for MDOT. (Work performed under previous consulting firm).			
(Work Prior to HEI.)	<b><u>Airport Experience:</u></b> Mr. Atkins has designed all major aspects of the Natchez-Adams County Airport, including runways, T-hangers, drainage, etc. (Work performed under previous consulting firm).			
(Work Prior to HEI.)	<b><u>Drainage and Erosion Control Experience:</u></b> Mr. Atkins has designed and constructed over 150 NRCS EWP projects. The largest being the Natchez Bluff Stabilization project funded by the USACE and NRCS, (\$30 million construction cost). Mr. Atkins managed and designed over 25 projects funded by the USACE 592 program. (Work performed under previous consulting firm).			


Firm employed by					
Name	Connor D. Guidry, E.I.		Years of relevant experience with this employer		8 (2017)
Title	Engineer Intern		Years of relevant experience with other employer(s)		1 (2017)
Degree(s) / Years / Specialization		B.S., 2018, Civil Engineering, Louisiana Tech University, Ruston, LA			
Active registration number / state / expiration date		EI.0033801 / Louisiana / 03/31/2027			
Year registered	2017	Discipline	Civil		
Contract role(s) / brief description of responsibilities		Project Engineer; Roadway Engineer, Design, Preliminary, & Final specifications & plans			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
Mr. Guidry first started with HEI as an engineering intern in 2016. He began full-time after graduating in 2018 and also gained his E.I. that year. Mr. Guidry has experience in Roadway/Highway, Drainage, and Sewer projects, with many of the projects including safety widening and intersection improvements.					
(2015 – 2024)	<p><b><u>SPN H.009320/F.A.P. H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), Lafourche Parish, LA:</u></b> Mr. Guidry was a Project Engineer that addressed comments, changes to design, attended Plan in hand meetings and assisted the lead engineer. Design of a traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson ST. in Thibodeaux, LA. The proposed roundabout shall branch from LA 20 into Canal Blvd. and Jackson St., also connecting Back St. and Thompson Pl. at the east and west approaches. Design will conform to EDSM V1.11.6. (HEI Project No. 12-092-09)</p>				
(2018 – 2026 est.)	<p><b><u>LADOTD SP 700-26-0234, 826-44-0027; Dickory / Hickory Avenue Extension (LA 48 - Mounes), Route LA 3154, Jefferson Parish, LA:</u></b> Mr. Guidry served as the Roadway Design Engineer for this ongoing project and continues to provide project engineer support. His responsibilities included comprehensive checks on vertical and horizontal alignment, hydraulic design, and quantity computations. He coordinated closely with the U.S. Army Corps of Engineers’ Pump to the River project and Entergy’s Transmission Towers to ensure compatibility with existing infrastructure. In addition, Mr. Guidry’s work incorporated necessary design corrections to align with the 2006 specifications and updated bid items, ensuring full compliance with regulatory and project requirements. (HEI Project No. 12-092-06)</p>				
(2023 – 2027 est.)	<p><b><u>Public Works No. 2017-046-RBP – Lapalco Blvd. Bridge over Harvey Canal – Jefferson Parish, LA:</u></b> Mrs. Guidry is a project engineer providing the lead Roadway Design. HEI is providing all Roadway Design services for Eastbound and Westbound roadways to install a new Westbound bridge crossing Harvey Canal. (HEI Project No. 11-014-53-86)</p>				
(02/2022 – 2025 est)	<p><b><u>SPN H.012914.5, LADOTD - Task Order #5 – LA 3073: Ambassador @ Verot – Chemin - Bonin Improvements, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mr. Guidry provided Design Support for the lane extension. HEI’s responsibilities included extending existing turn lanes to LA 89 and LA 3073. Extended the eastbound and westbound left turn lanes on LA 3073 and removed island between the left turn lane and the through lanes. Also, extended the eastbound and westbound right turn lanes on LA 3073. The widening of roadways and the median modifications in appropriate locations met design standards. (HEI Project No. 12-092-14D)</p>				

(10/2019 – 02/2021)	<b><u>SPN H.972104 US 190 Sidewalk Improvements (US 11 (Front St.) to 14th St.), Slidell, LA.</u></b> Mr. Guidry provided Engineering Support for the preparation of Plans (letter size) and Specifications for the removal of Existing Sidewalks and Pedestrian Signals and replace with updated ADA compliant sidewalks, Handicap Ramps and Pedestrian Signals Construction Value of approximately \$500,000. HEI Project No. 12-090-11
(09/2021 – 2023)	<b><u>SPN H.014100.5, LADOTD - Task Order #3 – LA 408: I-110 – LA 410 (Hooper Rd.), IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62.</u></b> Mr. Guidry responsibilities included Design, Pavement Tables, site visit to field work and assessment. The project includes concrete panel replacement and composite pavement repair along the travel lanes of LA 408 from 565- ft west of the CL of the I-110 overpass up to the end of concrete section approximately 4.5 miles (and including the intersection of LA 410 and LA 408). The Project also includes curb repair as needed. HEI Project No. 12-092-14a
(09/2022 – 2024)	<b><u>SPN H.009425.5, LADOTD - Task Order #4 – LA 16 (N 2<sup>nd</sup> Street to LA 445) IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62.</u></b> Mr. Guidry was Project Engineer and provided Preliminary Drainage submittal and Design of the proposed system. HEI’s responsibilities included removing the existing storm drain system and replacing it with a larger system + 0 increase the hydraulic capacity. These improvements will help prevent the flooding of LA 16 by adding a properly sized system with reduced head losses and in addition help to eliminate flooding possibilities for the businesses fronting LA 16. HEI Project No. 12-092-14b
(12/2021 – 5/2025)	<b><u>RR056 Gentilly Terrace Group F – Project No. 2021-RR056 (DPW FEMA PW No. 21032), City of New Orleans, LA.</u></b> Mr. Guidry was Roadway Engineer and assisted in Design, Preliminary and final construction plans. HEI is responsible for performing design engineering services and construction administration services for FEMA-eligible roadway repairs on assigned streets within RR056 Gentilly Terrace Group F neighborhoods. Includes replacing damaged underground water, sewer, and drainage lines, repaving the roadway, replacing, replacing damaged sidewalks and driveway aprons, and installing ADA compliant curb ramps at intersections. HEI Project No. 11-076-10
(2011 – 2016)	<b><u>SPN 742-26-0033 / H.007175, F.A.P. No. 6130 (010): LADOTD - Lapalco Boulevard Improvements (Victory Dr. to Westwood Dr.) Jefferson Parish, LA.</u></b> Mr. Guidry was a Project Engineer and assisted in Design, Preliminary and final construction plans for 0.8 miles of road widening (from 4-6 lanes), drainage improvements, wetland delineation and jurisdictional determination, public hearings, regulatory agency coordination, permitting, (404 from COE, Coastal Use from LDNR, Water Quality Certification from LDEQ), and wetland mitigation. HEI Project No. 11-014-53
(2015 – 2017)	<b><u>LA 30 AT Purpera Intersection Improvements, Project No. SPN H.0011490, Ascension Parish, LA</u></b> – Mr. Guidry provided Engineering Support for the intersection improvements for traffic safety and efficient traffic movement at LA 30 and Purpera Avenue in the City of Gonzales. The proposed improvements include widening LA 30 to provide room for constructing a left turn lane for East and Westbound traffic signal, drainage improvements, removal of a commercial driveway, and a new pavement are all incidental improvements to the proposed work. (HEI Project No. 12-031-07)
(2017 – 2020)	<b><u>C. Braud Road Safety Widening, Ascension Parish, LA.</u></b> Mr. Guidry was a Project Engineer that addressed comments, changes to design, attended Plan in hand meetings and assisted the lead engineer. Approx. 1 mile of safety widening along C. Braud Rd. and adding turning lanes on LA 928 onto C. Braud Rd. Design includes Roadway, Drainage and Sequence of Construction. HEI Project No. 12-031-13


Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		
Name	<b>Madeline M. Bourgeois, E.I.</b>	Years of relevant experience with this employer	<b>4 (2021)</b>	
Title	<b>Engineer Intern</b>	Years of relevant experience with other employer(s)	<b>0</b>	
Degree(s) / Years / Specialization		<b>B.S., 2019, Civil Engineering, Louisiana State University, Baton Rouge</b>		
Active registration number / state / expiration date		<b>E.I. EI34782 / Louisiana / 09/30/2025</b>		
Year registered	<b>2021</b>	Discipline	<b>Civil</b>	
Contract role(s) / brief description of responsibilities		<b>Project Engineer; Roadway Engineer, Design, Preliminary, &amp; Final specifications &amp; plans</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Ms. Bourgeois just started with HEI as an engineering intern in 2021. She began full-time in January 2022. Ms. Bourgeois has experience in Roadway/Highway projects, with these projects including safety widening and intersection improvements.				
(09/2021 –2023)	<b><u>SPN H.014100.5, LADOTD - Task Order #3 – LA 408: I-110 – LA 410 (Hooper Rd.), IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Ms. Bourgeois assisted with plans and specifications. The project includes concrete panel replacement and composite pavement repair along the travel lanes of LA 408 from 565- ft west of the CL of the I-110 overpass up to the end of concrete section approximately 4.5 miles (and including the intersection of LA 410 and LA 408). The Project also includes curb repair as needed. HEI Project No. 12-092-14a			
(2022 – Ongoing)	<b><u>SPN H. 014316 LADOTD – Lapalco Blvd. (Tanglewood to Victory) Phase 2, Jefferson, Parish, LA:</u></b> Ms. Bourgeois is a roadway Engineer for the widening of this major arterial 2 lane section Urban Systems Project from 2 lanes to a 2-lane boulevard section. Ms. Bourgeois is responsible for roadway activities and active participation in design. The Project is approximately 0.7 miles and includes 2 lane sections from 1 lane to a 2 lane boulevard utility relocation, temporary traffic control, and a new signal.			
(02/2022 – 2025 est)	<b><u>SPN H.012914.5, LADOTD - Task Order #5 – LA 3073: Ambassador @ Verot – Chemin - Bonin Improvements, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Ms. Bourgeois is assisting on design for this project. HEI’s responsibilities will include extending existing turn lanes to LA 89 and LA 3073. Extend the eastbound and westbound left turn lanes on LA 3073 and remove the island between the left turn lane and the through lanes. Also, extend the eastbound and westbound right turn lanes on LA 3073. The widening of roadways and the median modifications in appropriate locations are to meet design standards.			
(09/2022 – 2024)	<b><u>SPN H.009425.5, LADOTD - Task Order #4 – LA 16 (N 2<sup>nd</sup> Street to LA 445) IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Ms. Bourgeois was Project Engineer assisting with drainage maps. HEI’s responsibilities included removing the existing storm drain system and replacing it with a larger system + 0 increase the hydraulic capacity. These improvements will help prevent the flooding of LA 16 by adding a properly sized system with reduced head losses and in addition help to eliminate flooding possibilities for the businesses fronting LA 16. HEI Project No. 12-092-14b			

Firm employed by				
Name	<b>Omar Sarmini</b>	Years of relevant experience with this employer	<b>1 (2024)</b>	
Title	<b>Engineer Intern</b>	Years of relevant experience with other employer(s)	<b>0</b>	
Degree(s) / Years / Specialization		<b>B.S., 2025, Civil Engineering, Louisiana State University, Baton Rouge</b>		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<b>Engineer Intern; Mr. Sarmini's responsibilities will include assisting the Project Manager and Project Engineers on Design work.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Sarmini has been an integral part of Hartman Engineering for over a year. He began his career with the firm as a summer intern, and upon graduating from LSU in May 2025, transitioned into a full-time role. Since then, Mr. Sarmini has consistently demonstrated initiative and technical skill, providing valuable support to Project Engineers across a wide range of projects. His rapid growth and contributions have made him a reliable and trusted member of the Hartman team.				
(2023 – 2027 est.)	<b>Public Works No. 2017-046-RBP – Lapalco Blvd. Bridge over Harvey Canal – Jefferson Parish, LA:</b> Mr. Sarmini is providing Engineer Support to the Lead Engineer, Mrs. Connelly, for this project. The design included comprehensive checks on vertical and horizontal alignment, hydraulic design, and quantity computations. She led coordination efforts with the U.S. Army Corps of Engineers' Pump to the River project and Entergy's Transmission Towers to ensure compatibility with existing infrastructure. Additionally, the design incorporated necessary corrections to align with current 2006 specifications and updated bid items, ensuring compliance with regulatory and project requirements. (HEI Project No. 11-014-53-86)			
(2022 – Ongoing)	<b>SPN H. 014316 LADOTD – Lapalco Blvd. (Tanglewood to Victory) Phase 2, Jefferson, Parish, LA:</b> Mr. Sarmini is providing Engineering Support to the Roadway Engineer, Mr. Guidry, for the widening of this major arterial 2 lane section Urban Systems Project from 2 lanes to a 2-lane boulevard section. Ms. Bourgeois is responsible for roadway activities and active participation in design. The Project is approximately 0.7 miles and includes 2 lane sections from 1 lane to a 2-lane boulevard utility relocation, temporary traffic control, and a new signal.			


Firm employed by				
Name	<b>Gavin Fleming</b>	Years of relevant experience with this employer	<b>2 (2023)</b>	
Title	<b>Construction Manager</b>	Years of relevant experience with other employer(s)	<b>14</b>	
Degree(s) / Years / Specialization		<b>Louisiana State University, Baton Rouge, LA</b>	<b>Bachelor of Science, Construction Management, 2008</b>	
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<b>Project Manager ; Mr. Fleming's responsibilities will include assisting on Construction Support</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Fleming has 15 years of Construction Management experience. Responsibilities include managing office personnel, meeting clients, estimating/budgeting projects, interpreting project documents, managing and analyzing projects. Construction Markets include Commercial and Municipal.				
(2021 – 2023)	<u><b>Veterans Memorial Blvd. Multi-Use Path and Improvements, DPW No. 2021-011-RB Jefferson Parish, LA:</b></u> Mr. Flemming provided Construction Admin for this project. The project consists of designing an ADA compliant bicycle and pedestrian path, signage for the Lafreniere Park Entrance, landscaping, locations for art and sculptures, cross corridor pedestrian access, and application of complete street policy on Veterans Memorial Blvd. to N. Scenic Drive. This project includes a proposed bike path along Downs Blvd from Veterans Memorial Blvd. to N. Scenic Dr., approximately 180-ft into Lafreniere Park from the park entrance. (HEI Project No. 11-014-102)			
(2020 – 2023)	<u><b>Florence Street Drainage Improvements, Paillet Ave. to Brown Ave. Canal (PWP No. 2020-004-DR), Jefferson Parish, LA.:</b></u> Mr. Flemming provided Construction Admin for this project. This project includes the installation of approximately 300 ft. of 54” RCP, and 400 ft. of 60” RCP along Florence Street between Paillet Avenue and the Brown Avenue Canal, including catch basins, manholes, outfall, street replacement, mill, and overlay of roadway, relocations of utilities that interfere with the construction, and other incidentals. (HEI Project No. 11-014-98)			
(09/2017 – On Going)	<u><b>RR 189 Village De L’Est Group C, DPW Project NO. 2017-RR189, DPO REMA PW NO. 21032:</b></u> Mr. Flemming provided Construction Admin for this project. The Engineering and construction management services for fall roadway reconstruction including drainage, water, and sewer replacements. The construction cost is approximately \$8,000,000. HEI Project No. 11-014-92			

Firm employed by		<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		
Name	Stephen F. Urquhart	Years of relevant experience with this employer	28 (1997)	
Title	Civil/CADD Designer	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization		Associate degree, 1997, Drafting/Design (AutoCAD/GIS)		
Active registration number / state / expiration date		N/A		
Year registered	N/A	Discipline	N/A	
Contract role(s) / brief description of responsibilities		<b>CADD Specialist;</b> Mr. Urquhart responsibilities will include: <ul style="list-style-type: none"> <li>- Design</li> <li>- AutoCADD drafting/designing</li> </ul>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
Mr. Urquhart has almost 30 years of drafting experience. Through his many years of service, he has amassed a wide range of drafting experience. In addition, through the years, he has become a competent design assistant on many diverse and complex projects. Mr. Urquhart is experienced in AutoCAD drafting/designing, ESRI ArcView/GIS mapping & database, extraction of GPS survey data for mapping via ArcView/GIS, illustrations, & renderings.				
(2015 – 2024)	<u><b>SPN H.009320/F.A.P. H009320: Acadian Roundabout, Route LA 20 (Canal Boulevard) and Local Routes (Back St., Jackson St., Thompson Place), LaFourche Parish, LA:</b></u> Mr. Urquhart performed CADD and drafting services for the design of a traditional-shaped, dual-lane, five-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodaux, LA. His responsibilities included developing detailed plan sheets for roadway widening, geometric design, and drainage improvements. He assisted in drafting utility relocation plans, valve engineering layouts, and temporary traffic control measures, ensuring proper phasing for construction. Mr. Urquhart also prepared design visualizations, cross-sections, and detailed alignments to support project coordination and review. All design elements conform to EDSM V1.11.6 and the 2017 roadway design guidelines, ensuring compliance with current standards. HEI Project No. 12-092-09			
(2018 – 2022)	<u><b>Intersection Improvements (Veterans Blvd. – Bonnabel Blvd.) JP Parish Project 2017-028-RBP, Jefferson Parish, LA:</b></u> Mr. Urquhart was responsible for all drafting services for the capacity improvements project at the intersection of Veterans Boulevard and Bonnabel Boulevard. His work included detailed design drawings for the addition of left-turn lanes in both directions along Veterans Boulevard to improve traffic flow and reduce congestion. The project also incorporated new U-turn lanes along Bonnabel Boulevard to enhance accessibility and circulation. Additionally, he contributed to the design of upgraded traffic signals, which now include pedestrian accommodation and provisions for future bike paths, ensuring improved safety and multimodal connectivity for the area. (HEI Project No. 11-014-95)			
(02/2022 – 2025 est)	<u><b>SPN H.012914.5, LADOTD - Task Order #5 – LA 3073: Ambassador @ Verot – Chemin – Bonin Improvements, IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</b></u> Mr. Urquhart served as the CADD Designer for this project. HEI’s responsibilities included extending existing turn lanes at LA 89 and LA 3073 to improve traffic flow and safety. The scope involved extending the eastbound and westbound left-turn lanes on LA 3073 and removing the island between the left-turn lane and the through lanes to enhance operational efficiency. Additionally, the eastbound and westbound right-turn lanes on LA 3073 were extended to accommodate increased traffic demand. Mr. Urquhart provided			


	detailed CADD design services, including the preparation of plan sheets for roadway widening, median modifications, and geometric layouts to ensure the design met current standards and specifications. HEI Project No. 12-092-14D
(09/2022 – 2024)	<b><u>SPN H.009425.5, LADOTD - Task Order #4 – LA 16 (N 2<sup>nd</sup> Street to LA 445) IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mr. Urquhart served as the CADD Designer for this project. HEI's responsibilities included removing the existing storm drain system and replace with a larger system + 0 increase the hydraulic capacity. These improvements will help prevent the flooding of LA 16 by adding a properly sized system with reduced head losses and in addition helping to eliminate flooding possibilities for the businesses fronting LA 16. HEI Project No. 12-092-14b
(09/2021 – 2023)	<b><u>SPN H.014100.5, LADOTD - Task Order #3 – LA 408: I-110 – LA 410 (Hooper Rd.), IDIQ Contract for Pavement Preservation Services with Majority of Work in Districts 02, 03, 07, 61, and 62:</u></b> Mr. Urquhart provided detailed CADD and drafting services for this project, which involved concrete panel replacement and composite pavement repair along the travel lanes of LA 408. The repair area extended from 565 feet west of the centerline of the I-110 overpass to the end of the concrete section, covering approximately 4.5 miles and including the intersection of LA 410 and LA 408. His responsibilities included preparing detailed plan sheets for concrete panel removal and replacement, composite pavement repair layouts, and curb repair locations as needed. Mr. Urquhart also developed construction phasing plans, traffic control layouts, and detailed cross-sections to ensure accurate representation of proposed improvements. HEI Project No. 12-092-14a
(2011 – 2016)	<b><u>SPN 742-26-0033 / H.007175, F.A.P. No. 6130 (010): LADOTD – Lapalco Blvd. (Victory Dr. to Westwood Dr.) Jefferson Parish, LA.:</u></b> Mr. Urquhart provided CADD services for the widening of this major arterial boulevard section Urban Systems Project from 4 lanes to 6 lanes. The project is approximately 0.8 miles and includes installation of new curb and gutter sections, subsurface drainage, pavement widening, utility relocation and temporary traffic control. HEI Project No. 11-014-53
(2018 – On Going)	<b><u>LADOTD SP 700-26-0234, 826-44-0027; Dickory / Hickory Avenue Extension (LA 48 - Mounes), Route LA 3154, Jefferson Parish, LA:</u></b> Mr. Urquhart provided drafting support for plan revisions, ensuring accuracy in roadway and drainage layouts. His work also involved drafting coordination details between the U.S. Army Corps of Engineers' Pump to the River project and Entergy's Transmission Towers. Design included performing checks on vertical and horizontal alignment, hydraulic design, quantity computations, coordination between U.S. Army Corps of Engineers Pump to the River project and Entergy's Transmission Towers, and corrections to reflect current 2006 specifications and current bid items. (HEI Project No. 12-092-06)
(2017 – 2018)	<b><u>SPN No. H012884: LADOTD - Woodmere Boulevard Panel Replacement, Jefferson Parish, LA.;</u></b> Mr. Urquhart provided drafting services. This project was designed under HEI's previous LADOTD's Pavement Preservation Retainer. The project required concrete panel replacements determined during design, along Woodmere Boulevard from Lapalco Boulevard to Eastview Drive (1.15 miles). Curb replacement was also considered due to adjacent panel replacements.
(2015 – 2024)	<b><u>SPN H.004957, I-12 To Bush Corridor LA3241 (I-12 TO LA36) St. Tammany Parish, LA:</u></b> Mr. Urquhart provided drafting services. The project improvements include preliminary design of a rural arterial (RA-3) 4-lane corridor with a raised median. The corridor is primarily a control-of-access route featuring bridge and intersection design. Mr. Urquhart prepared technical drawings for drainage systems, roadway modeling using InRoads software, and detailed plan sheets for project specifications. HEI No. 12-092-10
(2015 – 2017)	<b><u>SPN H.011490, F.A.P. No. H.011490: LADOTD – LA 30: Left Turn Lane at S. Purpera Ave, Ascension Parish, LA:</u></b> Mr. Urquhart is responsible for electronic plan preparation and development via Bentley MicroStation in conformance with LADOTD drafting requirements, plan production via Bentley Interplot Professional software, certification via CAD conform, and submittal assistance utilizing the Bentley ProjectWise Interface. HEI Project No. 12-031-07

Firm employed by			
Name	<b>Beth Wappler</b>	Years of relevant experience with this employer	<b>1 (2024)</b>
Title	<b>Civil/CADD Designer</b>	Years of relevant experience with other employer(s)	<b>39</b>
Degree(s) / Years / Specialization		<b>University of Houston UH Community College Drafting 1985</b>	
Active registration number / state / expiration date		<b>N/A</b>	
Year registered	<b>N/A</b>	Discipline	<b>N/A</b>
Contract role(s) / brief description of responsibilities		<b>CADD Designer; Ms. Wappler responsibilities will include:</b> <ul style="list-style-type: none"> <li>- Civil Designer</li> <li>- AutoCAD, Civil 3D, and ArcMap/ArcGIS.</li> </ul>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>(2022 – Ongoing)</b>	<p><b><u>Roosevelt Blvd. Roadway Improvements – W. Metairie Ave. to W. Napoleon Ave., S.P.N. H.615120, City of Kenner, LA:</u></b> Ms. Wappler assisted on CADD and drafting design. Project improvements include the reconstruction of Roosevelt Boulevard from W. Napoleon Avenue to W. Metairie Avenue. Work comprises of the following: pavement removal and replacement, drainage lateral replacement, curb inlet adjustments, drainage trunkline repairs, roadway cross-slope correction, driveway replacement (to R/W), minor sidewalk adjustments (at driveways), and removal of median trees. (HEI Project No. 11-011-88)</p>		
<b>(2019 – 2026 est.)</b>	<p><b><u>US 190 Sidewalk Improvements (Front St. to 14th St.) SPN H.013151, Slidell, LA:</u></b> Ms. Wappler assisted on CADD and drafting design. HEI is providing design services for the removal of existing curbs and sidewalks, installation of new ADA compliant sidewalks and handicap ramps along existing US 190 from US 11 (Front St.) to 14th St., new cross walk striping, and remove and replace pedestrian signals with ADA compliant pedestrian signals at the following intersections: 7th St., 9th St., LA 1091 (Robert Blvd), and 14th St. The length of this project is approximately 0.64 miles. The existing roadway is a four lane undivided concrete road with a dedicated center left turn lane with mountable curbs and sidewalks for the full length of the project. (HEI No. 12-090-11)</p>		

Staff Experience: **G.E.C., Inc.**



Firm employed by				
				
Name	<b>Keith Rebello, PhD, PE</b>		Years of relevant experience with this employer	<b>27</b>
Title	<b>Senior Professional Civil Engineer</b>		Years of relevant experience with other employer(s)	<b>8</b>
Degree(s) / Years / Specialization		<b>B.S. / 1983 / Civil Engineering; M.S. / 1986 / Civil Engineering; Ph.D. / 1990 / Civil Engineering</b>		
Active registration number / state / expiration date		<b>24937 / LA / 03-31-2027</b>		
Year registered	<b>1992</b>	Discipline	<b>Civil Engineer</b>	
Contract role(s) / brief description of responsibilities		<b>Role on this Project: Bridge Design</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<i>35 years of experience</i>	Dr. Rebello has 35 years of structural engineering experience following his research work on non-linear deformation behavior of pre-stressed concrete bridges. He has designed and managed a variety of structural projects involving complex interstate and highway bridges (new, replacement, rehabilitation and widening), retaining walls, noise walls, buildings, water and wastewater treatment facilities, hurricane protection systems & hydraulic structures. He has extensive experience with rating bridges in accordance with LADOTD and AASHTO MBE requirements and performed ratings using AASHTO bridge rating (Virtis) software and finite element analysis.			
<b>06/17-Present</b>	<b><u>LADOTD S.P. NO. H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.:</u> Jefferson Parish, LA. <i>Structural Engineer // Project Manager</i> - Dr. Rebello was in charge of bridge load rating of existing bridges, bridge design management, and structural design for this complex project. Dr. Rebello supervised and performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.58-mile urban interstate project. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made regarding widening or replacing the existing bridges. The data supported bridge replacement. Dr. Rebello supervised the structural design of all components of the replacement bridges – deep foundations, bridge piers, and steel and pre-stressed concrete bridge superstructure design, including composite pre-stress and steel girder span. All pre-stress girders were Louisiana (LG) girders designed in accordance with AASHTO LRFD bridge specifications. Design has also been performed on the replacement of portions of the concrete lining of Canal No. 3 that will be impacted by the new bridge design.</b>			
<b>08/20-05/25</b>	<b><u>LADOTD S.P. No. H.013897 / I-10 &amp; I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD:</u> East Baton Rouge Parish, LA. <i>Bridge Task Lead</i> - Dr. Rebello was Bridge Task Lead for the GEC/Boh Bros. team. He was responsible for engineering and design quality services necessary to complete the design and construction of the I-10 &amp; I-12 College Dr. Flyover Project. The Flyover was designed and construction plans were developed to permit a two-phase construction to maintain at least two lanes of traffic at all times. Dr. Rebello designed the two-span continuous (180 feet per span) steel superstructure for the flyover as well as rolled steel girder spans for widening the existing I-10 westbound bridge over Ward Creek. He also designed and supervised plan development for Retaining Walls at both the west and east ends of the I-10 Flyover Bridge over I-12. The walls are cast-in-place concrete inverted T-walls. The walls at the west end of the Flyover prevent embankment soil from spilling on to the westbound I-</b>			

	<p>12 roadway. The walls total 450 feet in length and retain soil heights varying from 4 feet to 18.5 feet. The base of the retaining wall is predominately soil supported with the exception of a 100 foot section under the taller walls. This section is supported on 3 sets of 60'-0" long Class B timber piles spaced at 4'-6" along the wall. The retaining wall at the east end of the flyover is 150 feet long and varies in height from 3.5 feet to 12 feet. The wall prevents embankment from spilling on to the eastbound I-12 roadway and its base is entirely soil supported. Retaining wall designs accounted for lateral soil pressure and traffic surcharge soil pressures in accordance with AASHTO LRFD Bridge Design Specifications, 8th Ed. 2017.</p>
08/05-07/13	<p><b><u>LADOTD, US 71/165 FORT BUHLOW BRIDGE AND APPROACHES: Alexandria/Pineville, LA.</u></b> <i>Structural Engineer - Dr. Rebello</i> performed preliminary design of a new 0.6-mile bridge spanning the Red River. He developed alternative designs employing pre-stressed concrete and steel girder spans and segmental concrete box girder spans. He prepared preliminary plan alternative layouts for curved steel girder ramps and bridge plans for an overpass over a railroad, using conventional precast pre-stressed concrete girders. Ultimately, the bridge was designed with AASHTO 72" Type BT girder spans and a 1000', 3-span steel girder unit over the channel.</p>
07/15-Present	<p><b><u>LADOTD S.P. No. H.004273.5 / I-49 CONNECTOR, LAFAYETTE REGIONAL AIRPORT TO I-10/I-49/US 167 INTERCHANGE: Lafayette, LA.</u></b> <i>Structural Engineer -</i> This project includes bridge design and construction of a freeway with accompanying interchanges in the Evangeline Thruway US 90/US 167 corridor and flanking collector/distributor roads for local traffic circulation and land access. The project begins just south of the Lafayette Regional Airport and continues north to the I-10/US 167/I-49 interchange, a length of approximately five miles. Dr. Rebello performed grillage analyses to design three-span continuous steel tub girders as a viable alternative to other bridge span types.</p>
04/13-07/21	<p><b><u>LADOTD S.P. NOS. H.011207 &amp; H.011239 / LEEVILLE TO GOLDEN MEADOW PHASE II, LA 1 RELOCATION: Lafourche Parish, LA.</u></b> <i>Structural Engineer -</i> Dr. Rebello serves as a Structural Engineer as part of a team involved in the design of the widening of an existing bridge and the construction of a new bridge totaling 6,500 feet in length. The variably widened portion of the bridge consists of prestressed concrete Type III girder spans. The new bridge portions will be supported on special new Louisiana (LG) girders. Dr. Rebello performed the LRFR rating on the existing girders and pile bents to assess the structural feasibility for widening. Dr. Rebello was responsible for ensuring that all updated AASHTO and LADOTD specifications were incorporated into the design. Once the widening was deemed feasible, and all design completed, Dr. Rebello performed an As-Designed Rating on the entire structure.</p>
09/20-Present	<p><b><u>EBR CITY-PARISH, BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA.</u></b> <i>Bridge Design -</i> GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Dr. Rebello performed an investigation of the bridge over Dawson Creek to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM. The investigation included a field inspection of the bridge to assign Condition Ratings to the super- and sub-structure components which were subsequently used in the performance of a bridge load rating based on the AASHTO Manual of Bridge Evaluation and the LADOTD BDEM. Based on the load rating, GEC recommended that the existing bridge be replaced and is currently 95% complete with the design and construction plan development of the replacement bridges. (CITY-PARISH PROJECT NO. 19-CP-HC-0034)</p>



Firm employed by			
Name	<b>Varaprasad Venkata, PE</b>	Years of relevant experience with this employer	<b>18</b>
Title	<b>Senior Professional Civil Engineer</b>	Years of relevant experience with other employer(s)	<b>10</b>
Degree(s) / Years / Specialization		<b>B.S. / 1992 / Civil Engineering; M.S. / 1995 / Civil Engineering</b>	
Active registration number / state / expiration date		<b>40594 / LA / 09-30-2026</b>	
Year registered	<b>2016</b>	Discipline	<b>Structural Engineer</b>
Contract role(s) / brief description of responsibilities		<b>Role on this Project: Bridge Design</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<i>28 years of experience</i>	Mr. Venkata has 28 years of structural engineering experience involving highway bridges, low & high mast light pole supports, highway sign supports, hurricane protection systems, water treatment and distribution facilities, and industrial structures. He has provided design services for state agencies inclusive of FHWA funding, tolling commissions, as well as non-state entities and private industry. His design experience includes AASHTO structural sign supports for highway signs, traffic signal supports, camera pole platforms and supports, DMS sign supports and main platforms, and low and high mast light pole attachments and foundations. His bridge design experience includes widening existing structures and new structures for highly congested interstates and major highways, which includes, but not limited to, the design of pile bents, column bents, PSC girders, concrete deck, and steel girders.		
<b>06/17- PRESENT</b>	<b><u>LADOTD S.P. NO. H.003074 / I-10 WIDENING, WILLIAMS BLVD. TO VETERANS BLVD.: Jefferson Parish, LA.</u></b> Structural Engineer - Mr. Venkata performed superstructure and substructure load rating for existing bridges and ramps for this highly congested 2.28-mile urban interstate. The extensive load rating and documentation provided to LADOTD allowed an informed decision to be made on whether to widen or replace the existing bridges at Veterans crossing. Mr. Venkata performed structural design of Pile bents, column bents, LG type PSC Girders, steel plate girders, bearing pads, deck slabs, curtain walls for new Southbound bridge, Northbound bridge and off Ramp to Veterans Blvd. in accordance with AASHTO LRFD Bridge design specifications and LADOTD BDEM. He also assisted in the development of plans and specs. Mr. Venkata worked on design and as designed rating for both bridges in accordance with AASHTO LRFD Bridge Design Specifications and LADOTD Bridge design standards. Mr. Venkata analyzed and designed concrete blisters to support structure (Bridge) mounted Low mast poles in accordance with the AASHTO LRFD Bridge design specifications and AASHTO “Structural Supports for Highway Signs, Luminaries, and Traffic Signals” and LADOTD Bridge Design Manual. In addition, Mr. Venkata provided design of two structure-mounted trusses (overhead and cantilever) for relocated signs.		
<b>08/23–Present</b>	<b><u>LADOTD CONTRACT NO. 44-25040 / IJA OFF-SYSTEM BRIDGE PROGRAM, DISTRICT 61 LESS EBR: East &amp; West Feliciana, Iberville, Pointe Coupe, West Baton Rouge, Ascension, &amp; Assumption Parishes, LA.</u></b> Structural Engineer – Projects include the design of a bridge spot replacement of off-system bridges. The design is in accordance with the Federal Aid Off-System Highway Bridge Program. Mr. Venkata’s tasks include preparation of Structural general notes, Bridge general plan, Foundation layout, Pile data tables and preparing abstract of bridge quantities. Mr. Venkata is also responsible for the design of deck and pile bents when the LADOTD standard bridge plans are not applicable due to site specific conditions like phased construction requirement.		

08/20-05/25	<p><b><u>LADOTD S.P. NO. H.013897 / I-10 &amp; I-12 COLLEGE DR FLYOVER RAMP DESIGN-BUILD: East Baton Rouge Parish, LA. Primary Bridge Engineer</u></b> - Mr. Venkata was the Primary Bridge Engineer for the I-10 &amp; I-12 College Dr. Flyover Design-Build Project. He designed and supervised the design of concrete girder spans for the Flyover and concrete decks for both the Flyover and Ward Creek Bridge. Additionally, Mr. Venkata designed and supervised plan development for all Substructures and Median Barriers on the project. He also performed structural design calculations checking and was responsible for the development of structural plans for cast-in-place Retaining Walls at both the west and east ends of the I-10 Flyover Bridge over I-12. These walls include both supported and inverted T-walls and ground supported inverted T-walls with wall height varying from 4 feet to 18.50 feet. Mr. Venkata was also responsible for the structural design and plan development of Moment slab at the Mechanically Stabilized Earth (MSE) walls to support the barrier railing. All the structural designs were performed in accordance with AASHTO LRFD Bridge Design Specifications, 8th Ed., 2017 and LADOTD specifications. Mr. Venkata also reviewed shop drawings for the MSE walls. Currently, he is working on developing plans for the phased replacement of deck joints on the Ward Creek Bridge, to ensure maintenance of 5 lanes of traffic on I-10 westbound. Mr. Venkata also analyzed and designed the median barriers to support structure mount low mast poles. He also designed Drilled Shaft foundations for ground mount high and low mast pole support and Mr. Venkata also reviewed shop drawings and design calculations submittals for the pole, anchor bolts and base plates.</p>
10/20-PRESENT	<p><b><u>LADOTD S.P. NO. H.004100 / I-10: LA 415 TO ESSEN LANE ON I-10 AND I-12: Baton Rouge, LA. Structural Engineer</u></b> - Mr. Venkata performed structural design calculation checking and also responsible for the development of structural plans for cast-in-place Retaining Walls at both the west and east ends of the I-10 City Park Lake bridge in accordance with AASHTO LRFD Bridge Design Specifications, 9th Ed., 2020 and LADOTD specifications. These walls include both shafts supported inverted T-walls and ground supported inverted T-walls with wall height up to 20.0 feet as part of EWP 3R package. Mr. Venkata is also involved in the structural design and plan development of other cast-in-place Retaining Walls, Sheet pile walls and Drilled shaft walls that are included in Segment 1 package which is nearing 90% final plan stage. Mr. Venkata was also responsible for the structural design and plan development of Moment slab at the Mechanically Stabilized Earth (MSE) wall to support the barrier railing in accordance with AASHTO LRFD Bridge Design Specifications, 9th Ed., 2020 and LADOTD specifications.</p>
04/19-12/21	<p><b><u>EBR CITY-PARISH, CHEVELLE DRIVE AND SARASOTA DRIVE BRIDGE REPLACEMENTS: Baton Rouge, LA. Structural Engineer</u></b> - This project included the replacement of the existing Chevelle Drive Bridge over the West Fork of the North Branch of Ward Creek with a 4-span 80-foot-long slab span bridge and the existing Sarasota Drive bridge over Engineers Depot Canal with a 5-span 105-foot long (20', 20', 25', 20', 20') slab span bridge. Both bridges have pedestrian walks &amp; are located in Baton Rouge, Louisiana. Mr. Venkata performed the final design calculations &amp; plan preparation for both bridges in accordance with AASHTO LRFD Bridge Design Specifications, the AASHTO Manual for Bridge Evaluation, &amp; the LADOTD Bridge Design Manual. (H.013542)</p>
09/20-Present	<p><b><u>EBR CITY-PARISH, BLUEBONNET BLVD. (PERKINS TO PICARDY): Baton Rouge, LA. Bridge Design</u></b> - GEC is designing the widening of Bluebonnet Blvd. to include an additional lane in each direction. Mr. Venkata performed QC checks on bridge rating calculations to determine whether the bridge should be widened or replaced in accordance with Part 1, Chapter 6 of the LADOTD BDEM and AASHTO Manual of Bridge Evaluation. Based on the load rating, it was recommended that the existing bridge be replaced. Mr. Venkata performed the feasibility review of phased construction of the new replacement bridge, maintaining two lanes of traffic in each direction during all phases of construction. He developed a new widened bridge layout plan with 3-phases of construction. (CITY-PARISH PROJECT NO. 19-CP-HC-0034)</p>



**Staff Experience: Urban Systems, Inc.**



Firm employed by				
Name	<b>Alison C. Michel, P.E., PTOE, PTP, RSP2i</b>	Years of relevant experience with this employer	<b>24</b>	
Title	<b>President/Transportation Engineer</b>	Years of relevant experience with other employer(s)	<b>2</b>	
Degree(s) / Years / Specialization	<b>BS / 1997 / Civil Engineering</b>			
Active registration number / state / expiration date	<b>30261 / Louisiana / 03/31/2027</b> <b>1023 / Louisiana / 11/06/2026- Professional Traffic Operations Engineering</b> <b>626/ 11/20/2026- Professional Transportation Planner</b> <b>148/ 03/20/2026 - Road Safety Professional 2i</b>			
Year registered	<b>2002</b>	Discipline	<b>Professional Engineer: Civil Engineering</b>	
Contract role(s) / brief description of responsibilities	<b>Professional In Charge of Traffic Engineering Tasks/ QA-QC</b>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<i>26 years of experience</i>	Ms. Michel is a leading expert in Traffic Engineering and Transportation Planning. Ms. Michel has a wide array of experience with transportation studies including traffic impact, safety, corridor, feasibility/Stage 0, environmental/Stage 1, multi-modal and transit facilities. 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), Tru-Traffic and SIDRA. She 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, for point repairs and for roadway reconstruction.			
<b>05/13-03/14</b>	<b><u>Old Hammond Highway (LA 426) Segment 1</u></b> Ms. Michel managed the team that prepared the traffic engineering design study to develop conceptual alternatives for the intersection of Old Hammond Highway (LA 426) at South Flannery Road. The original study included analysis for widening of Old Hammond Hwy with signalization and warranted turn lanes. The corridor limits were expanded to include 10 intersections and approximately 30 driveways from Boulevard de Province to Millerville. The study included data collection, existing and projected traffic volume forecasting, capacity analyses using Synchro and SIDRA, identifying alternatives and safety analyses. Ms. Michel performed QA/QC of the analysis and technical report which concluded that the intersection should be converted to a multi-lane roundabout.			
<b>01/14-08/19</b>	<b><u>US 90 (I-49 South) Albertson’s Parkway to Ambassador Caffery Design-Build Project, Lafayette Parish, LA (LADOTD)</u></b> Ms. Michel was a member of the key personnel for this design-build project as the Traffic Engineer. The project included converting US 90 to a controlled access facility by converting at-grade intersections to an interchange in Lafayette, LA. The bridge structure had to span the intersection and a railroad. She 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.
<b>01/06-06/07</b>	<p><b><u>Intersection Improvements Livingston &amp; St. John Parishes</u></b></p> <p>Ms. Michel was project manager for intersection signal design for intersections on US 190, LA 3282 and LA 1030, where signalization was added or modified. A left turn lane was added to the eastbound approach of LA 64 and the westbound approach of LA 1026. A left turn lane was added on the eastbound LA 44 approach and separate right turn lanes on the LA 44 westbound and LA 3223 southbound approach. The signage and striping were designed by Ms. Michel to incorporate the added lanes.</p>
<b>10/10- current</b>	<p><b><u>Pecue Lane / I-10 Interchange Environmental Assessment</u></b></p> <p>Ms. Michel was the Principal in Charge for the Traffic Engineering tasks as a sub-consultant for the Pecue Lane / I-10 Interchange project. She managed the staff, communicated with clients and performed the technical QA/QC for each phase. The phases included preparing a traffic study for the <i>Stage 1 Environmental Assessment</i>, updating the <i>Interchange Justification Report</i> for submittal to FHWA, preparing a Transportation Management Plan, and designing traffic signals using the LADOTD TSI format. At the time of the design, this was to be Louisiana's first Diverging Diamond Interchange (DDI). Ms. Michel worked closely with DOTD and Baton Rouge City-Parish to develop signal phasing and timing for the DDI using Highway Capacity Software and VISSIM. The design of the signal at the intersection of Pecue Ln at Rieger Rd was also reviewed by Ms. Michel. Her familiarity with Highway Capacity Software, Transcad, CORSIM and VISSIM was critically important during the various phases of the project. Ms. Michel reviewed the construction cost estimates for each signal. The last phase of this project, construction administration, is ongoing.</p>
<b>04/10-08/11</b>	<p><b><u>LA 447 and I-12 Interchange Stage 0 Feasibility Study</u></b></p> <p>Ms. Michel was the supervising engineer of the team performing a traffic study for the Stage 0 Feasibility study of the LA 447 / I-12 Interchange. Roundabouts were considered for the two I-12 ramp intersections on LA 447 and at the intersection of Pendarvis Lane/Vera McGowan. For these intersections, data collection and analyses were conducted in accordance with the LADOTD EDSM. The traffic study included data acquisition, trip generation, traffic analyses, forecasting using TransCAD and crash data review. The roundabouts have since been designed by others and constructed.</p>
<b>09/13-05/14</b>	<p><b><u>US 11 Stage 0 and Access Management and Complete Street</u></b></p> <p>This project was facilitated by the New Orleans Regional Planning Commission for LADOTD and the City of Slidell. Ms. Michel was the project manager responsible for coordinating between the agencies as well as overseeing the technical aspects of the project. The project alternatives were developed to meet LADOTD EDSMs on access management and their Complete Streets Policy. The study included consideration of a Road Diet and Roundabouts. Conflict points were compared among the alternatives. Ms. Michel attended stakeholder meetings and conducted QA/QC.</p>
<b>02/20- hold</b>	<p><b><u>LA 23: Belle Chasse Bridge &amp; Tunnel</u></b></p> <p>Ms. Michel is managing USI's tasks for Owner Verification services focused on reviewing design plans for traffic related submittals from the design-builder. These submittals included capacity analysis, plans for traffic signals, signage and striping. Ms. Michel conducted Quality Assurance/Quality Control reviews to confirm adherence with LADOTD standards and the Manual of Uniform Traffic Control. During the construction, Ms. Michel may provide support by reviewing Traffic Control Devices Plans for proposed lane closures, detours and advanced warning signage in Plaquemines Parish, LA .</p>

Firm employed by				
Name	<b>Nicole Stewart, P.E., PTOE</b>	Years of relevant experience with this employer	<b>20</b>	
Title	<b>Vice President / Transportation Engineer</b>	Years of relevant experience with other employer(s)	<b>1.5</b>	
Degree(s) / Years / Specialization		<b>BS / 2004 / Civil Engineering</b>		
Active registration number / state / expiration date		<b>30261 / Louisiana / 03/31/2027; 2923 / Louisiana / 08/14/2027- Professional Traffic Operations Engineering</b>		
Year registered	<b>2009</b>	Discipline	<b>Professional Engineer: Civil Engineering</b>	
Contract role(s) / brief description of responsibilities		<b>Traffic Engineer/Design Analysis and QA/QC</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<i>26 years of experience</i>	Ms. Stewart offers broad expertise in Traffic and Transportation Engineering and is a certified Traffic Control Design Specialist. Ms. Stewart has extensive experience in preparing Transportation Management Plans and site-specific traffic control devices plans for every possible environment. This includes closing downtown streets with bike lanes and sidewalks, suburban road closures on multilane highways, and rural road closures requiring extensive detours as well as ramp and interstate closures, both intermittent and long term. She has experience in signal design and timing of coordinated systems for LADOTD which included developing a system engineering analysis for a new fiber optic communication network. She has experience using Highway Capacity Software (HCS), Synchro, and SIDRA. While her role in this contract will be Traffic Engineering, her experience preparing road widening and full reconstruction plans for LADOTD project will allow seamless integration with the prime’s road design plans.			
<b>03/01-04/09</b>	<b><u>Ryan Street at Prien Lake Road Intersection Improvements</u></b> Ms. Stewart prepared the <b>design plans</b> for roadway modifications and traffic signal upgrade in Lake Charles, LA. The turn lanes on both Ryan Street and <b>Prien Lake Road</b> had to be designed within limited Right of Way. Modifications to existing subsurface drainage were included. The construction documents were prepared per LADOTD standards. Ms. Stewart prepared an opinion of probable cost based on LADOTD pay items. The intersection improvements were successfully constructed.			
<b>11/09-01/10</b>	<b><u>Roundabout Study, St. Tammany Parish, LA</u></b> The project team evaluated converting the intersections of US 190 at Northshore Blvd, LA 59 at Lonesome Rd and LA 59 at Sharp Rd to roundabouts under Ms. Stewart’s direction. Ms. Stewart used SIDRA software to evaluate the existing and projected conditions of each intersection. Ms. Stewart was also responsible for the spot speed studies to determine if there were existing speeding concerns at each intersection. The study concluded with recommendations for roundabout at each location.			
<b>04/2020-11/2023</b>	<b><u>LA 49/Williams Boulevard Corridor Improvements</u></b> In this project to improve the roadway conditions and upgrade pedestrian accommodations, Ms. Stewart was the engineer responsible for the design of three new traffic signals at the intersections of Williams Boulevard at Veterans Memorial Boulevard, 21 <sup>st</sup> Street and 25 <sup>th</sup> Street. Each design included upgrading the traffic signal equipment from span wire to mast arms with actuated audible pedestrian push buttons. As the plans were prepared in the latest TSI format, Ms. Stewart coordinated with LADOTD throughout the plan preparation.			


04/10-08/11	<p><b><u>LA 447 and I-12 Interchange Stage 0 Feasibility Traffic Study</u></b>  This traffic study was conducted by Ms. Stewart along with other team members to develop and analyze seven (7) intersections along LA 447 in the vicinity of the I-12 interchange in Livingston Parish. <b>Roundabouts</b> were considered for three (3) of the intersections. Ms. Stewart managed the data collection efforts that included vehicle and traffic assignments forecasting based on Transcad model output classification, speed, and crash data. Ms. Stewart was responsible for the QA/QC of the traffic analyses using Highway Capacity Software, Plus and SIDRA. The roundabouts have since been designed and constructed by others.</p>
02/20-01/23	<p><b><u>US 190 at Northshore and Camp Villere Roundabouts</u></b>  As the principal in charge, Ms. Stewart was responsible for the Quality Assurance/ Quality Control check of the temporary <b>signal design plans</b> that were required for the complex phasing of roundabout construction. Ms. Stewart also reviewed the preliminary Traffic Control Devices Plans prepared by the prime consultant and provided detailed comments to ensure that the plans conformed to the most recent edition of the MUTCD and the latest LADOTD Traffic Control Details.</p>
05/18-04/19	<p><b><u>TMP for I-10: West of 108 to I-210 Interchange: Rubblize and Overlay</u></b>  As the lead engineer for this <b>Traffic Management Plan</b>, Ms. Stewart was responsible for the preparation of the safety analysis. She conducted the analysis per the guidelines set forth by LADOTD in <i>Guidelines for Crash Data Analysis</i> for this TMP in Lake Charles, LA. She conducted queue analysis to identify when lane closures would be permitted, identified the construction impact area and reviewed crash data for more than 350 collisions. Ms. Stewart identified trends and calculated crash rates and determined that the section of <b>I-10</b> that was going to be rubblized had a crash rate that was higher than the statewide average and required mitigation.</p>
10/23-04/24	<p><b><u>LA 73 at LA 429 (Cornerview Rd) ICE Traffic Study</u></b>  Ms. Stewart was the principal in charge of the traffic study to identify the type of control to best manage traffic at the congested intersection of LA 73 at LA 429 In St. John the Baptist Parish. Ms. Stewart reviewed the data to identify peak periods and conducted to identify queues during typical weekday commute times. Ms. Stewart reviewed the Synchro analysis to confirm results matched the delays observed in the field. Ms. Stewart oversaw the preparation of deliverables and was responsible for reviewing the intersection analysis, growth of traffic for the 17 year and feasible improvements identified for future consideration.</p>
4/08 – 11/10	<p><b><u>LA 431 Corridor Stage 0 Traffic Study</u></b>  Ms. Stewart led the efforts as the engineer responsible for the safety analysis in Ascension Parish. The primary focus of the study was to identify the causes of the high number of roadway departures on LA 431 between LA 42 at US 61. Improvements were identified and analyzed for the eight major intersections within the study area. After conducting a review of detailed accident reports, conducting speed studies and intersection analysis, recommendations included converting the LA 431 at LA 42 intersection to a roundabout and installing lighting to reduce nighttime collisions. The roundabout was successfully constructed.</p>

Firm employed by				
Name	<b>Christine M. Darrah, P.E.</b>	Years of relevant experience with this employer	<b>10</b>	
Title	<b>Transportation Engineer</b>	Years of relevant experience with other employer(s)	<b>20</b>	
Degree(s) / Years / Specialization		<b>BS / 1997 / Civil Engineering</b>		
Active registration number / state / expiration date		<b>25828 / Louisiana / 09/30/2025</b>		
Year registered	<b>1999</b>	Discipline	<b>Professional Engineer: Civil Engineering</b>	
Contract role(s) / brief description of responsibilities		<b>Traffic Management Plan and Design Analysis Support</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<i>30 years of experience</i>	Ms. Darrah has experience in Transportation/Civil Engineering including maintenance of traffic, roadway design plans and specifications, construction management and quality control. She is proficient in the use of AutoCAD, Adobe Illustrator, and Highway Capacity Software (HCS). She also has experience using MicroStation and TransCAD. She has experience developing temporary striping and signage plans for various conditions including lane closures, road closures, flagging operations and full detour plans. Ms. Darrah has prepared traffic signal design plans in LADOTD format. She has been involved in Operational Analysis, Data Collection, Safety Studies, Crash Data Analysis, and Bike/ Pedestrian accommodations. Her many years and wide variety of experiences are valuable during studies, design development and QA/QC.			
<b>11/20-02/23</b>	<b><u>US 190 at Northshore and Camp Villere Roundabouts</u></b> As project engineer, Ms. Darrah oversaw the design of permanent striping & signage plans per LADOTD standards and specifications. She also designed temporary traffic signals that would be required during the multiple phases of roundabout construction. A Level 2 Traffic Management Plan (TMP) was also prepared. Ms. Darrah coordinated with the prime-consultant, St Tammany Parish, and LADOTD as needed.			
<b>09/15- ongoing</b>	<b><u>Picardy-Perkins Traffic Signal</u></b> Ms. Darrah was the design engineer for two (2) traffic signals for the Picardy-Perkins Connector Project. In this role she worked closely with the prime consultant, LADOTD, and East Baton Rouge Parish to design the traffic signal operation and identify locations for signal equipment. Signal requirements included video detection, pedestrian accommodations, and advanced warning due to limited sight distance at the railroad underpass. The plan preparation required coordination with both East Baton Rouge City-Parish and LADOTD.			
<b>10/10-09/15</b>	<b><u>Pecue Lane / I-10 Interchange Signal Design</u></b> Ms. Darrah assisted with design and QA/QC for the Pecue Lane / I-10 Interchange traffic signals for the diverging diamond and the signal at the intersection of Pecue Lane at Reiger Road. The signal plans were prepared on the latest LADOTD TSI format. The interstate ramp terminal intersection signals were designed per LADOTD standards and the Reiger Road signal was designed per East Baton Rouge Parish standards. This required close attention to detail given the different equipment requirements and coordination to obtain pay item numbers for East Baton Rouge signal specifications. She reviewed the opinion of probable cost.			



Firm employed by					
Name	<b>Matthew H. Morgan, P.E., PTOE</b>	Years of relevant experience with this employer	<b>12</b>		
Title	<b>Transportation Engineer</b>	Years of relevant experience with other employer(s)	<b>0</b>		
Degree(s) / Years / Specialization		<b>BS / 2009 / Civil Engineering</b>			
Active registration number / state / expiration date		<b>47060 / Louisiana / 03/31/2027</b> <b>5893 / 3/19/2028 – Professional Traffic Operations Engineer</b>			
Year registered	<b>2022</b>	Discipline	<b>Professional Engineer: Civil Engineering</b>		
Contract role(s) / brief description of responsibilities		<b>Data Collection and Design Analysis Support</b>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
<i>12 years of experience</i>	Mr. Morgan has experience with Traffic Engineering/ Transportation planning projects that ranges from starting as a Data Collection Manager while in college to an E.I and a P.E. and now a PTOE. He has collected and delivered volume, class, and speed data to project managers using road tube equipment and camera systems. Mr. Morgan 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. Mr. Morgan’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. Morgan’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.				
<b>09/22-03/24</b>	<b><u>Greenwell Springs at Morgan Rd</u></b> The objective of the preliminary assessment was to evaluate the feasibility of converting the intersection of Greenwell Springs at Morgan Road, in East Baton Rouge Parish into a <b>roundabout</b> . Mr. Morgan coordinated to obtain the collection of 48-hour vehicular turning movement count data. Mr. Morgan reviewed the data and selected peak hours for analysis. He also used the data along with LADOTD historical traffic data to calculate D, K, and T factors and 2022/2042 ADTs for the study roadways. Mr. Morgan used SIDRA traffic analysis software to analyze the intersection as an unsignalized, signalized, and roundabout intersection. He reviewed the reported crashes from the <b>LADOTD</b> database near the intersection for the years 2019-2021 and developed crash rates for comparison to statewide averages.				
<b>03/16-08/18</b>	<b><u>Future I-49 South Study (Raceland to Westbank Expressway), Stage 1</u></b> The study area spanned US 90 from Raceland to Westbank Expressway. Mr. Morgan led the data collection effort which included traffic volume collection, speed studies, and vehicle classification. He performed site investigations and assisted project engineers with development of figures and tables to present the data. He utilized LADOTD’s resources and tools during the study phase for analysis of existing conditions.				

03/16-12/19	<p><b><u>I-10/Loyola Interchange Improvement</u></b>  Mr. Morgan 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. Mr. Morgan 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. Mr. Morgan's role included supporting VISSIM base model creation and calibration. He also participated in creating models for the identified potential improvement alternatives, MOE generation and comparison, conflict point analysis, and report development.</p>
07/22-05/24	<p><b><u>LA 3127 Widening</u></b>  This traffic study to analyze the impact of <b>widening</b> the LA 3127 corridor in St. James Parish, LA from LA 3213 to LA 20 to a four-lane divided highway is being conducted following the LADOTD Traffic Engineering Process and Report (TEPR) guidelines. Mr. Morgan conducted in-person site observations at study intersections during the critical peaks of traffic to identify queuing, circulation, and driving patterns, as well as any other factors, that impact traffic operations. He coordinated the data collection effort to obtain 7-day, 48-hour and, turning movement counts as well as speed data on the study corridors. Mr. Morgan summarized the traffic data collected, the observations, existing study area conditions, and the projected growth rate for the area in Appendix A, Appendix B, and Chapter 1 format following the TEPR. These and Chapter 2 with Appendices C &amp; D which summarized the Existing Safety Analysis and the Existing Conditions Capacity Analysis have been approved by LADOTD. Ongoing tasks include <b>identifying potential improvements at the intersections</b> of LA 3127, LA 3213 and at LA 20.</p>
10/22- 01/25	<p><b><u>US 190 at LA 433</u></b>  Mr. Morgan conducted in-person site observations at study intersections during the critical peaks of traffic which included identification of queuing, circulation, and driving patterns that could impact traffic operations in St. Tammany Parish. The report and submittals were in accordance with LADOTD's Traffic Engineering Process and Report (TEPR) guidelines. He performed existing and No Build analysis using SIDRA. Mr. Morgan is currently analyzing potential improvements for this Intersection Control Evaluation (ICE) which includes signalized and <b>roundabout</b> alternatives.</p>



**Staff Experience: Civil Design & Construction, Inc.**



Firm employed by			
			
Name	<b>Karla E. Weston, PE</b>	Years of relevant experience with this employer	<b>20</b>
Title	<b>President</b>	Years of relevant experience with other employer(s)	<b>6</b>
Degree(s) / Years / Specialization		<b>Bachelor of Science / 1999 / Civil Engineering</b>	
Active registration number / state / expiration date		<b>31010 / Louisiana / March 31, 2026</b>	
Year registered	<b>2004</b>	Discipline	<b>Civil Engineer</b>
Contract role(s) / brief description of responsibilities		<b>QC/QA</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>Mrs. Weston’s 25 years of experience with LADOTD and other municipal entities on transportation projects provides her the knowledge and ability to oversee the firms’ role as a sub-consultant and ensure the work is completed to LADOTD standards.</b>			
<b>02/16-09/19</b>	<b>H.003047 Pecue Lane/I-10 Interchange, Baton Rouge, LA:</b> Mrs. Weston’s served as Principal-in-Charge for the firm’s role as a sub-consult for the engineering design services of the West Bound on Ramp to I-10, the West Bound Off Ramp from I-10, the extension to Rieger Road and Pecue Lane Extension. She has worked to oversee the firms design, coordinate with the prime consultant and government agencies.		
<b>12/13 – 10/19</b>	<b>H.02960 Gramercy Bridge, St. James Parish, LA:</b> Mrs. Weston served as Principal-in-Charge for the firm’s role as a subconsultant for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project		
<b>02/14 - 02/15</b>	<b>H.010620 I-49 Design Build, Lafayette, LA:</b> Mrs. Weston provided QA/QC review for the Roadway Design Plans on this Design-Build Project for part of the I-49 South Corridor.		
<b>05/13 – 05/14</b>	<b>H.009288.5 LA 1 Railroad Bridge at DOW, WBR Parish, LA:</b> Mrs. Weston served as Principal-in-Charge for the firm’s role as a sub-consult for the engineering design elements of the plans including Hydraulic Analysis and Design, Typical Sections, and Graphical Grades for the project. She has worked to oversee the firms design and coordination with prime consultant team.		
<b>01/06 – 12/12</b>	<b>EBR City/parish Project No. 06-CS-HC-0018, Fairchild-Badley Roadway, EBR Parish, LA:</b> Mrs. Weston served as Principal in Charge for this project that was approx. 1.25 miles in length along Fairchild-Badley Road and also included approximately 600 linear feet of Elm Grove Garden Dr. CD&C designed the upgrade to the existing narrow roadway to a typical section of 2-11’ lands with a 2’ barrier curb and gutter, and a 6’ adjacent sidewalk. This included the design of a new sub-surface drainage system throughout the length of the project as well.		
<b>03/12 – 07/12</b>	<b>H.009104.5 - Sunshine Bridge Phase 2:</b> Ms. Weston served as Project Manager and Engineer for CD&C’s portion of this Bridge Rehab Retainer Contract project which included the Traffic Management plans for the project. CD&C provided the Traffic Control design plans including detour maps of local road network for the repairs and widening to the Sunshine Bridge.		
<b>05/11 – 04/12</b>	<b>Red River – Jackson Street Bridge, Alexandria, LA:</b> Ms. Weston served as Project Manager and Engineer for CD&C’s portion of this Bridge Rehab Retainer Contract project. CD&C provided the Traffic Control design plans including detour maps of local road network for the replacement of the Jackson Street Bridge over the Red River.		



Firm employed by					
Name	<b>Chris Ballard, PLS</b>	Years of relevant experience with this employer	<b>9</b>		
Title	<b>Survey Manager</b>	Years of relevant experience with other employer(s)	<b>19</b>		
Degree(s) / Years / Specialization		<b>BS / 2004 / Biological Science / Southeastern LA University</b>			
Active registration number / state / expiration date		<b>5033 / Louisiana – September 30, 2026</b>			
Year registered	<b>2010</b>	Discipline	<b>Land Surveyor</b>		
Contract role(s) / brief description of responsibilities		<b>Mr. Ballard serves as the Survey Manager for this project. He will work to oversee the project progress stays on schedule, aide in both crew coordination and office production, and provide final QC on the firms' deliverable to the Prime Consultant</b>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
<b>Mr. Burgess has an extensive background in providing topographic surveys for LADOTD in accordance with Location and Survey policies and procedures. He has overseen projects utilizing traditional means and methods of collecting data as well as those that include the use of 3D Terrestrial Scanning.</b>					
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Ballard is the Survey Manager for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>02/23 – 12/23</b>	<b>H.012027.5 - I-20 UPPR:</b> Mr. Ballard is the Survey Manager for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>09/18-01/20</b>	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> Mr. Ballard is the Survey Manager for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415 including work on Tributaries of the Intercoastal Canal. This work included using 3D Scanning for the bridge at I-10 bridge @ LA 415 as well as scanning every 500' for control verification and incorporation of the Mobile Lidar for the I-10 pavement.				
<b>04/17-07/17</b>	<b>H.010006.5-3 LA 58 Petit Caillou Bridge Rehabilitation (Sarah Bridge), Terrebonne Parish, LA:</b> Mr. Ballard is the Survey Manager for this project which included a complete topographic survey, utility coordination, channel cross sections, and the scanning of the existing vertical lift bridge for the design of its repairs/replacement. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning and hydrographic surveying.				
<b>02/19-09/19</b>	<b>Bridge Replacements in East Feliciana Parish, Rural East Feliciana Parish, LA:</b> Mr. Ballard is the Survey Manager for this project for East Feliciana Parish Police Jury. It includes the replacement of 2 bridges which were damaged from flooding and the repairs to many rural roadways throughout the parish. These projects are being funded thru FEMA and all documentation has to be in accordance with FEMA's policies and procedures.				

01/17-12/17	<b>East Baton Rouge Parish Bridges, East Baton Rouge Parish, LA:</b> In 2017, CD&C performed topographic surveys for at least 4 Bridge Replacement Projects throughout East Baton Rouge Parish. Mr. Ballard served as Survey Manager on each of these projects which included cross-sectioning and tracing the channel at each location. These included bridges over Dawson Creek, Claycut Bayou, Copper Mill Bayou, and Cypress Bayou.
10/16-11/16	<b>H.012728.5 LA 443: Tangi River Bridge Replacement, Tangipahoa Parish, LA:</b> Mr. Ballard served as the Project Manager for this Project. Among the duties performed for the project were review of the crew work conditions, review & processing of the survey data, verification, and review of final submittal. CD&C completed a topographic survey which included all utilities with depths, all drainage, all building information including finish floor elevations, and all super/substructure of the bridge over the Tangipahoa River. Additional information regarding the river was located by traditional means upstream and downstream for the engineer's design of the new bridge. To utilize data collection of the failed bridge, 3D Terrestrial Scanning was incorporated in conjunction with traditional means to complete the topographic survey. Due to the nature of the project being an Emergency Bridge replacement all staff worked on this project non-stop until field work was completed in less than 3 weeks.
09/17-09/17	<b>H.012650.5-1 District 62 Bridges, Livingston and Tangipahoa Parishes, LA:</b> Mr. Ballard is the Survey Manager for this project which included 5 bridge sites in District 62. In addition to all of the existing data for the bridge and roadway at each site, each channel was cross-sectioned both upstream and downstream of the bridge. These included bridges over the US 190 Bridge over Gray's creek, 2 bridges on LA 442 both crossing East Hog Branch, LA 1063 over the Natalbany River, and US 51 over Ponchatoula Creek. Several of these bridges, including the US 190 one was surveyed utilizing 3D Terrestrial Scanning.
10/15 - 12/18	<b>H.003184.5 I-10 Texas State Line – East of Coone Gully, Calcasieu Parish, LA:</b> Mr. Ballard served as the Survey Project Manager on this project which is a 6-lane widening of I-10. Duties performed on this project included review of the survey information from crew, verification of project delivery schedule, processing of data and final review of submittal of project. 3D Terrestrial Scanning was used in conjunction with traditional means and methods for the completion of this project.
01/16 - 08/16	<b>H.005733.5 US 190 Superstreet, St. Tammany Parish, LA:</b> Mr. Ballard served as the Survey Project Manager on this project. CD&C provided a complete topo survey & drainage map along with utility coordination for the project. Project duties included processing of data, review of field notes and weeklies, & performing final punch list. This project also included work on the Abita River utilized 3D Terrestrial Scanning for the main route.
10/15 - 01/16	<b>H.011773 Hanks Dr/Landis Drive Pedestrian Improvements, East Baton Rouge Parish, LA:</b> Mr. Ballard served as the Survey Project Manager on this project that included a topographic survey and establishment of the ROW for Hanks Dr. for installation of new sidewalk.
06/11 - 09/13	<b>H.002372 LA 42 Widening and Improvements, Ascension Parish, LA:</b> Mr. Ballard worked as a PLS on this project which included boundary and topography, establishing the existing ROW and acquisition of additional ROW.
07/17 - 12/18	<b>H.010960.5-2, LA 30 Roundabout at Tanger I-10, Ascension Parish, LA:</b> Mr. Ballard served as the Survey Project Manager on this project that includes a complete topo survey, utility coordination and drainage, along with finish floor elevations of all buildings that fall within the survey limits. Project included data collection of the topography via traditional means and methods along with 3D terrestrial scanning.



Firm employed by				
Name	<b>Madison Mills, PLS</b>	Years of relevant experience with this employer	<b>4</b>	
Title	<b>Survey Project Manager</b>	Years of relevant experience with other employer(s)	<b>4</b>	
Degree(s) / Years / Specialization		<b>BS / 2016 / Civil Engineering</b>		
Active registration number / state / expiration date		<b>PLS 5293/LA/ March 31, 2027</b>		
Year registered	<b>11/15/2022</b>	Discipline	<b>Professional Land Surveyor</b>	
Contract role(s) / brief description of responsibilities		<b>Mr. Mills joined CD&amp;C in 2021 as a Land Surveying Intern and has recently been licensed as a Professional Land Surveyor. He serves as a Survey Technician and assistant PM for CD&amp;C working to manage field crews, process field crew data, and finalize deliverables.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Mills served as the Survey Project Manager on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Mills served as the Survey Project Manager on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>09/23 – 12/23</b>	<b>H.015619.5 LA 106:</b> Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015056 - LA 685:</b> Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Mills is the Survey Project Manager on this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>02/23 – 12/23</b>	<b>H.012027.5 I-20 UPPR:</b> Mr. Mills is the Survey Project Manager on this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>08/22 – 02/23</b>	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:</b> Mr. Mills is working as a Survey PM this Louisiana Watershed Initiative project. He has been responsible for managing crews, processing field data, creating punch-lists, working with utilities, and completing the final deliverables to the client. CD&C is a sub-consultant on this project.			



Firm employed by					
Name	<b>Chancey Cothren</b>	Years of relevant experience with this employer	<b>1</b>		
Title	<b>Land Survey Intern</b>	Years of relevant experience with other employer(s)	<b>2</b>		
Degree(s) / Years / Specialization		<b>BS / 2023 / Geomatics</b>			
Active registration number / state / expiration date		<b>Louisiana registered LSI.0000776. / Ex. March 31, 2026</b>			
Year registered	<b>2007</b>	Discipline	<b>Land Surveying Intern</b>		
Contract role(s) / brief description of responsibilities		<b>Mr. Cothren is a Land Surveying Intern. He will help manage field crews, process field crew data, and finalize deliverables.</b>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Cothren served as a Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Cothren served as a Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>6/23 – 8/23</b>	<b>LA-22:</b> Mr. Cothren was on the survey crew that performed the topographic survey along LA-22. This survey was about four miles long and the data was collected using laser scanning, UAV lidar, and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>8/23 – 10/23</b>	<b>I-10 / LA-44:</b> Mr. Cothren was on the survey crew that performed the topographic survey. The survey was just over two miles along I-10 and two miles along LA – 44. Data was collected using lidar and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>11/23 – 12/23</b>	<b>Gause Blvd / EI-10 Service Road:</b> Mr. Cothren was on the survey crew that performed the topographic survey. The survey was just over two miles along EI-10 Service Rd. This project was completed using GPS and Total Station. Project was completed to LADOTD Location and Survey Standards and practices.				
<b>8/22-9/22</b>	<b>USACE: Mississippi river hydrographic survey:</b> Mr. Cothren was on the survey crew that performed hydrographic surveys to locate any submerged obstructions in portions of the river. This project was completed using magnetometers and USV’s.				
<b>8/23</b>	<b>USACE: Mississippi river revetment restoration:</b> Mr. Cothren was on the survey crew that performed the surveys needed to locate how much dirt needed to be removed when shaping the levee for the placement of the new revetments. This Project was completed to Louisiana Survey Standards and practices.				
<b>6/23 – 8/23</b>	<b>LA-22:</b> Mr. Cothren was on the survey crew that performed the topographic survey along LA-22. This survey was about four miles long and the data was collected using laser scanning, UAV lidar, and traditional survey methods. Project was completed to LADOTD Location and Survey Standards and practices.				



Firm employed by



Name	<b>Bradley Jacobs, EI</b>		Years of relevant experience with this employer	<b>3</b>
Title	<b>Survey Technician</b>		Years of relevant experience with other employer(s)	<b>9</b>
Degree(s) / Years / Specialization			<b>BS / 2015 / Civil Engineering</b>	
Active registration number / state / expiration date			<b>No. 0032456 / Louisiana / 09/30/2025</b>	
Year registered	<b>06/08/2015</b>	Discipline	<b>Engineering Intern</b>	
Contract role(s) / brief description of responsibilities			<b>Mr. Jacobs serves as a Survey Technician and will process field crew data and finalize deliverables.</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Jacobs served as the Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Jacobs served as the Survey Technician for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Jacobs is the Survey Technician for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>09/23 – 12/23</b>	<b>H.015619.5 LA 106:</b> Mr. Jacobs is the Survey Technician for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods were used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices			
<b>05/23 – 08/23</b>	<b>H.015056 - LA 685:</b> Mr. Jacobs is the Survey Technician for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Jacobs is the Survey Technician for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>02/23 – 12/23</b>	<b>H.012027.5 - I-20 UPPR:</b> Mr. Jacobs is the Survey Technician for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			

Firm employed by				
Name	<b>Scott Benton</b>	Years of relevant experience with this employer	<b>7</b>	
Title	<b>Survey Project Manager</b>	Years of relevant experience with other employer(s)	<b>5</b>	
Degree(s) / Years / Specialization				
Active registration number / state / expiration date		<b>ATSSA Traffic Control Supervisor, Technician &amp; Flagger</b>		
Year registered	<b>N/A</b>	Discipline	<b>N/A</b>	
Contract role(s) / brief description of responsibilities		<b>Mr. Benton serves as a Survey Project Manager and Senior Technician specializing in 3D Terrestrial Scanning, processing, and extraction.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Benton is the 3D Scanning Technician on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Benton is the 3D Scanning Technician on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Benton is the 3D Scanning Technician on this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015056 - LA 685:</b> Mr. Benton is the 3D Scanning Technician on this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Benton is the 3D Scanning Technician on this project Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>02/23 – 12/23</b>	<b>H.012027.5 - I-20 UPRR:</b> Mr. Benton is the 3D Scanning Technician on this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>10/20 – 01/21</b>	<b>H014302 US 165 Lighting, Monroe, LA:</b> Mr. Benton served as the firm’s lead 3D Scanning Technician on this lighting project. CD&C was a sub-consultant on this project and was responsible for topographic surveying of US 165 south of Monroe for a highway lighting improvement. The topo data for this project was collected both traditionally and with the use of 3D Terrestrial Scanning.			
<b>12/19 – 01/2020</b>	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> Mr. Benton served as a 3D Scanning Technician for this project. CD&C as a sub & is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project, limits to a point just before the approach of the I-10 Bridge & the limits along LA 415.			


Firm employed by						
Name	<b>Jacob Stoehr</b>		Years of relevant experience with this employer	<b>9</b>		
Title	<b>Survey Party Chief</b>		Years of relevant experience with other employer(s)	<b>1.5</b>		
Degree(s) / Years / Specialization			<b>N/A</b>			
Active registration number / state / expiration date			<b>ATSSA Traffic Control Technician, Flagger</b>			
Year registered	<b>N/A</b>		Discipline	<b>N/A</b>		
Contract role(s) / brief description of responsibilities			<b>Mr. Stoehr will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.</b>			
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).					
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Stoehr served as Senior Party Chief on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.					
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Stoehr served as Senior Party Chief on this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.					
<b>02/23 – 12/23</b>	<b>H.012027 I 20: Union Pacific RR Overpass:</b> Mr. Stoehr served as a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic survey beginning and ending 5000 feet beyond either end of the approach slab of the I-20 eastbound and westbound subject bridge structure. Terrestrial Laser Scanning was used on all hard surface areas such as Parking Lots, Roadway and Bridge structures, and Union Pacific Railroad rails.					
<b>09/21 – 03/22</b>	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.					
<b>07/20 – 04/21</b>	<b>H.001352.5 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge, East Baton Rouge Parish:</b> Mr. Stoehr was a Party Chief on this project. CD&C as a sub-consultant on this project was responsible for topographic surveying the LA 67 and LA 19 sites of the Comite River Diversion project. The topographic data for this project was collected traditionally.					
<b>01/18-01/2020</b>	<b>H.004100 I-10: LA 415 to Essen Lane on I-10 and I-12, West and East Baton Rouge, LA:</b> Mr. Stoehr is the Survey Party Chief for this project. CD&C as a sub-consultant on this project is responsible for topographic surveying the portion of I-10 in West Baton Rouge Parish beginning at the start of the project limits to a point just before the approach of the I-10 Bridge and the limits of the project along LA 415.					
<b>07/17-12/2018</b>	<b>H.010960.5-2, LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA:</b> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.					
<b>08/16-01/2018</b>	<b>H.011235 I-49 Verot School Road, Lafayette, LA:</b> Mr. Stoehr served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.					

Firm employed by				
Name	<b>Drennon Humphreys</b>	Years of relevant experience with this employer	<b>4</b>	
Title	<b>Survey Party Chief</b>	Years of relevant experience with other employer(s)	<b>0</b>	
Degree(s) / Years / Specialization		<b>N/A</b>		
Active registration number / state / expiration date		<b>ATSSA Flagger, ATSSA Traffic Control Supervisor</b>		
Year registered	<b>N/A</b>	Discipline	<b>N/A</b>	
Contract role(s) / brief description of responsibilities		<b>Mr. Humphreys will serve as a Survey Party Chief managing a crew to collect topographic data in the field in accordance with LADOTD Location and Survey means and methods.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Humphreys served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Humphreys served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>09/23 – 12/23</b>	<b>H.015619.5 LA 106:</b> Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015056 - LA 685:</b> Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Humphreys served as a Party Chief for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>02/23 – 12/23</b>	<b>H.012027.5 - I-20 UPPR:</b> Mr. Humphreys served as a Party Chief for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.			
<b>08/22 – On-Going</b>	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:</b> Mr. Humphreys is working as a Party Chief on this Louisiana Watershed Initiative project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.			



Firm employed by




Name	<b>Alex Wells</b>	Years of relevant experience with this employer	<b>5</b>
Title	<b>Survey Party Chief</b>	Years of relevant experience with other employer(s)	<b>0</b>
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		ATSSA Flagger, ATSSA Traffic Control Supervisor	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<b>Mr. Wells joined CD&amp;C in 2020 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Wells served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Wells served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Wells served as a Party Chief for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>09/23 – 12/23</b>	<b>H.015619.5 LA 106:</b> Mr. Wells served as a Party Chief for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Wells served as a Party Chief for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>02/23 – 12/23</b>	<b>H.012027.5 - I-20 UPRR:</b> Mr. Wells served as a Party Chief for this project. Topographic Survey for the interstate in North Louisiana. Both traditional means and methods and 3D Scanning were used to collect topographic data for this interstate and overpass improvement project. This project also included coordinate and survey of the Union Pacific Railroad line crossing I-20. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>09/21 – 03/22</b>	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		
<b>08/21 – On-Going</b>	<b>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</b> Mr. Wells served as one of the Survey Party Chiefs on this project by managing a crew in the collecting of topographic data in the field utilizing LADOTD Field Codes.		

Firm employed by			
			
Name	<b>Hunter Smith</b>	Years of relevant experience with this employer	<b>3</b>
Title	<b>Survey Party Chief</b>	Years of relevant experience with other employer(s)	<b>0</b>
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		<b>ATSSA Flagger, ATSSA Traffic Control Supervisor (Completed Jan 2025)</b>	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<b>Mr. Smith joined CD&amp;C in 2022 as a Rodman and has worked his way up to a Party Chief. He will work managing a crew to collect topographic data in accordance with LADOTD code book and standard procedures.</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Smith served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Smith served as a Party Chief for this project. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>12/23 – 05/23</b>	<b>H.012618 LA 347 Drainage Improvements:</b> Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 2 miles of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>09/23 – 12/23</b>	<b>H.015619.5 LA 106:</b> Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 8 miles of roadway. Traditional means and methods was used to collect limited topographic data for this overlay and roadway rehabilitation project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>05/23 – 08/23</b>	<b>H.015056 - LA 685:</b> Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Smith served as an Instrument Man for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>09/21 – 03/22</b>	<b>H.014747 Southern University Ravine Protection, East Baton Rouge Parish:</b> Mr. Smith served as an Instrument Man for this project. He helped in collecting of topographic data in the field utilizing LADOTD Field Codes.		
<b>08/22 – On-Going</b>	<b>4400017091 Louisiana Watershed Initiative Region 5 – Task Order 3:</b> Mr. Smith served as an Instrument Man for this project. He has been responsible for collecting topographic data at various bridge locations that will go into the watershed model for this area. CD&C is a sub-consultant on this project.		



Firm employed by				
Name	<b>Clarence J. Goodspeed</b>	Years of relevant experience with this employer	<b>3</b>	
Title	<b>SUE Manager</b>	Years of relevant experience with other employer(s)	<b>30</b>	
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		<b>Mr. Goodspeed has 30 years' experience in underground utilities. Mr. Goodspeed has been involved in almost every aspect of underground utilities and His knowledge of reading multiple utility companies prints and understand how their systems are installed makes him a great asset to managing CD&amp;C Sue department.</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>12/24 – 04/25</b>	<b>H.014824.5 LA 317 - Wax Lake B:</b> Mr. Goodspeed performed utility coordination for this project. CD&C was a sub-consultant and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.			
<b>10/24 – 01/25</b>	<b>H.015849 US 190 R Cuts @ LA741:</b> Mr. Goodspeed performed utility coordination for this project. CD&C was a sub-consultant and was responsible for a complete topographic survey as well as an existing drainage map. The topographic survey of all utilities included depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits.			
<b>03/23 – 12/23</b>	<b>MSY Campus Wide Sewer Location:</b> Mr. Goodspeed serves as the firms SUE PM for the project. CD&C is performing a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate it's sanitary sewer lines. This project encompasses the entire campus. All sewer manholes and gravity lines as well as sewer force mains are to be located. Verification of pipe size and material is also required. CD&C is providing all SUE appropriate reports and data for this project.			
<b>01/24 – 03/24</b>	<b>RN Nuccio Rd SUE:</b> Mr. Goodspeed served as SUE Manager for the firm's SUE work on this bridge replacement project. CD&C, Inc. provided SUE utility locations with SUE QL- B utility designation. CD&C, Inc. provided all SUE reports and data.			
<b>04/24 – 05/24</b>	<b>BRMA FAA Boring:</b> Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which included boundary plat, and SUE reports, data, and plans.			
<b>03/24 – 08/24</b>	<b>MSY East Apron Expansion:</b> Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project includes the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.			
<b>03/24 – 05/24</b>	<b>MSY Employee Parking:</b> Mr. Goodspeed served as SUE Manager for the firm's SUE work on this project. This project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C's SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.			


02/24 – 05/24	<b>BRMA Radar Decomp:</b> Mr. Goodspeed served as SUE Manager for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 2 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
12/23 – 05/24	<b>BRMA Taxiway F Reconstruction:</b> Mr. Goodspeed served as SUE Manager for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 25 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
05/23 – 06/23	<b>West Broussard @ Duhon SUE:</b> Mr. Goodspeed served as SUE Manager for the firm’s SUE work on for this project. CD&C, Inc. provided SUE QL-A utility designation for approximately 2,000’ of roadway. CD&C, Inc. provided all SUE reports and data.
09/22 – 01/23	<b>BRMA Northwest Aviation Development:</b> Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge.
03/22 – 10/23	<b>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</b> Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
03/22 – 09/22	<b>H.010960.5-2 Roundabouts at LA 182, Lafayette, LA:</b> Mr. Goodspeed serves as the firms SUE PM for the project. He is overseeing and working with CD&C SUE personnel to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
07/23 – On-Going	<b>College Drive (MoveBR):</b> Mr. Goodspeed serves as the firm's SUE Manager for the project. This project includes full topography and utility coordination for approximately 20 acres. He worked in the field to coordinate the collection of all the utility information and location for survey crews to incorporate utility information to a QL-D to QL-B level accuracy. An official SUE submittal was not required for this project. The final submittal is following standards set forth by the City/Parish government for EBR.
10/23 – 10/24	<b>HMGP – FEMA Groom Road Brushy Bayou:</b> Mr. Goodspeed served as the firm's SUE Manager for the project. This project included full SUE submittal for approximately 1 mile of roadway. He worked in the field to coordinate the collection of all the utility information and location for survey crews to collect data and incorporate it for the submittal of QL-B.
05/23 – 06-23	<b>Burbank at Pelican Lakes:</b> Mr. Goodspeed served as the firm's SUE Manager on this intersection improvement project in Baton Rouge. Location of all subsurface utilities were provided to QL-C.
01/23 – 07/23	<b>Pride Port Hudson Road:</b> Mr. Goodspeed served as the firm’s SUE Manager for this project working to provide Utility Coordination and Utility mapping. Mr. Goodspeed worked with the local utility companies to locate their assets as much as possible. In instances where the utilities did not locate, Mr. Goodspeed secured as-built/record drawings and directed SUE field crews for the marking of those particular assets so that a topography survey could be completed. Mr. Goodspeed also served as a QC Check for all the utilities located by the survey crews and SUE Crew.

Firm employed by			
			
Name	<b>Tracey Smith</b>	Years of relevant experience with this employer	<b>3</b>
Title	<b>Utility Coordinator</b>	Years of relevant experience with other employer(s)	<b>24</b>
Degree(s) / Years / Specialization		N/A	
Active registration number / state / expiration date		ATSSA Traffic Control Technician & Flagger	
Year registered	N/A	Discipline	N/A
Contract role(s) / brief description of responsibilities		<b>Mr. Smith has over 24 years' experience in underground utilities. Mr. Smith has worked in the gas field for 3 years and spent 19 years performing various underground utility locations and serving as a supervisor for a number of locate technicians.</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>05/23 – 08/23</b>	<b>H.015056 - LA 685:</b> Mr. Smith served as the SUE Field Chief for this project. Topographic Survey for just over 4,503 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>05/23 – 08/23</b>	<b>H.015058 - LA 14 Business:</b> Mr. Smith served as the SUE Field Chief for this project. Topographic Survey for just over 12,300 feet of roadway. Both traditional means and methods and 3D Scanning were used to collect topographic data for this roadway improvement project. Project was completed to LADOTD Location and Survey Standards and practices.		
<b>03/23 – On-Going</b>	<b>MSY Campus Wide Sewer Location:</b> Mr. Smith serves as the SUE field chief for the project. CD&C is performing a combination of both a QL-B and QL-A for the Louis Armstrong Airport campus to locate its sanitary sewer lines. This project encompasses the entire campus. All sewer manholes and gravity lines as well as sewer force mains are to be located. Verification of pipe size and material is also required. CD&C is providing all SUE appropriate reports and data for this project.		
<b>01/24 – 03/24</b>	<b>RN Nuccio Rd SUE:</b> Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this bridge replacement project. CD&C, Inc. provided SUE utility locations with SUE QL- B utility designation. CD&C, Inc. provided all SUE reports and data.		
<b>04/24 – 05/24</b>	<b>BRMA FAA Boring:</b> Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this project. This project included the coordination of SUE QL-B utility information and boundary survey of over 4 acres. Survey crews collected data to incorporate for the final deliverable which included boundary plat, and SUE reports, data, and plans.		
<b>03/24 – On-Going</b>	<b>MSY East Apron Expansion:</b> Mr. Smith serves as the SUE Field Chief for the firm’s SUE work on this project. This project includes the coordination of SUE QL-B utility information and topographic survey for over 7 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.		
<b>03/24 – 05/24</b>	<b>MSY Employee Parking:</b> Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for approximately 0.5 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.		




02/24 – 05/24	<b>BRMA Radar Decomp:</b> Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 2 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
12/23 – 05/24	<b>BRMA Taxiway F Reconstruction:</b> Mr. Smith served as the SUE Field Chief for the firm’s SUE work on this project. This project included SUE QL- B utility information and topographic survey for over 25 acres. CD&C’s SUE crews marked underground utilities which were picked up by our survey crews to incorporate for the final deliverable. Final deliverables for this project will include topographic survey, as well as SUE reports, data, and plans.
09/22 – 01/23	<b>BRMA Northwest Aviation Development:</b> Mr. Smith served as the SUE Field Chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with standards set forth by City/Parish government for East Baton Rouge.
03/22 – 10/23	<b>H.011833.5 St. Mary Street Sidewalks; Scott, LA:</b> Mr. Smith served as the firms SUE Field Chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
03/22 – 09/22	<b>H.010960.5-2 Roundabouts at LA 182, Lafayette, LA:</b> Mr. Smith served as the SUE Field Chief for the project. He is working in the field to coordinate the collection for all the utility information and location such that survey crews could collect data and incorporate for the submittal up to QLD Level B however an official SUE submittal was not required of this project. Final submittal was in accordance with latest LADOTD Location and Survey standards.
07/23 – On-Going	<b>College Drive (MoveBR):</b> Mr. Smith serves as the SUE Field Chief for the project. This project included full topography and utility coordination for approximately 20 acres. He worked in the field to coordinate the collection of all the utility information and location for survey crews to incorporate utility information to a QLD to QLB level accuracy. An official SUE submittal was not required for this project. The final submittal was following standards set forth by the City/Parish government for EBR.
10/23 – On-Going	<b>HMGP – FEMA Groom Road Brushy Bayou:</b> Mr. Smith serves as the SUE Field Chief for the project. This project included full SUE submittal for approximately 1 mile of roadway. He worked in the field to coordinate the collection of all the utility information and location for survey crews to collect data and incorporate it for the submittal of QLB.
05/23 – 06-23	<b>Burbank at Pelican Lakes:</b> Mr. Smith served as the SUE Field Chief on this intersection improvement project in Baton Rouge. Location of all subsurface utilities were provided to QLD.
01/23 – 07/23	<b>Pride Port Hudson Road:</b> Mr. Smith served as the SUE Field Chief for this project. Mr. Smith worked with the local utility companies. In instances where the utilities were not located, Mr. Smith assisted in securing as-built/record drawings. Mr. Smith marked those assets so that a complete topography survey could be completed.


**Staff Experience: APS Engineering and Testing, LLC.**

Firm employed by			
Name	<b>Sergio Aviles, P.E., M. ASCE</b>	Years of relevant experience with this employer	<b>14</b>
Title	<b>President/Geotechnical Manager</b>	Years of relevant experience with other employer(s)	<b>10</b>
Degree(s) / Years / Specialization		<b>BS Civil Engineering/2001/Geotechnical</b>	
Active registration number / state / expiration date		<b>P.E.0033571/ LA / 03-31-2026, ATSSA Work Zone Traffic Control Technician, Flagger, Water Well Contractor's License</b>	
Year registered	<b>2007</b>	Discipline	<b>Civil</b>
Contract role(s) / brief description of responsibilities		<b>Geotechnical Manager/Designer/Field Crew and Lab Management</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
24 years of experience	Mr. Sergio Aviles, P.E. is the President and Geotechnical Manager of A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirements Nos. 8, 9 and 10. Mr. Aviles 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, Mr. Aviles 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.		
<b>09/19–Ongoing</b>	<b>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12: The Geotechnical Investigation</b> 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. Aviles 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.		
<b>06/20–04/23</b>	<b>Rural Bridge Replacement Initiative Phase I:</b> The scope included geotechnical investigation & design for the replacement of 60 bridge structures along the LA state highway system. <b>Geotechnical Investigation</b> consisted of drilling, laboratory testing, soil classification, & site characterization. Engineering analysis included slope stability analysis (when applicable) & pile capacity analysis for foundations to support the new bridge structures. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations & Design Team, overseeing every phase of the project with hands-on leadership to ensure technical excellence & on-time delivery.		


03/19–05/25	<b>Project No. H.001344 US 190: LA 437 to US 190 BUS:</b> A P S was selected as part of the winning team for the <b>Geotechnical Investigation and Design</b> 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. Mr. Aviles 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	<b>Project No. H.001352.6 and H.002273.5 Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:</b> A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the <b>Geotechnical Investigation and Design</b> for the project. The scope also included testing of subsurface soils, base materials, & concrete placement areas to evaluate compliance with design standards for the proposed roadway & bridge structures. A P S performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Mr. Aviles served as Geotechnical Manager for the Geotechnical Investigations & Design Team, overseeing all phases of exploration, analysis, and reporting.
09/21–05/24	<b>Port Hudson-Pride Road (LA-964 – LA-19)-</b> The scope included <b>Geotechnical Investigation</b> 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. Mr. Aviles 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	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> 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. Mr. Aviles 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	<b>Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.)-</b> 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. Mr. Aviles 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	<b>Holly Drive Bridge Replacement- St. Tammany Parish:</b> The scope included <b>Geotechnical Investigation</b> 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. Mr. Aviles 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				
Name	<b>Sairam Eddanapudi, P.E., M.E.</b>		Years of relevant experience with this employer	<b>14</b>
Title	<b>Chief Geotechnical Engineer</b>		Years of relevant experience with other employer(s)	<b>9</b>
Degree(s) / Years / Specialization		<b>ME/2002/Civil Engineering, BE/1999/Civil Engineering,</b>		
Active registration number / state / expiration date		<b>P.E.0035129/ LA / 03-31-2026</b>		
Year registered	<b>2009</b>	Discipline	<b>Civil</b>	
Contract role(s) / brief description of responsibilities		<b>Chief Geotechnical Engineer/Design Engineer/Laboratory QA Manager</b>		
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
<b>23 years of Experience</b>	<p>Mr. Sairam (Sai) Eddanapudi, P.E. serves as Chief Engineer at A P S Engineering and Testing, LLC, and meets the DOTD Minimum Personnel Requirement Nos. 8, 9 and 10. Mr. Eddanapudi brings 23 years of experience in geotechnical and civil engineering, with specialized expertise in advanced geotechnical laboratory testing, quality control, and personnel training. Mr. Eddanapudi earned his Master of Science in Civil Engineering from Lamar University and a Bachelor of Technology in Civil Engineering from India (1999). At A P S, Mr. Eddanapudi does the Quality Assurance by overseeing all geotechnical laboratory operations, ensuring testing accuracy and compliance with DOTD, ASTM, and AASHTO standards. His responsibilities include training laboratory personnel, managing Geosystems data integration, and overseeing calibration and maintenance of laboratory testing equipment to guarantee reliable results. 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. Mr. Eddanapudi 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. Mr. Eddanapudi’s combination of technical expertise, leadership in laboratory operations, and commitment to quality ensures that A P S delivers accurate, dependable, and timely geotechnical data to support DOTD project success.</p>			
<b>09/19–Ongoing</b>	<p><b>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12: The Geotechnical Investigation</b> 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</p>			


	accuracy, compliance, and reliability of geotechnical data. His leadership ensured conformance with DOT specifications, QA/QC protocols, and schedule adherence.
06/20–04/23	<b>Rural Bridge Replacement Initiative Phase I:</b> The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. <b>Geotechnical Investigation</b> 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. Mr. Eddanapudi 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.
03/19–05/25	<b>Project No. H.001344 US 190: LA 437 to US 190 BUS:</b> A P S was selected with the winning team for the <b>Geotechnical Investigation</b> 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. Mr. Eddanapudi 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	<b>Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:</b> A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the <b>Geotechnical Investigation</b> 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. Mr. Eddanapudi 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.
09/21–05/24	<b>Port Hudson-Pride Road (LA-964 – LA-19)-</b> The scope included <b>Geotechnical Investigation</b> 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. Mr. Eddanapudi 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	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> A P S was selected with the winning team for the <b>Geotechnical Investigation</b> and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Eddanapudi 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	<b>Holly Drive Bridge Replacement- St. Tammany Parish:</b> The scope included <b>Geotechnical Investigation</b> 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. Mr. Eddanapudi 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			
Name	<b>Surendra Pathak, P.E., M.S.</b>	Years of relevant experience with this employer	<b>11</b>
Title	<b>Senior Supervisor Engineer</b>	Years of relevant experience with other employer(s)	<b>10</b>
Degree(s) / Years / Specialization		<b>MSCE/ 2013/ Civil Engineering BE/ 1998/ Civil Engineering</b>	
Active registration number / state / expiration date		<b>P.E.0043487/ LA/ 09-03-2025, ACI Certified Technician, Pile Dynamic Analyzer Proficient Rank, ATSSA Work Zone Traffic Control Supervisor, &amp; Flagger</b>	
Year registered	<b>2019</b>	Discipline	<b>Civil</b>
Contract role(s) / brief description of responsibilities		<b>Senior Supervisor Engineer/Design Engineer/QA-QC Field Testing, PDA testing leader.</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>21 years of experience</b>	<b>Mr. Surendra Pathak</b> serves as <b>Senior Supervisor Engineer</b> at A P S Engineering and Testing, LLC, and meets the <b>DOTD Minimum Personnel Requirement No. 9</b> . Mr. Pathak brings <b>21 years of experience</b> in geotechnical engineering, with specialized expertise in <b>Pile Driving Analyzer (PDA) testing</b> and field quality control. Mr. Pathak holds a <b>Master of Science in Civil Engineering</b> from <b>Mississippi State University (2013)</b> , a second <b>M.S. in Civil Engineering</b> from the <b>Norwegian University of Science and Technology (2007)</b> , and a <b>Bachelor of Engineering in Civil Engineering</b> from <b>Madan Mohan Malaviya University of Technology, India (1998)</b> . His technical experience spans the <b>geotechnical design of roadways, bridges, levees, and T-walls</b> , as well as the design and analysis of <b>shallow and deep foundation systems</b> . In the field, Mr. Pathak has directed and performed <b>quality control inspections</b> for auger cast piles, drilled shafts, soil, and concrete testing, and <b>Pile Driving Analyzer (PDA) testing operations for driven pile testing</b> , including data collection, real-time analysis, and coordination with project engineers to establish pile driving criteria. As a senior field leader at A P S, Mr. Pathak ensures that <b>all foundation testing and construction activities meet DOTD specifications</b> , applying both his technical expertise and on-site leadership to support successful project delivery.		
<b>09/19–Ongoing</b>	<b>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:</b> 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 & 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing, Shelby tube sampling, & split-spoon recovery to obtain representative soil profiles. Laboratory testing included approximately 1,000 tests, including Unconsolidated Undrained Triaxial Compression tests for shear strength evaluation & Atterberg Limits for plasticity classification, in accordance with ASTM standards. Pile foundation performance was assessed through dynamic testing services, including Pile Driving Analyzer instrumentation and signal matching via CAPWAP analysis. Tests provided real-time data on pile capacity, drivability, & soil-pile interaction, supporting axial load design and installation recommendations. Mr. Pathak serves as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, & acted as Team Leader for Pile Dynamic Analyzer.		

06/20–04/23	<b>Rural Bridge Replacement Initiative Phase I:</b> The scope included geotechnical investigation & design for the replacement of 60 bridge structures along the LA state highway system. <b>Geotechnical Investigation</b> consisted of drilling, laboratory testing, soil classification, & site characterization. Engineering analysis included slope stability analysis (when applicable) & pile capacity analysis for foundations to support the new bridge structures. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.
03/19–05/25	<b>Project No. H.001344 US 190: LA 437 to US 190 BUS:</b> A P S was selected as part of the winning team for the <b>Geotechnical Investigation</b> 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. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
01/22–05/24	<b>Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge:</b> A P S was selected as part of the winning team for the Design of the Diversion CMAR project. A P S performed the <b>Geotechnical Investigation</b> 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. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
09/21–05/24	<b>Port Hudson-Pride Road (LA-964 – LA-19)-</b> The scope included <b>Geotechnical Investigation</b> 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. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.
11/19–12/23	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> A P S was selected as part of the winning team for the <b>Geotechnical Investigation</b> and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.
03/15–04/15	<b>Holly Drive Bridge Replacement- St. Tammany Parish:</b> The scope included <b>Geotechnical Investigation</b> 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. Mr. Pathak served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise, and acted as Team Leader for Pile Dynamic Analyzer (PDA) testing and analysis.

Firm employed by			
Name	<b>Amanda Linton</b>	Years of relevant experience with this employer	<b>6</b>
Title	<b>Laboratory Manager</b>	Years of relevant experience with other employer(s)	<b>2</b>
Degree(s) / Years / Specialization		<b>BS/2016/Biology</b>	
Active registration number / state / expiration date		<b>NICET III Equivalent ASTM approved Exams Certified by AASHTO /11-20-2026</b>	
Year registered	<b>N/A</b>	Discipline	<b>N/A</b>
Contract role(s) / brief description of responsibilities		<b>Laboratory Manager – Responsible for overseeing and coordinating all testing activities during the laboratory phase of each project, ensuring that procedures are conducted in strict accordance with applicable ASTM, AASHTO, and project specifications.</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>Eight (8) years of experience</b>	<p><b>Ms. Linton</b> serves as the <b>Laboratory Manager</b> for A P S Engineering and Testing, LLC’s <b>AASHTO, LDEQ, and USACE-accredited</b> Baton Rouge laboratory, operating under the direction of a Registered Professional Engineer and meets the <b>DOTD Minimum Personnel Requirement No. 10</b>. With an exceptional depth of practical knowledge and leadership in geotechnical laboratory operations, Ms. Linton oversees <b>all day-to-day laboratory functions</b>, ensuring every test meets or exceeds strict DOTD, ASTM, AASHTO, and USACE quality standards. In her role, Ms. Linton <b>supervises and manages a team of five full-time laboratory technicians</b>, each holding <b>NICET III Equivalent ASTM–Approved Exams Certification by AASHTO</b>. Ms. Linton is directly responsible for <b>training, mentoring, and developing laboratory personnel</b>, cultivating a highly skilled and quality-driven testing team. Her expertise extends to <b>organizing, scheduling, and prioritizing complex testing programs</b> to meet demanding project timelines without compromising accuracy or compliance. Ms. Linton has extensive experience performing and overseeing the full range of <b>soil mechanics laboratory testing</b>, including <b>Soil Classification, Atterberg Limits, Grain Size Analysis, Hydrometer, Consolidation Testing, Organic Matter Content, Moisture Content, Permeability Testing, pH, Resistivity</b> and advanced strength testing methods such as <b>Unconfined Compression (UC), Unconsolidated–Undrained Triaxial (UU), Direct Shear (DS), Consolidated–Undrained Triaxial (CU), and Consolidated–Drained Triaxial (CD)</b>. Ms. Linton meticulous approach to <b>quality control, documentation, and adherence to standardized protocols</b> has been instrumental in maintaining A P S’s impeccable laboratory accreditation record. Known for her ability to troubleshoot technical challenges, implement process improvements, and uphold rigorous testing integrity, Ms. Linton is widely regarded within A P S as an <b>indispensable leader in delivering accurate, defensible geotechnical data</b> to support DOTD projects.</p>		
<b>09/19–Ongoing</b>	<p><b>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12:</b> The <b>Geotechnical Investigation</b> 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 <b>ASTM</b> 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</p>		

	soil-pile interaction, supporting axial load design and installation recommendations. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, and delivering reliable data.
03/19–05/25	<b>Project No. H.001344 US 190: LA 437 to US 190 BUS:</b> -A P S was selected with the winning team for the <b>Geotechnical Investigation</b> 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 <b>ASTM</b> 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. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, and delivering reliable data to support engineering design.
01/22–05/24	<b>Project No. H.001352.6 and H.002273.5:</b> 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 <b>Geotechnical Investigation</b> 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. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, and delivering reliable data to support engineering design.
09/21–05/24	<b>Port Hudson-Pride Road (LA-964 – LA-19)-</b> The scope included <b>Geotechnical Investigation</b> 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. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, and delivering reliable data to support engineering design.
01/22–05/24	<b>Project No. H.001352.6 and H.002273.5:</b> 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 <b>Geotechnical Investigation</b> 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. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, and delivering reliable data to support engineering design.
11/19–12/23	<b>Project No. H.010155: US 90 Railroad Overpass SE of LA 85-</b> A P S was selected with the winning team for the <b>Geotechnical Investigation</b> & 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. Ms. Linton managed all phases of geotech testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, & delivering reliable data.
03/19-05/25	<b>Project No. H.001344 US 190: LA 437 to US 190 BUS:</b> -A P S was selected with the winning team for the <b>Geotechnical Investigation</b> 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 <b>ASTM</b> 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. Ms. Linton managed all phases of geotechnical testing, ensuring strict adherence to <b>AASHTO</b> standards, maintaining quality control, and delivering reliable data to support engineering design.

Firm employed by			
Name	<b>Van George</b>	Years of relevant experience with this employer	<b>10</b>
Title	<b>Senior Driller</b>	Years of relevant experience with other employer(s)	<b>11</b>
Degree(s) / Years / Specialization		<b>High School</b>	
Active registration number / state / expiration date		<b>N/A</b>	
Year registered	<b>N/A</b>	Discipline	<b>N/A</b>
Contract role(s) / brief description of responsibilities		<b>Senior Driller-Drilling Operation Supervisor</b>	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; <i>i.e.</i> , “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
<b>21 years of experience</b>	<p><b>Mr. Van George</b> serves as <b>Lead Driller</b> for A P S Engineering and Testing, LLC and meets the <b>DOTD Minimum Personnel Requirement No. 11</b>. With <b>over 20 years of experience</b> 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 <b>state laws</b>. Mr. George has extensive expertise in a wide range of drilling and sampling techniques, including <b>Shelby Tube sampling, Split Spoon sampling, Electronic Cone Penetrometer Testing (CPT)</b>, and <b>mud rotary drilling</b> for deep and shallow subsurface investigations. He is proficient in the <b>use of piston samplers</b> for soft cohesive soils to recover high-quality undisturbed samples, and <b>pitcher samplers</b> for hard cohesive soils. His CPT experience includes conducting <b>dissipation testing</b> to evaluate pore water pressure dissipation and soil consolidation characteristics. In compliance with <b>Louisiana state grouting requirements</b>, Mr. George ensures proper backfilling and grouting of all boreholes to protect groundwater resources and maintain environmental compliance. He also maintains and manages A P S’s drilling fleet, overseeing <b>rig maintenance, repairs, and equipment readiness</b> to ensure safe and efficient operation. Mr. George prepares <b>complete and accurate field logs and daily activity reports</b> for every project, documenting drilling methods, soil classifications, sample recovery, and site conditions. He coordinates closely with project managers and geotechnical engineers to align field activities with project schedules and technical requirements. Recognized for his ability to troubleshoot difficult site conditions, adapt drilling methods to variable geologies, and lead crews safely and productively, Mr. George plays an essential role in delivering <b>high-quality, reliable subsurface data</b> that forms the foundation for A P S’s geotechnical engineering recommendations.</p>		
<b>09/19–05/25</b>	<p><b>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12: The Geotechnical Investigation</b> 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 <b>ASTM</b> 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 Geotech Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.</p>		

03/19–05/19	<p><b>Project No. H.001344 US 190: LA 437 to US 190 BUS:</b> A P S was selected as part of the winning team for the <b>Geotechnical Investigation</b> 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, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.</p>
11/17-2/18	<p><b>Project No. H.013193: US 61 Thompson Creek Bridge Replacement-</b> A P S was tasked thru our DOTD Geotech retainer for the <b>Geotechnical Investigation</b> 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 Geotech 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 Geotech Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate &amp; efficient data collection.</p>
07/14-08/14	<p><b>Project No. 700-51-0110 US 90 elevated portion for the future I-49 corridor:</b> A P S performed all the preliminary <b>Geotechnical Investigation</b>, drilling, testing, and CPT for US 90 &amp; 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 Geotech Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, &amp; field safety to ensure accurate and efficient data collection.</p>
01/04-05/12	<p><b>Private Jobs:</b> Drilling for warehouses, chemical plants, and private land development projects.  <b>Project No. N/A: Levees (Kenner)</b> – New Orleans, LA: Drill and sample with 5” Shelby tubes, 80’ to 100’ holes.  <b>Project No. N/A: New Orleans East Levee</b> – New Orleans, LA: Drill and sample with 5” Shelby tubes, 80’.</p> <p>As Head Driller for the Geotechnical Field Investigations, Mr. George applied his comprehensive knowledge of drilling operations, subsurface exploration methods, and field safety to ensure accurate and efficient data collection.</p>

**17. Firm Experience: Hartman Engineering, Inc.**

Firm name	<b>HEI</b> Hartman Engineering, Inc. <i>Consulting Engineers</i>		Past Performance Evaluation Discipline(s)*	<b>Road &amp; Traffic</b>
Project name	<b>Acadian Roundabout, Route LA 20 (Canal Blvd.) and Local Routes (Back St., Jackson St., Thompson Pl.)</b>		Firm responsibility (prime or sub?)	<b>PRIME</b>
Project number	<b>SPN H.009320</b> <b>F.A.P. H009320</b>	Owner's name	<b>LADOTD</b>	
Project location	<b>Lafourche Parish, LA</b>	Owner's Project Manager	<b>Tanya Bankston, P.E.</b>	
Owner's address, phone, email	<b>1201 Capital Access Road Room S-614 Baton Rouge, LA 70802</b>		<b>225-379-2522 Tanya.Bankston@la.gov</b>	
Services commenced by this firm (mm/yy)	<b>2015</b>	Total consultant contract cost (\$1,000's)	<b>\$ 590</b>	
Services completed by this firm (mm/yy)	<b>2024</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 386</b>	

**PROJECT DESCRIPTION:**

Design of a traditional shaped dual lane 5-legged roundabout at the intersection of LA 20 and Jackson St. in Thibodeaux, LA. The proposed roundabout shall branch from LA 20 into Canal Blvd. and Jackson St., also connecting Back St. and Thompson Pl. at the east and west approaches. Design will conformed to EDSM V1.11.6.

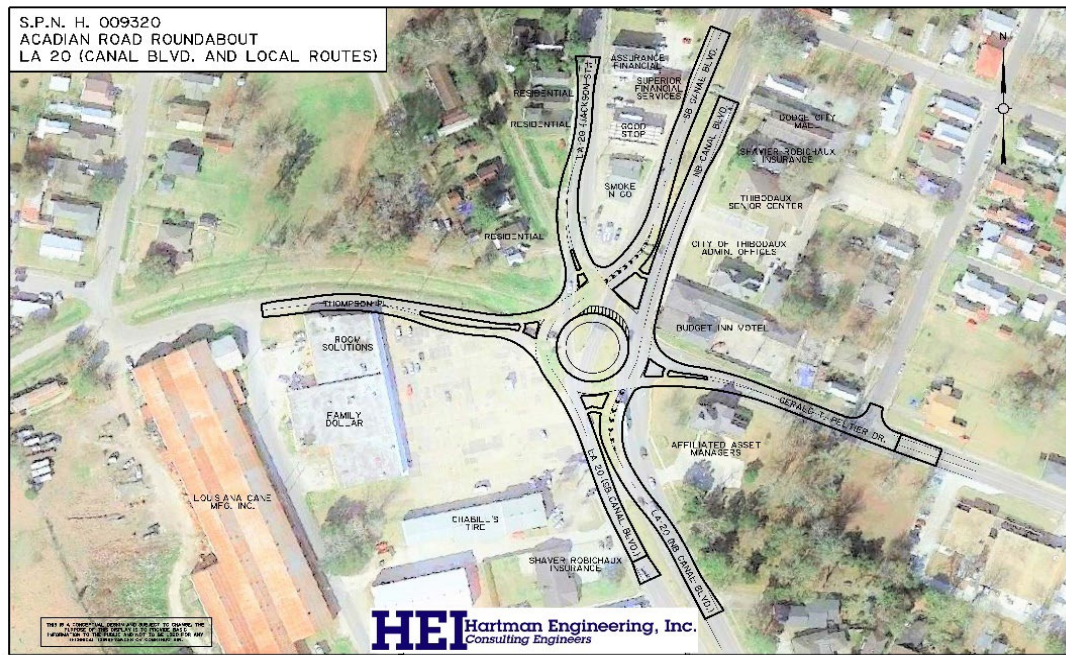
**FIRM'S ROLE**

Project Management, Roadway Design, and Traffic Engineering

**MEMBERS INVOLVED / TO BE USED IN THIS PROPOSAL:**

- Jared B. Monceaux, P.E. (Project Manager)
- Sundararaja C. Rao, P.E. (QC/QA)
- Danielle B. Connelly, P.E. (Lead Engineer)
- Tony R. Tramel, P.E., PTOE (Traffic Engineer)
- Connor D. Guidry, E.I. (Project Engineer)
- Stephen F. Urquhart (CADD)

**PERFORMED IN LA: 100%**



Firm name	<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		Past Performance Evaluation Discipline(s)*	Road
Project name	<b>Intersection Improvements (Veterans Boulevard and Bonnabel Boulevard) PWP No. 2017-028-RBPHEI</b> <small>HEI Project No. 11-014-95</small>		Firm responsibility (prime or sub?)	<b>PRIME</b>
Project number	N/A	Owner's name	<b>Jefferson Parish Dept. of Engineering</b>	
Project location	<b>Jefferson Parish, LA</b>		Owner's Project Manager	<b>Mark Drewes, P.E.</b>
Owner's address, phone, email	<b>1221 Elmwood Park Blvd., Suite 802 Jefferson, LA 70123</b>		<b>504-736-6500 mdrewes@jeffparish.net</b>	
Services commenced by this firm (mm/yy)	<b>03/2021</b>	Total consultant contract cost (\$1,000's)	<b>\$ 256</b>	
Services completed by this firm (mm/yy)	<b>2020</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 256</b>	

**PROJECT DESCRIPTION:**

The project includes adding a single sweeping left turn lane from eastbound Veterans Blvd. to northbound Bonnabel Blvd., adding dual sweeping left turn lanes from westbound Veterans Blvd. to southbound Bonnabel Blvd., relocating the existing northbound Bonnabel Blvd. U-turn 125 feet to the north, and relocating the existing southbound Bonnabel Blvd. U-turn 100 feet to the south. Also, relocate the existing Veterans Boulevard U-turn on the west side of the intersection and add additional landscaping in the median of Veterans Blvd. near Aurora Avenue. A new traffic signal was designed for new turning movements and a future bike path.

**FIRM'S ROLE**

Project Management, Roadway, and Traffic Engineering

**MEMBERS INVOLVED / TO BE USED IN THIS PROPOSAL:**

- Jared B. Monceaux, P.E. (Project Manager)
- Tony R. Tramel, P.E. (Traffic Engineer)
- Danielle B. Connelly, P.E. (Project Engineer)
- Connor D. Guidry, E.I. (Project Engineer)
- Stephen F. Urquhart (CAD)



**PERFORMED IN LA: 100%**



BEFORE



AFTER

Firm name	<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		Past Performance Evaluation Discipline(s)*	<b>Road &amp; Traffic</b>
Project name	<b>Dickory / Hickory Avenue Extension (LA 48 - Mounes), Rt LA 3154</b>		Firm responsibility (prime or sub?)	<b>PRIME</b>
Project number	<b>SPN 700-26-0234 826-44-0027</b>	Owner's name	<b>LADOTD</b>	
Project location	<b>Jefferson Parish, LA</b>	Owner's Project Manager	<b>Li Yang, P.E.</b>	
Owner's address, phone, email	<b>1201 Capital Access Road Room S-614 Baton Rouge, LA 70802</b>	<b>225-379-1456 Li.Yang@la.gov</b>		
Services commenced by this firm (mm/yy)	<b>2000</b>	Total consultant contract cost (\$1,000's)	<b>\$ 541</b>	
Services completed by this firm (mm/yy)	<b>2026 est.</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 10,062</b>	

**PROJECT DESCRIPTION:**

HEI has previously designed (up to 90% Final Plans) through LADOTD and Jefferson Parish the exact route as the advertised project (Dickory, from Hickory Ridge Lane to Jefferson Highway). HEI can provide huge cost savings to the Parish utilizing the previous Road and Drainage Designs, Surveys, and Typical Sections. Another benefit to the Parish would be an accelerated schedule, due to the previous survey and design currently at 90% completion.

Design included performing checks on vertical and horizontal alignment, hydraulic design, quantity computations, coordination between U.S. Army Corps of Engineers Pump to the River project and Entergy's Transmission Towers, and corrections to reflect current 2006 specifications and current bid items.

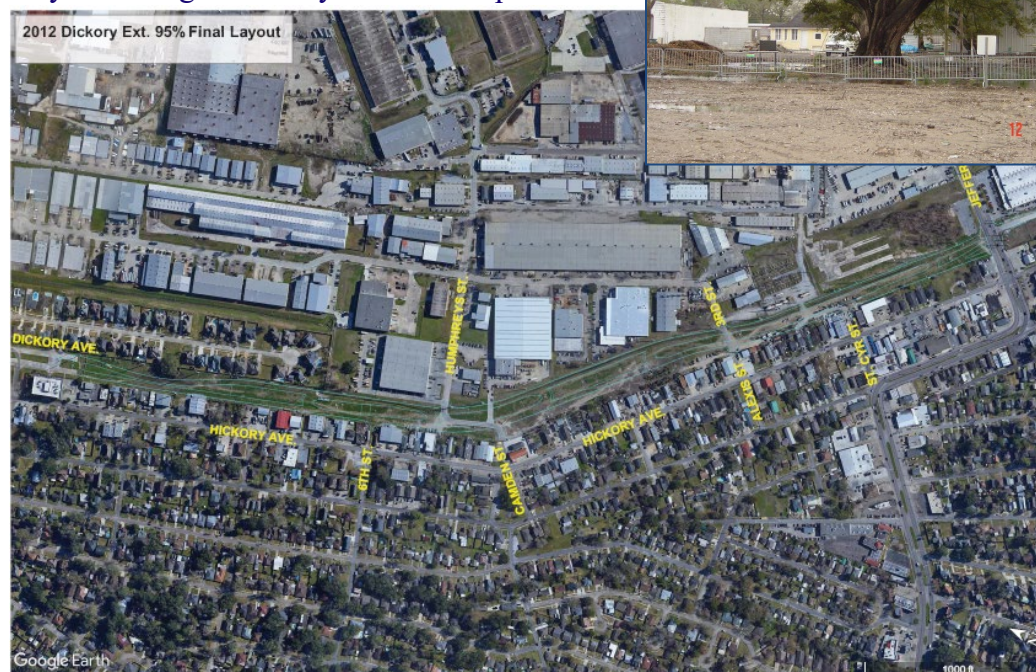
**FIRM'S ROLE**

Project Management, Roadway, and Traffic Engineering

**MEMBERS INVOLVED / TO BE USED IN THIS PROPOSAL:**

- Jared B. Monceaux, P.E. (Project Manager)
- Sundararaja C. Rao, P.E. (QC/QA)
- Danielle B. Connelly, P.E. (Lead Engineer)
- Tony R. Tramel, P.E., PTOE (Traffic Engineer)
- Connor D. Guidry, E.I. (Project Engineer)
- Stephen F. Urquhart (CADD)

**PERFORMED IN LA: 100%**



Firm name	<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		Past Performance Evaluation Discipline(s)*	<b>Road</b>
Project name	<b>Lapalco Blvd. Improvements, (Tanglewood to Victory Drive)</b> HEI Project No. 11-014-53-86		Firm responsibility (prime or sub?)	<b>PRIME</b>
Project number	<b>SPN H.014316</b> <b>DPW No. 97-025-RB</b>	Owner's name	<b>Jefferson Parish Dept. of Capital Projects</b>	
Project location	<b>Jefferson Parish, LA</b>	Owner's Project Manager	<b>Gary Lehmann, P.E.</b>	
Owner's address, phone, email	<b>1221 Elmwood Park Blvd., Suite 904 Jefferson, LA 70123</b>		<b>(504) 736-6779 glehmann@jeffparish.net</b>	
Services commenced by this firm (mm/yy)	<b>2022</b>	Total consultant contract cost (\$1,000's)	<b>\$ 741</b>	
Services completed by this firm (mm/yy)	<b>On Going</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 633</b>	

**PROJECT DESCRIPTION:**

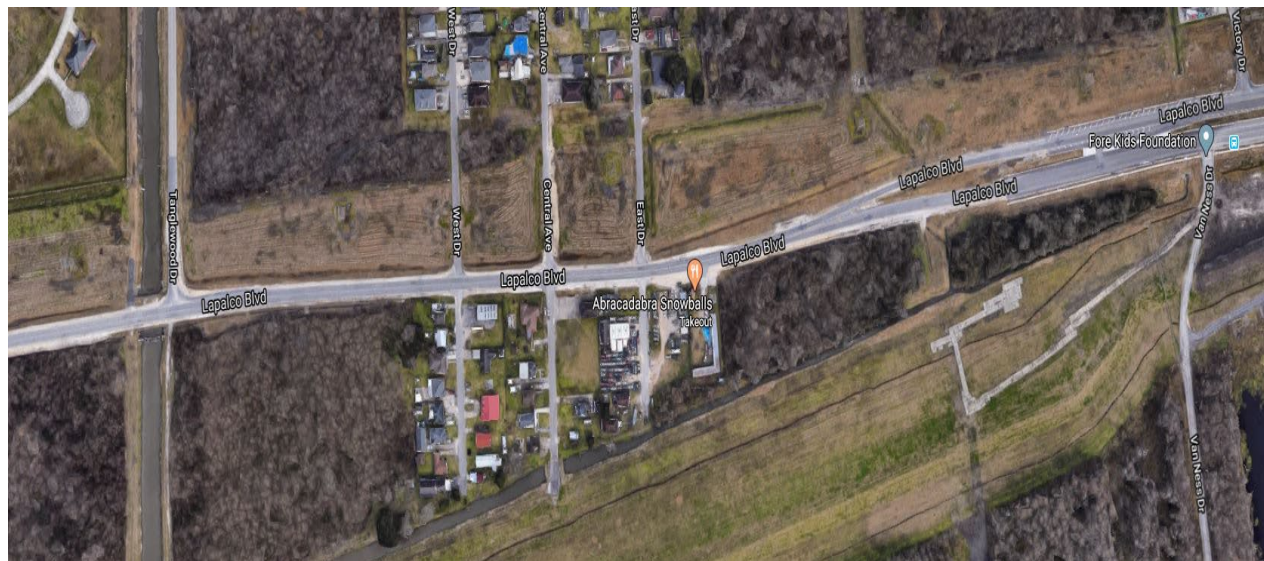
Preliminary and Final construction plans for 0.8 miles of road widening (from 4-6 lanes), drainage improvements, new signalized intersection, wetland, delineation and jurisdictional determination, public outreach and public hearings, regulatory agency coordination, permitting (404 form COE, Coastal Use from LDNR, Water Quality Certification from LDEQ), and wetland mitigation.

**FIRM'S ROLE**

Project Management, Environmental, Roadway, & Traffic Engineering.

**MEMBERS INVOLVED / TO BE USED IN THIS PROPOSAL:**

- Jared B. Monceaux, P.E. (Project Manager)
- Tony R. Tramel, P.E. (Traffic Engineer)
- Rolland A. Mura, P.E. (Environmental Engineer)
- Sundararaja C. Rao, P.E. (QC/QA)
- Danielle B. Connelly, P.E. (Lead Project Engineer)
- Connor D. Guidry, E.I. (Project Engineer)
- Stephen F. Urquhart (CADD)



**PERFORMED IN LA: 100%**



Firm name	<b>HEI</b> Hartman Engineering, Inc. Consulting Engineers		Past Performance Evaluation Discipline(s)*	<b>Road &amp; Traffic</b>
Project name	<b>Intersection Control Evaluation (ICE) for Intersection of Lapalco Boulevard at Tanglewood Drive as Part of Lapalco Boulevard Improvements</b>		Firm responsibility (prime or sub?)	<b>PRIME</b>
Project number	<b>SPN H.014316</b>	Owner's name	<b>Jefferson Parish Dept. of Capital Projects</b>	
Project location	<b>Jefferson Parish, LA</b>		Owner's Project Manager	<b>Gary Lehmann, P.E.</b>
Owner's address, phone, email	<b>1221 Elmwood Park Blvd., Suite 802 Jefferson, LA 70123</b>		<b>(504) 736-6779 glehmann@jeffparish.net</b>	
Services commenced by this firm (mm/yy)	<b>2020</b>	Total consultant contract cost (\$1,000's)	<b>\$ 40</b>	
Services completed by this firm (mm/yy)	<b>2021</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 40</b>	

**PROJECT DESCRIPTION:**

HEI provided and coordinated an Intersection Control Evaluation (ICE) traffic study. The traffic volume during a weekday for Lapalco Boulevard east of Tanglewood Drive was found to be 16,000 vehicles a day. The traffic volume on Tanglewood Drive was projected to be approximately 3,000 vehicles in a 24-hour period. Tanglewood Drive forms a T-type intersection with Lapalco Boulevard and is controlled by a conventional stop sign arrangement. The purpose of this ICE Study is to evaluate the various intersectional control strategies and ascertain which ones might be suitable as it relates to the proposed widening of Lapalco Boulevard at Tanglewood Drive.

**FIRM'S ROLE**


Project Management, Traffic Engineering, & Roadway Design

**MEMBERS INVOLVED / TO BE USED IN THIS PROPOSAL:**

- Jared B. Monceaux, P.E. (Project Manager)
- Danielle B. Connelly, P.E. (Lead Engineer)
- Tony R. Tramel, P.E., PTOE (Traffic Engineer)
- Rolland A. Mura, P.E. (Environmental Engineer)
- Stephen F. Urquhart (CADD)

**PERFORMED IN LA: 100%**

**Firm Experience: G.E.C, Inc.**

Firm name	 Gulf Engineers & Consultants	Past Performance Evaluation Discipline(s)*	** Road, Bridge
Project name	<b>I-10 &amp; I-12 College Dr Flyover Ramp Design-Build</b>		Firm responsibility (prime or sub?) <b>Prime</b>
Project number	<b>H.013897</b>	Owner's name	<b>LADOTD</b>
Project location	<b>East Baton Rouge Parish, Louisiana</b>	Owner's Project Manager	<b>Peggy Jo Paine, PE</b>
Owner's address, phone, email	<b>1201 Capital Access Road, (225) 379-1065 Baton Rouge, LA 70804 peggy.paine@la.gov</b>		
Services commenced by this firm (mm/yy)	<b>08/20</b>	Total consultant contract cost (\$1,000's)	<b>\$ 6,079</b>
Services completed by this firm (mm/yy)	<b>05/25</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 4,025</b>

**PROJECT DESCRIPTION:**


The BOH/GEC Team was selected to provide road/bridge design, environmental, and engineering services for this urban freeway interchange Design-Build contract. GEC implemented an innovative design on new alignment that addressed impacts to surrounding areas that was unforeseen in previous studies and design, which simplified the traffic movement through a reduced footprint versus previous conceptual alternatives. This design further reduced the footprint established by NEPA documentation. The Team's design improves the flow of traffic and safety by improving the I-10/I-12 merge through the elimination of lane changes that must occur when I-10 WB traffic exits at College Drive. Our design achieves this by realigning the two existing I-12 WB through lanes to more closely follow the I-12 EB existing alignment, completely replacing the I-10 WB Overpass Bridge with a new structure at a bridge width which will accommodate both the I-10 WB through lanes and the I-10 WB College exit ramp, and utilizing the existing I-12 WB pavement for the I-12 WB College Drive exit ramp. Improvements to the I-12/I-10 exit lane with College Drive intersection as well.

**GEC'S ROLE:**

GEC provided environmental compliance plans and permitting services, including adhering to and updating NEPA Documentation, environmental mitigation, wetland mitigation, SWPPP, tree impact plan, and permit modification services. GEC also revised the existing network study and conceptual alternatives analysis (line and grade alternatives), ROW acquisition plan, hurricane preparedness and evacuation plan, safety plans, and the Interchange Modification Report (IMR). GEC also provided public/stakeholder outreach and conducted public meetings.

GEC was the task lead for road and bridge design, in addition to design of the new I-10 westbound bridge and rehabilitation plans for the I-12 to I-10 Flyover and Essen Lane overpass. GEC also designed the widening of the I-10 westbound bridge over Ward Creek. This bridge structure is comprised of three 55' long simple spans composed of rolled steel girders with a cast in place concrete deck. GEC's design services included the rehabilitation of the existing bridge and replacement of the deck joints. The project required that 5 lanes of traffic be maintained at all times though this heavily traveled corridor. GEC staff developed the bridge plans to construct the widening and rehabilitation in multiple phases in order to maintain the 5 lanes of traffic. GEC's design of the bridge also accommodates a sound barrier. GEC provided the roadway construction plans for this project and was responsible for the geometric layout for the entire project, ensuring conformance to DOTD and AASHTO standards. GEC provided hydraulic design which included the design of several subsurface drainage systems and cross drains. GEC also performed hydraulic channel analysis to ensure the project did not negatively impact the surrounding areas. An opinion of probable cost for the project was also calculated by the GEC team and provided to the contractor. In addition to bridge and roadway design, GEC completed a photometric report and lighting plans for the design-build project. The lighting design consists of both high mast and low mast lighting. This requires the review of engineering shop drawings and equipment submittals from the electrical contractor. This project also included modifications of the I-10/I-12 exit ramp intersection with College Drive.

**MEMBERS INVOLVED:** Cary Bourgeois, PE, Varaprasad Venkata, PE, Keith Rebello, PhD, PE, Jerome Lohmann, PE, Chris Nipper, PE, Logan Michel, PE

Firm name			Past Performance Evaluation Discipline(s)*	<b>** Road, Bridge</b>	
Project name	<b>I-10: LA 415 to Essen Lane on I-10 and I-12 (CMAR)</b>		Firm responsibility (prime or sub?)	<b>Sub</b>	
Project number	<b>H.004100</b>	Owner's name	<b>LADOTD</b>		
Project location	<b>Lafayette, LA</b>		Owner's Project Manager	<b>Nicholas Olivier</b>	
Owner's address, phone, email	<b>1201 Capital Access Road, Baton Rouge, LA 70804</b>		<b>(225) 379-1133</b>	<b>Nicholas.olivier@la.gov</b>	
Services commenced by this firm (mm/yy)	<b>09/20</b>	Total consultant contract cost (\$1,000's)	<b>\$ 6,079</b>		
Services completed by this firm (mm/yy)	<b>On-Going</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 4,025</b>		

**PROJECT DESCRIPTION:**


As a sub-consultant to Huval, GEC is providing project management, engineering and related design services to develop the construction plans for the Construction Management at Risk (CMAR) project for the improvements to I-10, including frontage roads, through the urban area of Baton Rouge, LA. LADOTD is in the process of widening I-10 from the LA 415 interchange (west side of Mississippi River) to just east of the I-10/I-12 split (east side of the Mississippi River). CMAR Phase 1 of the Project extends from W. of Washington Street to just east of the I-10/I-12 interchange (east side of the Mississippi River). CMAR Phase 2 is the remainder of the corridor from LA 415 to just W. of Washington Street (Lorri Burgess Avenue) (work in this area will exclude the existing Mississippi River Bridge). GEC assisted with the design and development of the Roadway Corridor Preservation (RCP) Plans for Phase 1. GEC is currently providing project management and design services for CMAR Segment 1. GEC is assisting with the project management of this complex project. As the project's primary management partner, GEC is responsible for overseeing a wide range of critical project elements. GEC also leads the crucial effort for NEPA re-evaluations. Recognizing the importance of transparent and proactive public engagement, GEC is also responsible for overseeing the project's public outreach efforts during design.

**GEC'S ROLE:**

GEC's structures and bridge teams are responsible for design of all retaining walls for the four types of retaining walls used on this project: Cast-in-place concrete Inverted T-walls, Mechanically Stabilized Earth (MSE) walls, Sheet Pile walls, and Drilled Shaft walls. The walls are located at both the west and east ends of the I-10 City Park Lake Bridge in accordance with AASHTO LRFD Bridge Design Specifications, 9th Ed., 2020 and LADOTD specifications. These walls will retain earth on both sides of the widened I-10 roadway, as well as earth adjacent to on- and of-ramps servicing I-10. The walls include both shafts supported inverted T-walls and ground supported inverted T-walls with wall height up to 20.0 feet as part of EWP 3R package. GEC is also responsible for the structural design and plan development of Moment slab at the Mechanically Stabilized Earth (MSE) wall to support the barrier railing in accordance with AASHTO LRFD Bridge Design Specifications, 9th Ed., 2020 and LADOTD specifications. The majority of retaining walls on this project are connected to a roadway barrier at the top. Therefore, in addition to being designed to resist active soil lateral pressure and traffic surcharge pressure, these walls are also designed to resist vehicular impact on the barriers. In cases where noise walls are attached to the barriers, wind loads on the noise walls are accounted for in the design. All design is in accordance with AASHTO LRFD Bridge Design Specifications, 9th Ed., 2020. GEC structural staff also designed a two-span truss spanning a future widened I-10 near Dalrymple Drive to support multiple Dynamic Message Signs as part of the ITS portion of this project. GEC is also providing the engineering design for the new bridge at the westbound exit at the Washington Street (Lorri Burgess Avenue) off ramp. GEC electrical staff is designing the roadway lighting for the I-10 improvements and the aesthetic lighting which includes lighting of the new City Park Lake Bridge.

Since this is a CMAR project, the GEC team has engaged in numerous TF meetings discussing design, constructability issues, and ideas for reducing cost and/or schedule. The GEC team is working collaboratively with the other design team members and contractor. The team has been nimble throughout the CMAR process to assist and accommodate vetting ideas, modify designs, and develop strategies to deliver this complex transformative project on schedule for the citizens that live within the corridor, use the interstate for travel to and from work and/or pleasure and travel through Baton Rouge.

**MEMBERS INVOLVED:** Cary Bourgeois, PE, Varaprasad Venkata, PE, Keith Rebello, PhD, PE, Jerome Lohmann, PE, Chris Nipper, PE, Logan Michel, PE

Firm name		Past Performance Evaluation Discipline(s)*	** Road
Project name	US 11 Improvements at Schneider Canal		Firm responsibility (prime or sub?) <b>Prime</b>
Project number	H.011435	Owner's name	St. Tammany Parish Government
Project location	Slidell, Louisiana	Owner's Project Manager	Mike Noto
Owner's address, phone, email	21490 Koop Drive Mandeville, LA 70471 (985) 898-2557		
Services commenced by this firm (mm/yy)	03/15	Total consultant contract cost (\$1,000's)	\$ 442
Services completed by this firm (mm/yy)	08/16	Cost of consultant services provided by this firm (\$1,000's)	\$ 442

**PROJECT DESCRIPTION:**

This project is on US Hwy 11 at its intersection with the St. Tammany Parish flood protection levee near Lake Pontchartrain. The Parish funded the design of the project and LADOTD funded its construction. The plans and specifications were produced by GEC in conformance with LADOTD standards. GEC understood the importance of this project to St. Tammany Parish and, to ensure that the Parish didn't lose Federal funding, GEC submitted final stamped plans to LADOTD for advertisement with the Parish's approval before receiving a signed contract from the Parish.

**GEC'S ROLE:**

The project elevated US 11 at the levee so that ongoing construction of the levee (in separate projects by the Parish) could continue beyond this point without a break in flood protection at the highway. The road section is a divided two-lane raised median with full-width shoulders and curb & gutter drainage. The highway remained on-grade on embankment and was raised approximately 10 feet at the levee. Approximately 2,300 feet of the highway was affected. The project was complicated by the presence of Schneider Canal (approximately 90-100 feet wide) which was directly adjacent and parallel to the levee. GEC redesigned the large triple-barrel box culvert cross drain under US 11 for Schneider Canal from its original 70-foot length to 200-feet. A well-planned 3-phase sequencing plan enabled maintenance of traffic throughout construction. GEC accomplished all aspects of design with its own in-house personnel, excluding geotechnical services. This project included a level 2 Transportation Management Plan (TMP).


GEC completed the construction plans for this project in the summer of 2016. It incorporates an improved curbed road section including a raised median and a bike path. This project was the first project ever designed with LADOTD specifications that included a levee. Low bid for the construction was \$4.9 million and construction of the project was completed in 2018. In addition, the levee, which was part of this project, was completed before the start of hurricane season.

**MEMBERS INVOLVED:** Jerome Lohmann, PE

**PERFORMED 100% LA**



**Firm Experience: Urban Systems, Inc.**

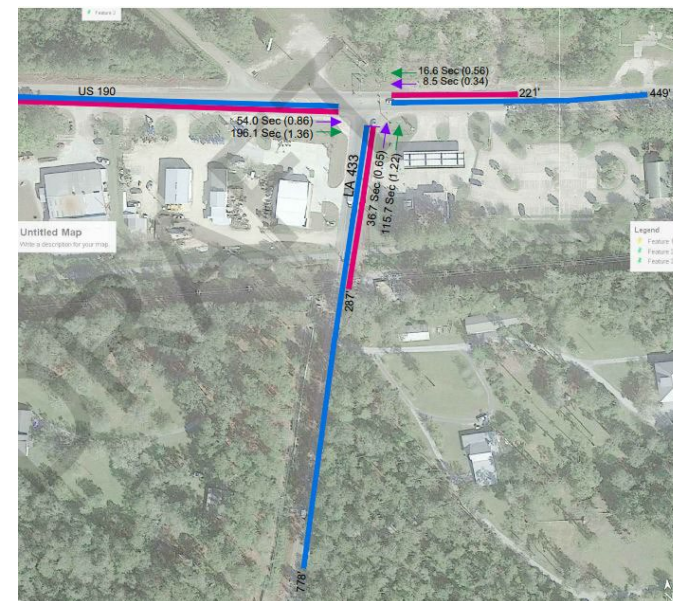
Firm name			Past Performance Evaluation Discipline(s)*	Traffic
Project name	US 190 @ LA 433		Firm responsibility (prime or sub?)	Sub
Project number	No. 20-22070	Owner's name	St. Tammany Parish	
Project location	St. Tammany Parish, LA		Owner's Project Manager	Truman D. Sharp, III
Owner's address, phone, email	21454 Koop Dr. Bldg B, 3 <sup>rd</sup> Floor Mandeville, LA 70471		(985) 898-2552 tdsharp@stpgov.org	
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost (\$1,000's)	\$ N/A	
Services completed by this firm (mm/yy)	08/24	Cost of consultant services provided by this firm (\$1,000's)	\$ 83	

**PROJECT DESCRIPTION:**

The objective of the traffic study is to prepare an update to the previous *US 190 (LA 433 to US 11) Interim Capacity/Widening Improvements Stage 0 Feasibility Study* by Neel-Schaffer dated June, 2014 (NS 2014) to identify the appropriate geometry and intersection control for the intersection of US 190 at LA 433. The study scope was developed based on the LADOTD Traffic Engineering Process and Reporting (TEPR) and St. Tammany Parish guidelines. Urban Systems (USI) staff conducted in-person site observations at study intersections during the critical peaks of traffic which included identification of queuing, circulation, and driving patterns. USI used video camera footage and Genuine Traffic Solutions to collect and process 48-hour, turning movement, and driveway counts.


**URBAN SYSTEM'S ROLE:**

USI staff collected speed data on the study corridors using a handheld radar collection device and conducted windshield surveys of regulatory speed signage. USI reviewed the NS 2014 report and summarized the peak hour selections from that study in Appendix A: Initial Data Collection. The new traffic data collected, observations and existing study area conditions, and projected growth rate were summarized in Appendix B: Final Data Collection. USI utilized LADOTD tools such as Functional Classification maps, historical counts on the study roadways, and guidance on calculating growth rates. USI staff compiled the information into Chapter 1 of Existing Conditions Appendix A (Initial Data Collection) and Appendix B (Final Data Collection) which were approved by LADOTD. Chapter 2, Appendix C (Existing Safety Analysis) & D (Existing and No Build Analysis) were submitted and minor LADOTD Comments were incorporated. On going task include comparing operational conditions for a roundabout versus a signalized intersection using SIDRA software.

**MEMBERS INVOLVED:**

Alison Catarella Michel, Matthew Morgan, Kim Pham

**PERFORMED 100% LA**

Firm name			Past Performance Evaluation Discipline(s)*	Traffic	
Project name	LA 73 @ Cornerview			Firm responsibility (prime or sub?)	Sub
Project number	MA-22-04	Owner's name	Ascension Parish		
Project location	Ascension Parish, LA		Owner's Project Manager	Daniel Helms, P.E.,PTOE,RSP2i	
Owner's address, phone, email	42077 Churchpoint Rd. Gonzales, LA 70737		(225) 450-1320 Daniel.helms@apgov.us		
Services commenced by this firm (mm/yy)	11/22	Total consultant contract cost (\$1,000's)	N/A		
Services completed by this firm (mm/yy)	08/24	Cost of consultant services provided by this firm (\$1,000's)	\$ 55		

**PROJECT DESCRIPTION:**

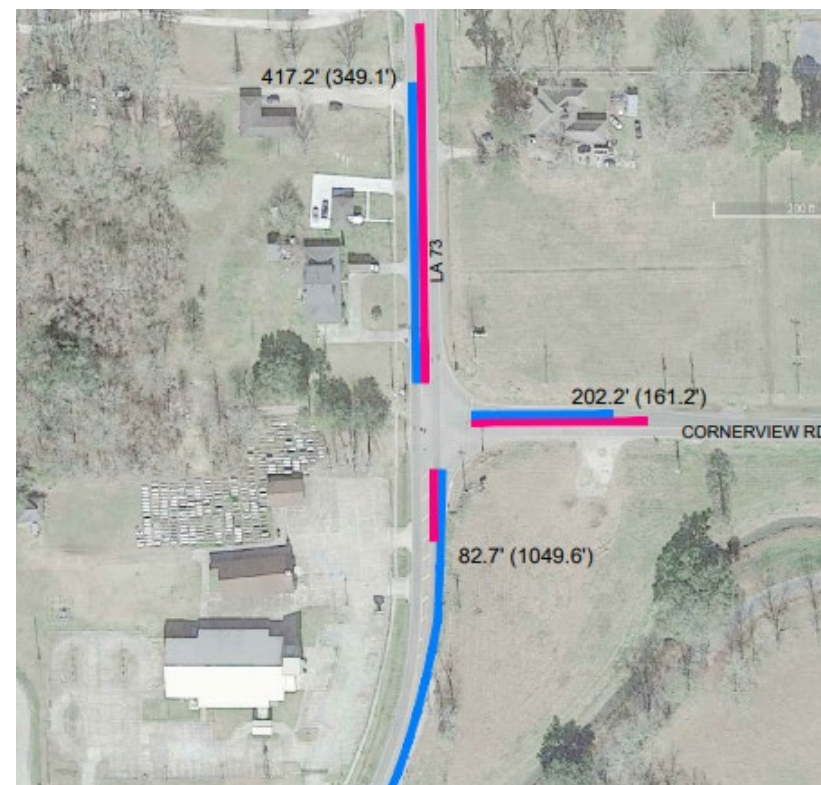
Urban Systems, Inc. provided Traffic Engineering Services for an Intersection Control Evaluation (ICE) study to assess the proposed conversion of a signalized intersection to a roundabout. The project aimed to determine the optimal intersection control, following LADOTD Traffic Engineering Process and Report (TEPR) and EDSM VI.1.1.2 guidelines, with conceptual and geometric layouts developed by SJB Group.


**URBAN SYSTEM'S ROLE:**

To achieve the project's objectives, Urban Systems undertook a comprehensive data collection process, including seven-day, 24-hour traffic counts, peak period turning movement counts, and speed data for each approach to the intersection. The analysis incorporated three years of crash data, peak hour volume figures, and growth rate estimations derived from CRPC's TransCAD data. Using HCS and SIDRA software, Urban Systems evaluated existing, No Build, and Build conditions and developed alternative solutions to enhance traffic flow and safety. Each alternative was assessed for right-of-way and utility impacts, cost implications, and accommodation of large vehicles (WB-67 trucks). The final report, complete with an executive summary, was presented in stages to ensure thorough stakeholder engagement across up to nine project meetings.

**MEMBERS INVOLVED:**

Nicole Stewart, Matthew Morgan, Ryan Wade, Kim Pham

**PERFORMED 100% LA**

Firm name			Past Performance Evaluation Discipline(s)*	Traffic
Project name	US 90 (I-49 South) Albertson's Parkway to Ambassador Caffery Design / Build		Firm responsibility (prime or sub?)	Sub
Project number	SP H.010620	Owner's name	LADOTD	
Project location	Lafayette Parish, LA		Owner's Project Manager	Peggy Jo Paine, P.E.
Owner's address, phone, email	1201 Capitol Access Rd. Baton Rouge, LA 70802		(225) 379-1065 <a href="mailto:Peggy.paine@la.gov">Peggy.paine@la.gov</a>	
Services commenced by this firm (mm/yy)	01/14	Total consultant contract cost (\$1,000's)	\$ N/A	
Services completed by this firm (mm/yy)	08/19	Cost of consultant services provided by this firm (\$1,000's)	\$ 232.6	

**PROJECT DESCRIPTION:**

Urban Systems, Inc. was part of the Design/Build team under the engineering task for this project. The project included upgrading a portion of US 90 from a four-lane facility to a six-lane facility with controlled access. The project also included providing a system of frontage roads to provide connectivity. Urban Systems was responsible for a variety of tasks including developing a signage plan, traffic signal plans, temporary traffic control plans (TCDP), traffic analysis and a Level 3 Traffic Management Plan (TMP) based on LADOTD EDSM VI.1.1.8.

**URBAN SYSTEM'S ROLE:****Signage and Traffic Signal Plans**

As part of the definitive design portion of this project, USI developed signage and traffic signal plans based on LADOTD requirements. The traffic signal plans were also developed in the latest LADOTD TSI format. These plans were updated during the construction phase of the project as unforeseen issues arose. USI worked closely with the contractor, team members and local entities throughout the construction phase.

**Temporary Traffic Control Plans (TCDP)**

Temporary traffic control plans were developed for the various phases of construction. These plans also included temporary traffic signals for some of the phases. These plans were developed to meet the current LADOTD standards. Additional traffic control plans were developed during the construction phase of the project as required by the contractor. Some of these plans involved complicated detours and devices to maintain access while completing construction.

**Traffic Study and TMP**

Traffic analysis was conducted to determine the impact construction and the proposed configuration would have on traffic conditions. Traffic volumes were re-routed for each phase on construction and capacity analysis was conducted for each scenario.


A safety analysis was prepared for the study US 90 roadway segment, LA 182-roadway segment, and the US 90 at Albertsons Parkway/St. Nazaire Road intersection based on the guidelines set forth by LADOTD in *Part III: Guidelines for Conducting a Safety Analysis for Transportation Management Plans and Other Work Zone Activities, May 2013*. The purpose of this analysis was to assess the safety impacts of the construction activities within the project area and mitigate the impact on the state highway. Mitigation strategies were also identified to minimize work zone impacts for incident management to increase construction zone safety.

**MEMBERS INVOLVED:**

Alison Catarella Michel, Nicole Stewart, Matthew Morgan, Kim Pham

PERFORMED 100% LA

**Firm Experience: Civil Design & Construction, Inc.**

Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	US 190 R Cuts @ LA741		Firm responsibility (prime or sub?)	Sub
Project number	H.015849	Owner's name	LADOTD	
Project location	St. Landry Parish, Port Barre, LA		Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email	700 Main Street Baton Rouge, LA 70802		225-387-2422 FieldsAdam@stanleygroup.com	
Services commenced by this firm (mm/yy)	10/24	Total consultant contract cost (\$1,000's)	\$ N/A	
Services completed by this firm (mm/yy)	01/25	Cost of consultant services provided by this firm (\$1,000's)	\$ 92	

**PROJECT DESCRIPTION:**

CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1700 feet west of the intersection of the US 190 and La 741. The survey then proceeded West along US 190. In addition, the survey was 10 feet north of the right of way line of US 190 to the toe of the Union Pacific Railroad. The survey then extended north along La 741 for 200 feet, then south from centerlines to a distance of 180 feet.


**CD&C's ROLE:**

The scope of work consists of providing a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.



**MEMBERS INVOLVED:** CD&C employees involved in the project included: Karla Weston, PE; Madison Mills, PLS; Brad Jacobs, EI; Chancey Cothren LSI; Scott Benton; CJ Goodspeed; Jake Stoehr; Drennon Humphreys; Alex Wells; Hunter Smith

**PERFORMED IN LA: 100%**

Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 317 - Wax Lake B		Firm responsibility (prime or sub?)	Sub
Project number	H.014824.5	Owner's name	LADOTD	
Project location	St. Mary Parish		Owner's Project Manager	Adam Fields (Stanley Consultants)
Owner's address, phone, email	700 Main Street Baton Rouge, LA 70802		225-387-2422 FieldsAdam@stanleygroup.com	
Services commenced by this firm (mm/yy)	12/24	Total consultant contract cost (\$1,000's)	\$ N/A	
Services completed by this firm (mm/yy)	04/25	Cost of consultant services provided by this firm (\$1,000's)	\$ 162	

**PROJECT DESCRIPTION:**


CD&C was a sub-consultant on this project and was responsible for a complete topographic survey, utility coordination with utility companies to mark or provide record drawings and to provide an existing drainage map to LADOTD Location and Survey standards. The survey started 1.60 miles south of the intersection of La 317 and US 90. The survey continued along US 90 for 2.3 miles north of the intersection of La 182. The width of the survey was five feet behind the right of way to the apparent right of way of all crossing streams, canals, and 500 feet from any drainage structure.

**CD&C'S ROLE:**

The scope of work consists of providing a complete topographic survey. The topographic data for this survey was collected through a combination of conventional ground survey and Terrestrial LiDAR data collection methods. Project was completed to LADOTD Location and Survey Standards and practices.

**MEMBERS INVOLVED:** CD&C employees involved in the project included Karla Weston, PE; Madison Mills, PLS; Brad Jacobs, EI; Chancey Cothren LSI; Scott Benton; CJ Goodspeed; Jake Stoehr; Drennon Humphreys; Alex Wells; Hunter Smith

**PERFORMED IN LA: 100%**

Firm name			Past Performance Evaluation Discipline(s)*	Survey
Project name	Verot School Road		Firm responsibility (prime or sub?)	Sub
Project number	H.011235	Owner's name	LADOTD	
Project location	Lafayette, LA		Owner's Project Manager	Thomas Gattle (Huval & Assoc.)
Owner's address, phone, email	922 W. Point Des Mouton Rd. Lafayette, LA 70507		337-234-3798 tgattle@huvalassoc.com	
Services commenced by this firm (mm/yy)	08/16	Total consultant contract cost (\$1,000's)	\$ N/A	
Services completed by this firm (mm/yy)	On-Going	Cost of consultant services provided by this firm (\$1,000's)	\$ 435	

**PROJECT DESCRIPTION:**

This project is located in Lafayette Parish between Lafayette Regional Airport and Broussard, LA. The project is for the proposed widening of US 90/I-49 South and realignment of Verot School Road. A topographic survey was performed along the entire proposed route as well as an existing drainage map. This included a complete topographic survey of all utilities with depths, drainage and finished floor elevations of all buildings that fell within the designated survey limits. Also, CD&C was required to coordinate with the topographic survey of the adjacent I-49 Connector project and include required portions of the I-49 Connector project with the survey of this project.


**CD&C'S ROLE:**

CD&C performed a complete topographic survey of the project site by using **3D Terrestrial Scanning in conjunction with traditional means to complete the survey. Control was set for the scanning throughout the project limits.** Coordination with Cardno, Inc. (Team member) was necessary for the location of all utilities in the project area. CD&C also coordinated with all the property owners for access to the properties and also meet with safety advisors for the industrial business that were impacted. The survey included coordination with the ongoing I-49 Connector project and merging of that survey to the CD&C survey in order to make a complete project for the area. **CD&C also researched and compiled an existing right of way linework for the prime consultant to use for exhibits for the project and is tasked to complete Final ROW Maps.** In order to complete the survey CD&C also had to coordinate with BNSF railroad for access to BNSF's rail.

**MEMBERS INVOLVED:** Karla Weston, PE; Christopher Ballard, PLS Survey PM; Madison Mills, PLS, Surveyor; Jacob Stoehr, Party Chief; Scott Benton, 3D Scan Technician

**PERFORMED 100% LA**

**Firm Experience: APS Engineering and Testing, LLC.**

Firm name			Past Performance Evaluation Discipline(s)*	<b>** Geotech **</b>
Project name	<b>Comite River Diversion Bridge at LA-67, LA-19 and LA-19 Railroad Bridge</b>		Firm responsibility (prime or sub?)	<b>Sub</b>
Project number	<b>H.001352; H.002273</b>	Owner's name	<b>Huval &amp; Associates, Inc.</b>	
Project location	<b>East Baton Rouge, Louisiana</b>	Owner's Project Manager	<b>Thomas M. Gattles III, P.E.</b>	
Owner's address, phone, email	<b>922 West Don't des Mouton Rd., Lafayette, LA 70507</b>	<b>337-264-3798</b>	<b>tgattle@huvalassoc.com</b>	
Services commenced by this firm (mm/yy)	<b>11/19</b>	Total consultant contract cost (\$1,000's)	<b>N/A</b>	
Services completed by this firm (mm/yy)	<b>06/22</b>	Cost of consultant services provided by this firm (\$1,000's)	<b>\$ 150,000</b>	

**PROJECT DESCRIPTION:**

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)


**APS'S ROLE:**

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

**MEMBERS INVOLVED:** Sergio Aviles, P.E. – Geotechnical Manager, Sai Eddanapudi, M.E., P.E. - Chief Engineer, Surendra Pathak, M.S., P.E. - Senior Geotechnical Engineer, Amanda Linton-Laboratory Testing Supervisor, Van George- Head Driller, Joseph Layton-CMT

**PERFORMED 100% LA**

Firm name			Past Performance Evaluation 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	DOTD	
Project location	Baton Rouge, Louisiana		Owner's Project Manager	Kristy Smith, P.E.
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)	09/19	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)	\$600,000	

**PROJECT DESCRIPTION:**

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

**APS'S ROLE:**

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.

**MEMBERS INVOLVED:** Sergio Aviles, P.E. – Geotechnical Manager, Sai Eddanapudi, M.E., P.E. - Chief Engineer, Surendra Pathak, P.E.- Senior Geotechnical Engineer, Amanda Linton-Laboratory Testing Supervisor, Van George- Head Driller

**PERFORMED 100% LA**

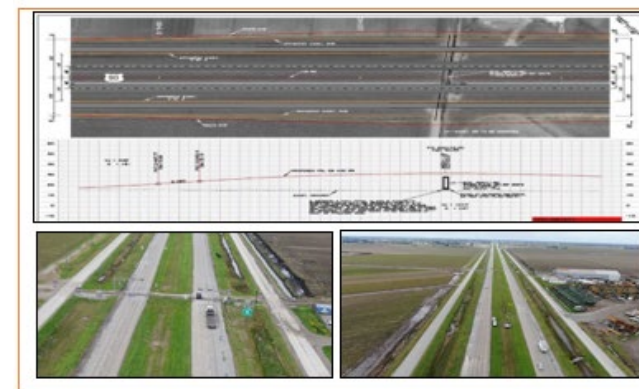
Firm name			Past Performance Evaluation Discipline(s)*	** Geotech **
Project name	US-90 Railroad Overpass (S. East of LA-85)		Firm responsibility (prime or sub?)	Sub
Project number	H.010155	Owner's name	Shread-Kurykendall & Associates, Inc	
Project location	Iberia Parish, Louisiana		Owner's Project Manager	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)	11/19	Total consultant contract cost (\$1,000's)	N/A	
Services completed by this firm (mm/yy)	12/23	Cost of consultant services provided by this firm (\$1,000's)	\$105,000	

**PROJECT DESCRIPTION:**

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)

**APS'S ROLE:**

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.

**MEMBERS INVOLVED:** Sergio Aviles, P.E. - Geotechnical Manager, Sai Eddanapudi, M.E., P.E. - Chief Engineer, Surendra Pathak, M.S., P.E. - Senior Geotechnical Engineer, Amanda Linton-Laboratory Testing Supervisor, Van George- Head Driller

**PERFORMED 100% LA**

## 18. Approach and Methodology:

### THE SCOPE OF WORK

Hartman Engineering acknowledges and understands the Scope of Services outlined by DOTD for the design of the Downing Pines Road, Mane Street, and Short Constitution Drive Roundabout Project. This project includes project management, topographic and property surveying, traffic engineering and ICE study, roadway and roundabout design, bridge and structural design, geotechnical investigations, right-of-way mapping, preparation of preliminary and final plans, and construction-phase support. We recognize the critical nature of this project and are committed to providing the resources, technical expertise, and collaborative management necessary for all tasks. Providing all tasks are completed on schedule, in compliance with DOTD standards, and with the highest attention to quality

**HEI's team has engineers, project managers, staff, and the resources to take on the Downing Pines Road, Mane Street, and Short Constitution Drive Roundabout Project to complete it on a timely schedule.**

### HEI's DESIGN APPROACH & METHODOLOGY:

Hartman Engineering is fully prepared to lead the design of the Downing Pines Road, Mane Street, and Short Constitution Drive Roundabout Project. As Prime Consultant, Hartman will deliver comprehensive roadway design, traffic analysis, project management, and plan development services. Hartman brings the depth of experience and proven project management needed to coordinate all aspects of this effort while leveraging the specialized expertise of our trusted subconsultants: GEC for bridge design, CD&C for surveying, and APS for geotechnical engineering services.

#### Project Management and Coordination – Hartman Engineering, Inc.

Hartman will oversee all project phases, beginning with a kickoff meeting to align schedules, deliverables, and QA/QC processes. We will coordinate closely with the Entity's Responsible Charge, DOTD, and the Monroe MPO through monthly progress reports, schedule updates, and milestone meetings. Using Microsoft Project, Hartman will ensure progress is tracked and tasks remain on schedule.

#### Surveying – CD&C, Inc.

CD&C will perform complete topographic and property surveys in accordance with DOTD's Location and Survey Manual, including utilities, drainage systems, and finish floor elevations. They will prepare drainage maps, survey control, and right-of-way mapping, ensuring all data is delivered in the required electronic formats for integration into roadway, traffic, bridge, and geotechnical design.

#### Traffic Engineering – Urban Systems, Inc.

Urban Systems will lead all traffic engineering tasks, beginning with the Intersection Control Evaluation (ICE) study. Their responsibilities include data collection, safety and crash analysis, traffic modeling for existing and future conditions (2025 and 2045), and evaluation of alternatives through Tier 1 and Tier 2 analyses. Urban Systems will identify the optimal roundabout configuration, prepare traffic control and turn movement analyses, and coordinate closely with Hartman to ensure operational performance is fully aligned with roadway design.

### **Roadway Design – Hartman Engineering**

Hartman will transform the traffic study findings into roadway design solutions. This includes developing roundabout geometrics, pavement design, drainage improvements, pedestrian and bicycle accommodations, and maintenance-of-traffic (MOT) plans. Our extensive experience in roundabout design ensures the final solution improves safety, mobility, and multimodal connectivity while remaining cost-effective and constructible.

### **Bridge Design – GEC**

GEC will provide structural engineering services where bridge or culvert elements are required. Their role includes structural inspections, feasibility studies, design, and load ratings using AASHTOWare. GEC will also perform non-destructive testing and sampling to verify durability and long-term performance. Their deliverables will integrate seamlessly with Hartman's roadway design and APS's geotechnical recommendations.

### **Geotechnical Engineering – APS**

APS will conduct subsurface investigations including borings, CPT soundings, lab testing, and soil classification in accordance with AASHTO and DOTD standards. They will prepare the Geotechnical Data Report (GDR) and Geotechnical Interpretation Report (GIR), addressing foundations, slope stability, embankment settlement, and culvert bedding. Their recommendations will directly support both roadway and structural designs.

### **Plan Development and Deliverables**

Hartman will integrate survey, traffic, structural, and geotechnical input into complete preliminary and final construction plans in compliance with DOTD standards and ProjectWise requirements. Deliverables will include roadway geometrics, drainage layouts, signing and striping, cross-sections, cost estimates, and specifications. Rigorous QA/QC reviews will ensure accuracy, constructability, and compliance.

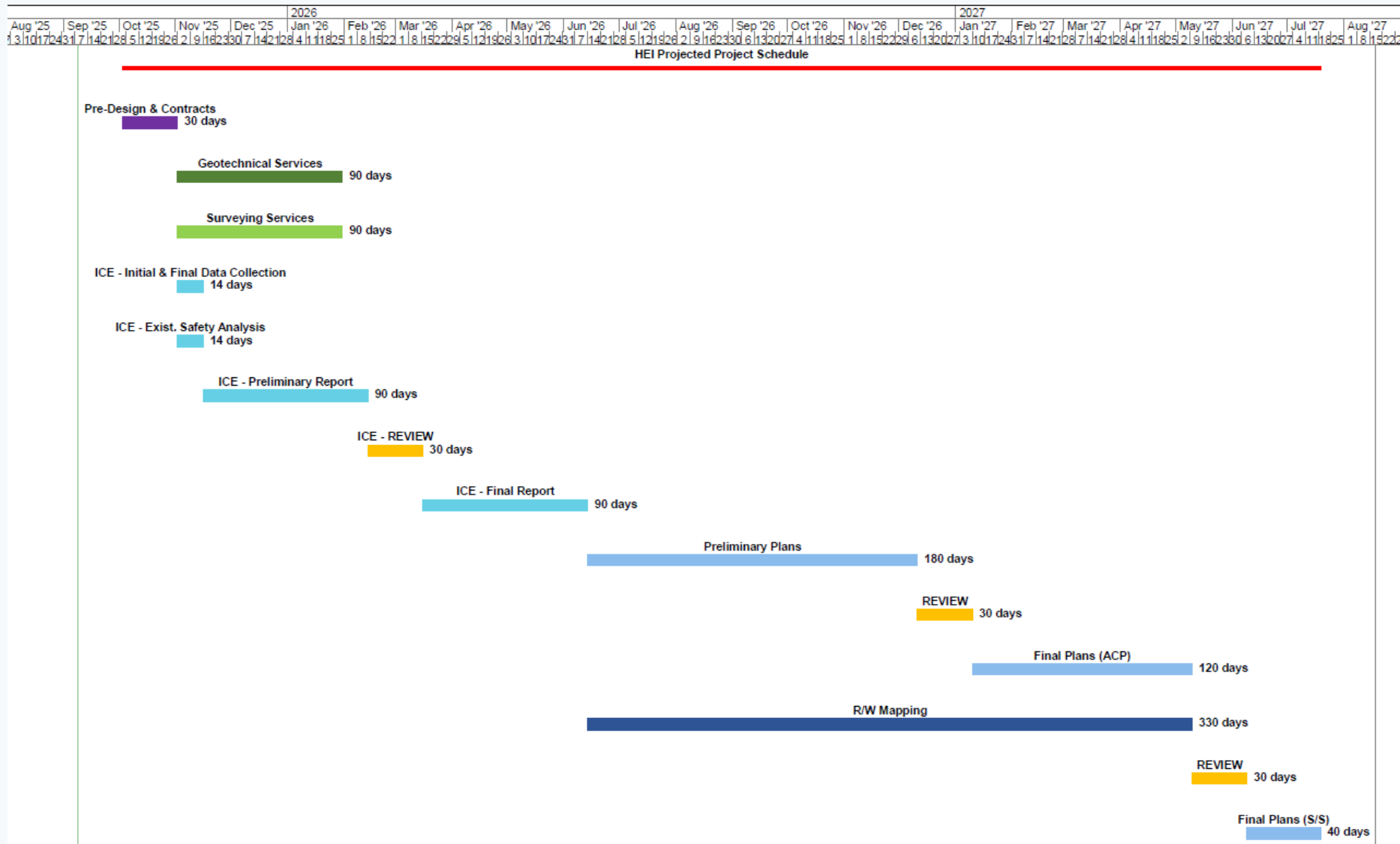
### **Construction Support**

Our commitment to the project extends into construction. Hartman will provide timely responses to contractor Requests for Information (RFIs), review shop drawings, and offer construction-phase engineering support. Hartman we will facilitate smooth project delivery and safeguard against costly delays or misinterpretations.

**Hartman Engineering offers proven leadership, technical expertise, and DOTD project experience necessary to deliver this roundabout project successfully. With Urban Systems driving traffic analysis, Hartman leading roadway design, GEC providing bridge expertise, CD&C ensuring accurate surveys, and APS delivering geotechnical solutions, our team represents a fully integrated partnership. Together, we are committed to delivering a safe, efficient, and constructible design that enhances mobility, improves safety, and benefits the West Monroe community for years to come.**

## GENERAL HEI PROPOSED PROJECT SCHEDULE

The proposed project schedule will be structured to provide a timely completion of all deliverables in alignment with LADOTD’s requirements. Below is a typical timeline for each phase of a Task Order under the contract:



\*\*Construction Support Services to be provided as needed throughout Construction

Each Task Order’s specific timeline will be tailored based on project complexity, LADOTD priorities, and required approvals, ensuring that deliverables are met efficiently and effectively. Our projected schedule leaves room for two months of flexibility.

**19. Workload:**

Firm(s) <b>ALL FIRMS MUST BE REPRESENTED IN THIS TABLE</b>	Past Performance Evaluation Discipline(s) *	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance**
Hartman Engineering, Inc.	N/A	N/A	N/A	N/A
Urban Systems Inc.	Traffic	No. H011221.5, H.011222.5; No.4400022581	I-10: N.O. CBD3 (Poydras- Louisa) & I-10:N.O CBD4 (Louisa – I-510)	<b>\$32,773</b>
Urban Systems Inc.	Traffic	No.4400024185, No.H.016046.5	US 190: Atchafalaya R @ K'Sprngs Repairs	<b>\$7,616</b>
Urban Systems Inc.	Traffic	No.4400026585, No. H.006226.5	Pointe-a-La-Hache Ferry Landing Replacement	<b>\$5,000</b>
Civil Design & Construction, Inc.	Survey	4400027093/H.014041	LA 92 ROW Maps	<b>\$60,342</b>
Civil Design & Construction, Inc.	Survey	4400026026; H.016037	LA 1138-1 & LA 1138-2	<b>\$371,329</b>
APS Engineering & Testing, LLC.	CE&I/OV	4400024653/ H.01254.6	Wiggins Bayou Bridge	<b>\$37,790</b>
APS Engineering & Testing, LLC.	Geotech	4400019337/ H.014247	LA 399 Bridges Near Fullerton	<b>\$24,307</b>
APS Engineering & Testing, LLC.	Geotech	4400019337/ H.014245	LA 119; Bayou Pierre & Creek Bridges	<b>\$23,654</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.014982.5	Marathon Rd over Dry Creek	<b>\$25,056</b>
APS Engineering & Testing, LLC.	Geotech	4400019011/ H.012068.5	LA 1026 Creek Bridge	<b>\$12,900</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.014978.5	Bellard Loop over Untamed Drainage Ditch	<b>\$28,545</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.016323.5	LA 37 Glass Branch Bridge	<b>\$6,431</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.016326.5	LA 36 Drain Bridge Pearl	<b>\$11,451</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.016322.5	LA 81: W-11 Lateral & Bayou Black Bridges	<b>\$15,804</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.016312.5	LA 3116 Creek Bridges	<b>\$20,014</b>

APS Engineering & Testing, LLC.	Geotech	4400024653/ H.004005.5	I-10 LA415 to Essen Lane on I-10 and I-12	<b>\$55,900</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H. 016321.5	LA 970 Creek Bridge	<b>\$5,123</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.016311.5	LA 1123 Box Culvert Creek Bridge	<b>\$22,194</b>
APS Engineering & Testing, LLC.	Geotech	4400024653/ H.016324.5	LA 1047 Drain Bridge	<b>\$6,946</b>
APS Engineering & Testing, LLC.	CE&I/OV	4400024653/ H.014560.6	LA-94 Vermillion River Bridge	<b>\$33,507</b>
G.E.C., Inc.	Road	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	<b>\$270,903</b>
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	<b>\$130,000</b>
		44-29196, H.016255	IDIQ Contract for Engineering & Technical Support, TO#2 – LA 1: WGS Riverplex Railroad Overpass (Sub to Stantec)	<b>\$265,572</b>
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 2 years. Expires 6/30/26)	<b>\$70,820</b>
G.E.C., Inc.	Bridge	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	<b>\$173,240</b>
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	<b>\$550,000</b>
		44-04900, H.004540.5	Leeville to Golden Meadow, Route LA 1 Relocated, Const. Engineering Services (Sub to HNTB)	<b>\$165,616</b>
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1 (Note: Work will be performed over 2 years. Expires 6/30/26)	<b>\$414,082</b>
		44-23434, H.000445	US 190: UPRR Overpass Near Opelousas, St. Landry Parish (Sub to AECOM)	<b>\$426,109</b>
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd.( SA#5 & EWL#6), Route I-10, Jefferson Parish, LA	<b>\$216,944</b>
		44-23923	IDIQ for Bridge Preservation (Sub to Huval) - No Task Orders Issued	<b>N/A</b>
G.E.C., Inc.	Environmental	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	<b>\$28,897</b>
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A.#1	<b>\$3,096</b>

			(Note: Work will be performed over 2 years. Expires 6/30/26)	
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	<b>\$40,000</b>
		H.014990.5	South Tiger Bend Rd. and East Achord Rd. Bridges (Sub to Forte & Tablada)	<b>\$8,944</b>
		44-25047, H.011358.2	US 190 (Vine Street Reconstruction), St. Landry Parish	<b>\$599,550</b>
<b>G.E.C., Inc.</b>	<b>ITS</b>	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	<b>\$19,447</b>
<b>G.E.C., Inc.</b>	<b>Other (Electrical)</b>	44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	<b>\$301,419</b>
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	<b>\$518,270</b>
		44-05267, H.003074.5	Williams Blvd – Veterans Blvd. (SA#6), Route I-10, Jefferson Parish, LA	<b>\$54,012</b>
		44-26074, H.013617.6	IDIQ Contract for Electrical Statewide, TO#1 - I:10: I-610E Interchange Lighting	<b>\$57,125</b>
		44-26074, H.014552.6	IDIQ Contract for Electrical Statewide, TO#2 - I-49: LA 31 Interchange Lighting	<b>\$80,011</b>
		44-26074, H.015598.6	IDIQ Contract for Electrical Statewide, TO#3 - I-210: Hurricane Laura Lighting Repairs	<b>\$83,119</b>
		44-26074, H.014556.6	IDIQ Contract for Electrical Statewide, TO#5 - I-49: US 190 Interchange Lighting	<b>\$87,530</b>
		44-26074, H.014553.5	IDIQ Contract for Electrical Statewide, TO#6 - I-49: LA 3233 Interchange Lighting	<b>\$2,271</b>
		44-26074, H.014557.5	IDIQ Contract for Electrical Statewide, TO#7 - I-49: Judson Walsh Interchange Lighting	<b>\$47,926</b>
<b>G.E.C., Inc.</b>	<b>Other (Program Management)</b>	44-16958	Road Transfer Program Management, Statewide (NOTE: The Average Annual billing is approx. \$290,000/ year. We are in year 5 of 6. This billing represents 1 person stationed at DOTD. Thus, unlikely to bill this entire remaining balance. (Program Management ONLY – NO Planning, Road or Bridge Design work).	<b>\$781,416</b>
		44-25040, H.015342	IIJA, Off-System Bridge Program, District 61 Less EBR, S.A. #1 (Note: Work will be performed over 2 years. Expires 6/30/26)	<b>\$89,800</b>
		44-04128, H.004273.5	I-49 Connector (Lafayette Regional Airport to I-10/I-49/US 167 Interchange) (Sub to Stantec)	<b>\$40,735</b>

		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	<b>\$375,000</b>
G.E.C., Inc.	CE&I/OV	44-23074, H.012465.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - Flashing Yellow Arrow Part 3	<b>\$20,579</b>
		44-23074, H.010960.6	IDIQ for CE&I Services and Staff Augmentation, District 61 - LA 30 Roundabouts at Tanger Mall and I-10	<b>N/A</b>
		44-23074, H.013265.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – Van Buren Street Over Corp. Canal	<b>\$53,265</b>
		44-23074, H.015424.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – La 67: Plank Rd @ Airline- Girder Rep	<b>\$59,454</b>
		44-23074, H.012061.6	IDIQ for CE&I Services and Staff Augmentation, District 61 –LA 1: Bayou Moreau and Lateral W15#7A	<b>\$119,520</b>
		44-23074, H.014762.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – LA 44: 1-10 – LA 621	<b>\$510,814</b>
		44-23074, H.15267.6	IDIQ for CE&I Services and Staff Augmentation, District 61 – LA 431: Left Turn Lane at LA 621	<b>\$47,469</b>
		44-28550, H.002868.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - I-49 S: Amb. Caffery / US 90 Interchange	<b>\$250,925</b>
		44-28550, H.013265.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 - US 90: LA 14 to LA 83	<b>\$240,567</b>
		44-28550, H.015774.6	IDIQ for CE&I, Statewide, with Majority of Work in District 03 – LA 359: Local Road (Bolden)-LA 10	<b>\$155,330</b>
		44-14315, H.003370.6	IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - I-220/I-20 Interchange IMP & BAFB Access	<b>N/A</b>
		44-14315, H.010000.6	IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide - US 171: Calcasieu River Bridge Repairs	<b>\$37,447</b>
		44-14315, H.014588.6	IDIQ for Painting Inspection & Environmental Monitoring with CE&I, Statewide – I-20: Orange Street Overpass Repair	<b>N/A</b>
		44-17006, H.011670.6	I-10/Loyola Interchange Improvements, Jefferson Parish	<b>\$87,664</b>
		44-23897, H.011965.6	LA 47: IWGO Bridge Rehabilitation (HBI) (CE&I) (sub to GPI)	<b>\$1,153,140</b>

		44,24438, H.010673.6	US 90: Harvey Canal Tunnel Rehab (CE&I), Jefferson Parish	<b>\$777,098</b>
		44-28884, H.003931.5	Calcasieu River Bridge (HBI), Calcasieu Parish	<b>N/A</b>
		44-27349, H.003931.6	Calcasieu River Bridge (HBI) (CE&I), Calcasieu Parish	<b>\$16,582,779</b>
		44-28466, H.015504.6	CCC Decorative Lighting Construction Engineering and Inspection (CE&I)	<b>\$565,945</b>
		44-29193, H.004100.5 & H.004100.6	CMAR - I-10: LA 415 to Essen on I-10 and I-12 (Sub to Huval), East and West Baton Rouge Parishes	<b>\$4,000</b>

\* 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.

### Certificate of Completion

presented to

*Tony Tramel*

for completing the

#### Traffic Engineering Analysis Process & Report Module 1

Date: January 14, 2019  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 2

*Joly Colonna*  
Authorized Instructor

*Jim Holt*  
Authorized Instructor

*Robert Brummett*  
Authorized instructor



### Certificate of Completion

presented to

*Tony Tramel*

for completing the

#### Traffic Engineering Analysis Process & Report Module 2

Date: January 14, 2019  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*Joly Colonna*  
Authorized Instructor

*Jim Holt*  
Authorized Instructor

*Robert Brummett*  
Authorized instructor



### Certificate of Completion

presented to

*Tony Tramel*

for completing the

#### Traffic Engineering Analysis Process & Report Module 3

Date: January 15, 2019  
Location: Baton Rouge, Louisiana

Professional Development  
Hours (PDHs) Awarded: 3

*Joly Colonna*  
Authorized Instructor

*Jim Holt*  
Authorized Instructor

*Robert Brummett*  
Authorized instructor



### National Highway Institute Certificate of Training



**Jared Monceaux**

has participated in

**FHWA-NHI-142005 NEPA and the  
Transportation Decision-making Process**

hosted by

**LA DOTD/LTRC**

Date: April 5-7, 2016  
Location: Baton Rouge, LA

Hours of Instruction: 18

*ICDP*  
Instructor

*William H. Landry*  
Local Coordinator

*Dorey Skinner*  
Instructor

*Valerie Briggs*  
Valerie Briggs, Director  
National Highway Institute



Jared Monceaux

has attended  
Louisiana Traffic Control Supervisor

Completed: 22-FEB-2024

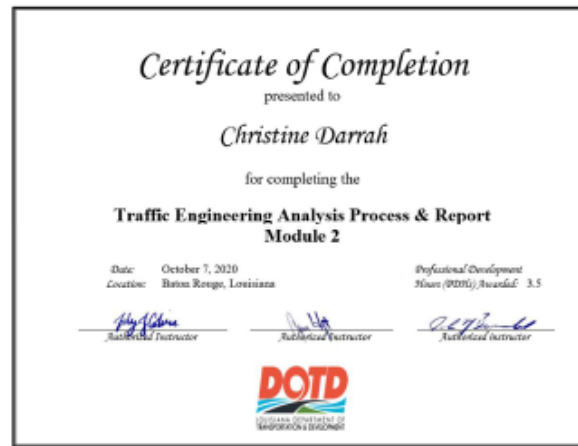
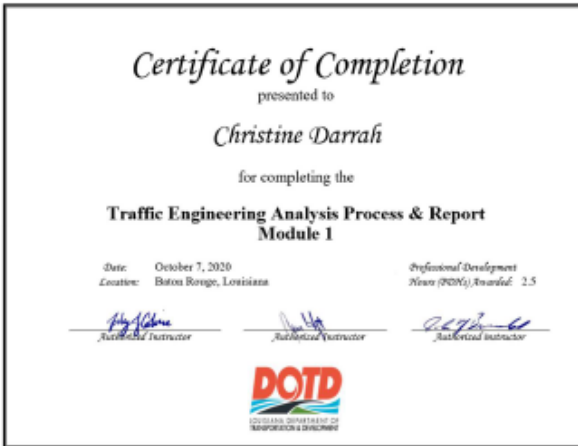
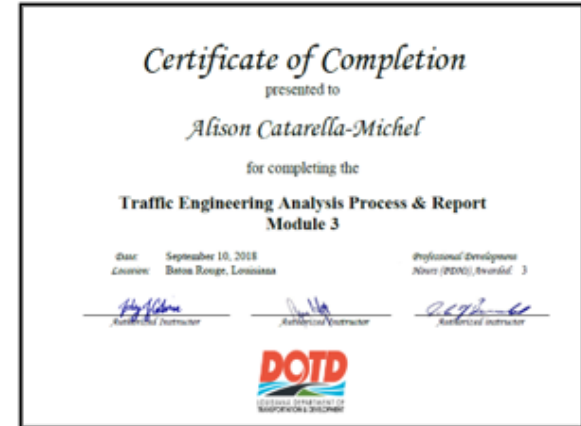
CEU (If Applicable): 1.5

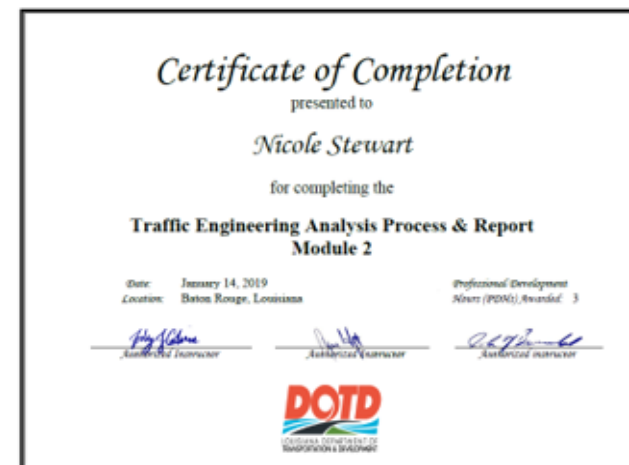
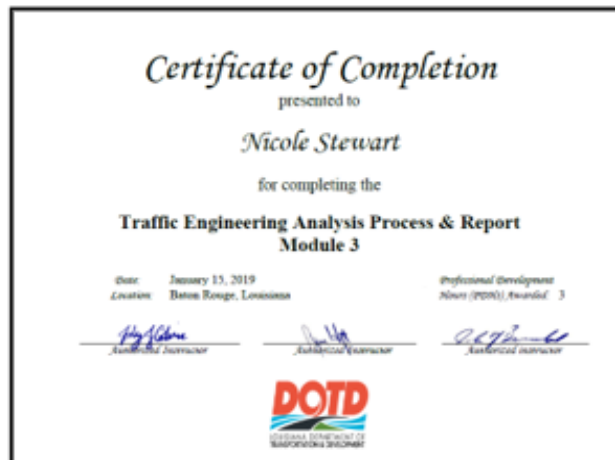
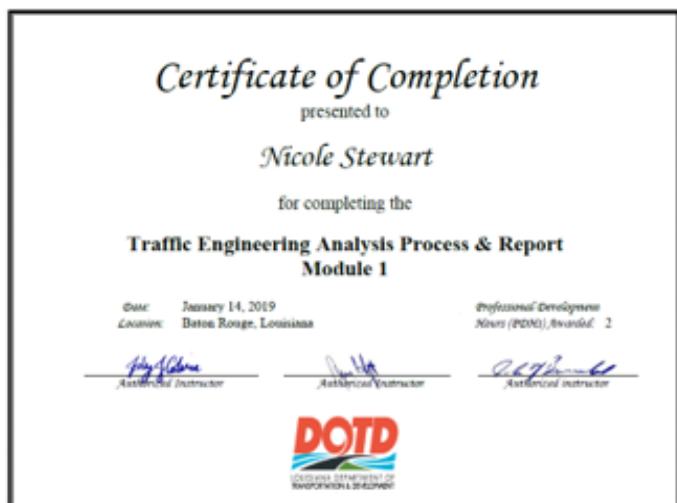
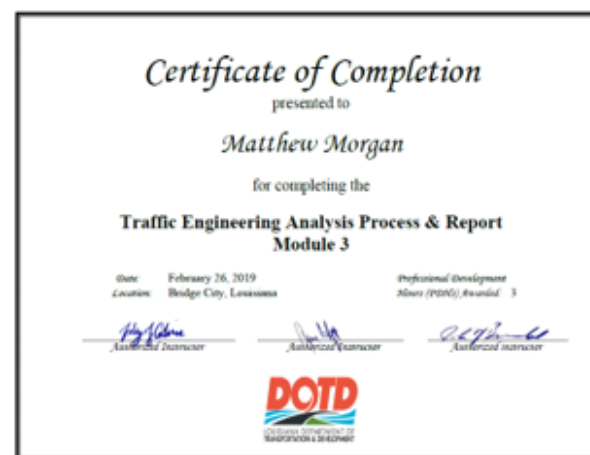
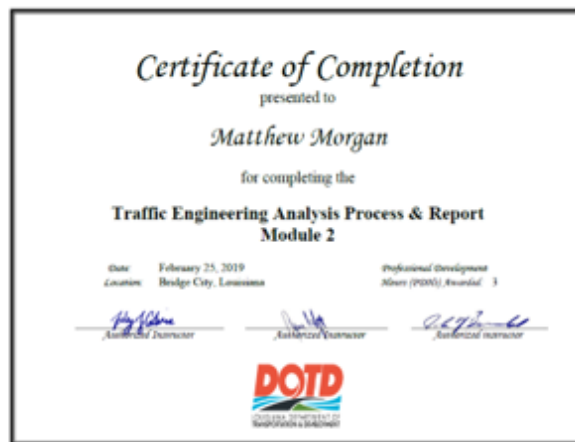
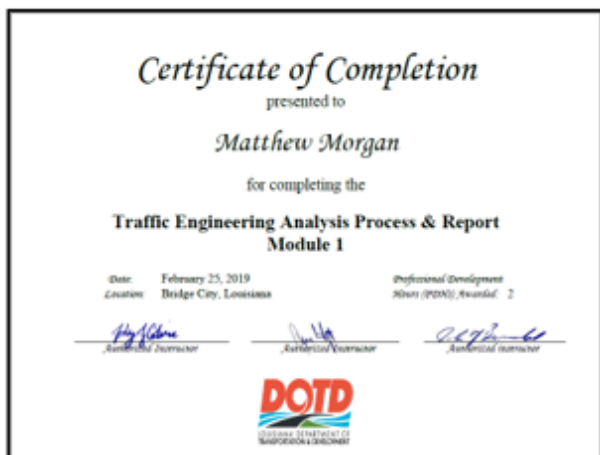
ATSSA provides training and certification but neither constitutes employment by ATSSA.

This certificate provides proof of training, not certification.



American Traffic Safety Services Association  
ATSSA.com





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

**Christopher Ballard**  
has attended  
**Louisiana Traffic Control Supervisor Refresher**

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association  
ATSSA.com

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Madison Mills**  
has attended  
**Louisiana Traffic Control Supervisor**  
Training Course

7/12/2023 to 7/12/2027  
Training Valid Through

Baton Rouge, LA  
Location

*Donna M. Clark*  
Vice President of Education and Technical Services

*Shawn Tischer*  
President, CEO

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

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Brad Jacobs**  
has attended  
**Louisiana Traffic Control Supervisor**  
Training Course

7/12/2023 to 7/12/2027  
Training Valid Through

Baton Rouge, LA  
Location

*Donna M. Clark*  
Vice President of Education and Technical Services

*Shawn Tischer*  
President, CEO

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

**Jacob Stoehr**  
has attended  
**Louisiana Traffic Control Supervisor Refresher**

Completed: 14-MAR-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association  
ATSSA.com

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Drennon Humphreys**  
has attended  
**Louisiana Traffic Control Supervisor**  
Training Course

7/12/2023 to 7/12/2027  
Training Valid Through

Baton Rouge, LA  
Location

*Donna M. Clark*  
Vice President of Education and Technical Services

*Shawn Tischer*  
President, CEO

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

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Alexander Wells**  
has attended  
**Louisiana Traffic Control Supervisor**  
Training Course

7/12/2023 to 7/12/2027  
Training Valid Through

Baton Rouge, LA  
Location

*Donna M. Clark*  
Vice President of Education and Technical Services

*Shawn Tischer*  
President, CEO

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

**Hunter Smith**  
has attended  
**Louisiana Traffic Control Supervisor**

Completed: 09-JAN-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

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Clarence Goodspeed**  
has attended  
**Traffic Control Technician-LA State Specific**  
Training Course

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

Baton Rouge, LA  
Location

*Ron Gribble*  
Director of Training

*Shawn Tischer*  
President, CEO

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

**PROOF OF TRAINING**  
THIS CERTIFICATE HEREBY RECOGNIZES THAT

**Tracey Smith**  
has attended  
**Traffic Control Technician-LA State Specific**  
Training Course

8/2/2022 to 8/2/2026  
Training Valid Through

Baton Rouge, LA  
Location

*Ron Gribble*  
Director of Training

*Shawn Tischer*  
President, CEO

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

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**CHRIS BALLARD**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 2/29/2024 Instructor Name Debbie Purcella  
Exp. Date 2/29/2028 *Debbie Purcella*  
State Issued LA Instructor Signature

V0000287042 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**MADISON MILLS**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 8/1/2023 Instructor Name Debbie Purcella  
Exp. Date 8/1/2027 *Debbie Purcella*  
State Issued LA Instructor Signature

V0000201560 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**BRADLEY JACOBS**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 5/22/2023 Instructor Name Debbie Purcella  
Exp. Date 5/22/2027 *Debbie Purcella*  
State Issued LA Instructor Signature

V0000177975 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**SCOTT BENTON**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 2/2/2024 Instructor Name Debbie Purcella  
Exp. Date 2/2/2028 *Debbie Purcella*  
State Issued LA Instructor Signature

V0000258961 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**JAKE STOEHR**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 6/2/2025 Instructor Name Debbie Purcella  
Exp. Date 6/2/2029 *Debbie Purcella*  
State Issued LA Instructor Signature

V000039006 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**DRENNON HUMPHREYS**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 6/2/2025 Instructor Name Debbie Purcella  
Exp. Date 6/2/2029 *Debbie Purcella*  
State Issued LA Instructor Signature

V000039007 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**ALEXANDER WELLS**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 1/29/2024 Instructor Name Debbie Purcella  
Exp. Date 1/29/2028 *Debbie Purcella*  
State Issued LA Instructor Signature

V0000262405 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**HUNTER SMITH**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 2/2/2022 Instructor Name Debbie Purcella  
Exp. Date 2/2/2026 *Debbie Purcella*  
State Issued LA Instructor Signature

V0000039795 Verify at Flagger.com

**ATSSA** American Traffic Safety Services Association  
SAFER ROADS SAVE LIVES

This is to affirm that

**CJ Goodspeed**

has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date 3/23/2022 Instructor Name ATSSA  
Exp. Date 3/22/2026 *CJ Goodspeed*  
State Issued LA Instructor Signature

A1000054514 Verify at Flagger.com



Scott Benton  
has attended  
Louisiana Traffic Control Supervisor Refresher

Completed: 23-FEB-2024

CEU (If Applicable): 0.75

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



American Traffic Safety Services Association  
ATSSA.com



Chancey Cothren  
has attended  
Louisiana Traffic Control Supervisor

Completed: 22-AUG-2024

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

**TEMPORARY CERTIFICATE IS AWARDED TO**  
**CHANCEY COTHREN**  
Has successfully completed a flagger training course meeting the requirement of the  
**LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT**  
on the following date  
**JUL 26, 2024**  
This certificate is valid for 30 days from completion date  
with a government issued photo ID.  
Verify this certificate against the information online use the code below to view certificates  
**190-57-114401**  
Enter the code to verify this certificate is an original at  
<https://process.onlineflagger.com/duplicate>

**TEMPORARY CERTIFICATE IS AWARDED TO**  
**TRACEY SMITH**  
Has successfully completed a flagger training course meeting the requirement of the  
**LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT**  
on the following date  
**APR 24, 2025**  
This certificate is valid for 30 days from completion date  
with a government issued photo ID.  
Verify this certificate against the information online use the code below to view certificates  
**191-57-125992**  
Enter the code to verify this certificate is an original at  
<https://process.onlineflagger.com/duplicate>  
ATSSA Serial Number will show here once we process your card. Please check back here in a few days if there is no number listed below.

**ATSSA** American Traffic Safety Services Association  
*Safer Roads Save Lives*

This is to affirm that  
**TRACEY SMITH**  
has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**  
Issue Date 4/24/2025 Instructor Name Debbie Purcella  
Exp. Date 4/24/2029  
State Issued LA Instructor Signature Debbie Purcella  
V0000307728  
Verify at [Flagger.com](https://www.flagger.com)



# LOUISIANA UNIFIED CERTIFICATION PROGRAM

## Disadvantaged Business Enterprise Program (DBE)

### Small Business Element (SBE)

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

## Civil Design & Construction, Inc.

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

**NC541330, NC541340, NC541350, NC541370**

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

### **Certificate Eligibility: March 2025 to March 2026**

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

*Rhonda Wallace*

**Rhonda Wallace, DBE/SBE Programs Manager**

*Louisiana Department of Transportation & Development*

**Certifications/Licenses: APS Engineering and Testing, LLC**




**CERTIFICATE OF ACCREDITATION**



**APS Engineering and Testing, LLC.**

in

**Baton Rouge, Louisiana, USA**

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).



John Tymon, AASHTO Executive Director



Matt Linneman, AASHTO COMP Chair



**USACE CERTIFICATE OF LABORATORY VALIDATION**



**APS**  
1645 Nicholson Drive  
Baton Rouge, LA,  
Sergio Aviles  
(225) 456-5714

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.


**THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:**  
09 MAY 2022 AT 15:40 HOURS

**ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 12/01/2023**

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: <https://mtc.erc.dren.mil>




Chad A. Gartrell, PE, Director  
USACE Materials Testing Center  
Vicksburg, Mississippi, USA



**STATE OF LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Is hereby granting a Louisiana Environmental Laboratory Accreditation to




**APS Engineering and Testing LLC**  
1645 Nicholson Dr  
Baton Rouge, Louisiana 70802

Agency Interest No. 182994  
Activity No. ACC20250001

According to the Louisiana Administrative Code, Title 33, Part 1, Subpart 3, LABORATORY ACCREDITATION, the State of Louisiana formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed in the attachment.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 1, Subpart 3 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 1. Please contact the Department of Environmental Quality, Louisiana Environmental Laboratory Accreditation Program (LELAP) to verify the laboratory's scope of accreditation and accreditation status.

Accreditation by the State of Louisiana is not an endorsement or a guarantee of validity of the data generated by the laboratory. Accreditation of the environmental laboratory does not imply that a product, process, system, or person is approved by LELAP. To be accredited initially and maintain accreditation, the laboratory agrees to participate in two single-blind, single-concentration PT studies, where available, per year for each field of testing for which it seeks accreditation or maintains accreditation as required in LAC 33:14711.



Tonya Landry, Administrator  
Public Participation and Permit Support Division

Issued Date: 5/14/23  
Effective Date: July 1, 2025  
Expiration Date: June 30, 2026  
Certificate Number: 05100





**LOUISIANA UNIFIED CERTIFICATION PROGRAM**

**Disadvantaged Business Enterprise Program (DBE)**  
**Small Business Element (SBE)**

This is to certify that under Title 49, Part 28 of the Code of Federal Regulations & under the State of Louisiana Unified Certification Program (LUMCP)

**APS Engineering and Testing, LLC**

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

**NC221310, NC221320, NC541330, NC541370, NC541380, NC541620, NC541690**


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

**Certificate Eligibility: October 2024 to October 2025**

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



Rhonda Wallace, DBE/SBE Programs Manager  
Louisiana Department of Transportation & Development



**LOUISIANA ECONOMIC DEVELOPMENT**

DIVISION OF SMALL BUSINESS SERVICES


This certification acknowledges that

**A P S Engineering and Testing, LLC**

is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative

This certification is valid from 5/8/2025 to 5/8/2026

Certification No. 9274



Stephanie Hartman,  
Director, Entrepreneurial Services



**CITY OF BATON ROUGE**  
PARISH OF EAST BATON ROUGE

**APS ENGINEERING & TESTING, LLC.**

has successfully completed the requirements approved by the City of Baton Rouge, Parish of East Baton Rouge and is therefore awarded this

**CERTIFICATE OF SEDBE CERTIFICATION**

JULY 21, 2023



### PROOF OF CERTIFICATION

THIS CERTIFICATE IS PROUDLY PRESENTED TO  
**Surendra Pathak**

has demonstrated a thorough knowledge of the standards, guidelines and practices of traffic control in highway construction and maintenance work areas; has completed all the requirements of the American Traffic Safety Services Association Certification Program to the satisfaction of the Certification Board; and is hereby awarded the designation of  
**Traffic Control Supervisor**

This certified individual is fully entitled to all the rights and privileges associated with this designation. This certificate will remain in effect until the expiration date noted herein unless otherwise revoked by action of the Certification Board.

Issue Date: 12/29/2022  
Expiration Date: 12/28/2026  
Certification #: 4405/8

*Don M. Clark*  
Vice President of Education and Technical Services




### PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Sergio Aviles**  
has attended  
**Traffic Control Technician Virtual Training**  
Training Course

1/24/2023 to 1/24/2027  
Training Valid Through

CEU: 0.75

Location

*Sergio Aviles*  
Director of Training

*Alan Tischer*  
President, CEO

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




**Sairam Eddanapudi**  
has attended  
**Louisiana Traffic Control Technician**

Completed: 13-MAY-2025

CEU (If Applicable): 0.75

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

American Traffic Safety Services Association  
ATSSA.com



*This is to affirm that*  
**Sergio Aviles**  
has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date: 12/7/2022  
Exp. Date: 12/6/2026  
State Issued: Louisiana

ATSSA  
Instructor Name  
*[Signature]*  
Instructor Signature

A1000114707  
Verify at Flagger.com



*This is to affirm that*  
**Surendra Pathak**  
has satisfied the requirements to be designated as a  
**CERTIFIED FLAGGER**

Issue Date: 1/29/2025  
Exp. Date: 1/28/2029  
State Issued: Louisiana

ATSSA  
Instructor Name  
*[Signature]*  
Instructor Signature

A1000282129  
Verify at Flagger.com



**State of Louisiana**  
**Department of Transportation and Development**

This certificate is presented to  
**Sairam Eddanapudi**  
for successfully completing  
**The Local Public Agency (LPA) Qualification Program:  
Construction, Engineering, & Inspection (CE&I)  
Training (Parts 1-9) on**  
May 9, 2025




**State of Louisiana**  
**Department of Transportation and Development**

This certificate is presented to  
**Sergio Aviles**  
for successfully completing  
**The Local Public Agency (LPA) Qualification Program:  
Construction, Engineering, & Inspection (CE&I)  
Training (Parts 1-9) on**  
May 5, 2025



**TEMPORARY CERTIFICATE IS AWARDED TO**  
**VAN GEORGE**  
Has successfully completed a flagger training course meeting the  
requirement of the  
**LOUISIANA DEPARTMENT OF TRANSPORTATION &  
DEVELOPMENT**  
on the following date  
**AUG 07, 2025**  
This certificate is valid for 30 days from completion date



### PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

---

**Van George**  
has attended  
**Louisiana Traffic Control Technician**  
Training Course

9/5/2023 to 9/5/2027  
Training Valid Through

Baton Rouge, LA  
Location

*Don M. Clark*  
Vice President of Education and Technical Services

*Alan Tischer*  
President, CEO

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



Louisiana Secretary of State Status

Search for Louisiana Business Filings

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Name	Type	City	Status
HARTMAN ENGINEERING, INC.	Business Corporation	KENNER	Active

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

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Name	Type	City	Status
APS ENGINEERING AND TESTING, LLC	Limited Liability Company	BATON ROUGE	Active

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Name	Type	City	Status
CIVIL DESIGN & CONSTRUCTION, INC.	Business Corporation	PORT ALLEN	Active

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Name	Type	City	Status
G.E.C., INC.	Business Corporation	BATON ROUGE	Active

21. QA/QC Plan:**Roadway Quality Control/Quality Assurance**

QA/QC comprises an integral part of our design and project management process. Our QA/QC process is summarized as follows:

General.

Ensuring a quality product is a primary goal of the firm. QA/QC is required for public safety as well as Client satisfaction. The Manager of the firm QA/QC program is the president of the firm; subcontractors are included in the QA/QC program. All QA/QC plans shall include an independent check, a peer review, supervisory executive review, and a review by either the Owner or the Firm President.

Check.

All computations, calculations, and drawings shall be checked by a competent qualified member of the team other than the originator and so marked.

Peer Review.

All products shall be reviewed at the working level by an uninvolved, qualified team member. The results of the review shall be resolved before going to the Executive Review. A record of the checks and per review shall accompany the product to the executive review.

Executive Review.

The Project Manager shall insure that the checks and reviews are complete and resolve any unresolved issues from the review process. Cost estimates will be checked to ensure proper order of magnitude, and the project will then advance to the Owner or Firm President.

Owner/President Review.

The Owner/President shall insure that the checks and reviews are complete, resolve any outstanding issues, review the product, and determine if any changes are required in the QA/QC procedures.

**22. Sub-consultant information:**

<b>Firm Name</b> (Name must match <b>exactly</b> as registered with Louisiana's Secretary of State (SOS): <b>including punctuation, include screenshot(s) from SOS at the end of Section 20)</b>	<b>Address</b>	<b>Point of Contact and email address</b>	<b>Phone Number</b>
<b><u>Urban Systems Inc</u></b> 	<b>2000 Tulane Ave, Suite 200 New Orleans, LA 70112</b>	<b>Alison C. Michel, P.E., PTOE, PTP, RSP</b> amichel@urbansystems.com	(504) 569 - 3958
<b><u>Civil Design &amp; Construction, Inc.</u></b> 	<b>P.O. Box 857 Port Allen, LA 70767</b>	<b>Karla E. Weston, P.E.</b> Kweston@cdcbr.com	(225) 765-1803
<b><u>APS Engineering and Testing, LLC</u></b> 	<b>1645 Nicholson Dr. Baton Rouge, LA 70802</b>	<b>Sergio Aviles, PE</b> sergio@aps-testing.com	(225) 456-5714
<b><u>G.E.C., Inc.</u></b> 	<b>8282 Goodwood Blvd. Baton Rouge, LA 70806</b>	<b>Cary Bourgeois, PE</b> cbourgeois@gecinc.com	(225) 612-4121

23. Location:

N/A