

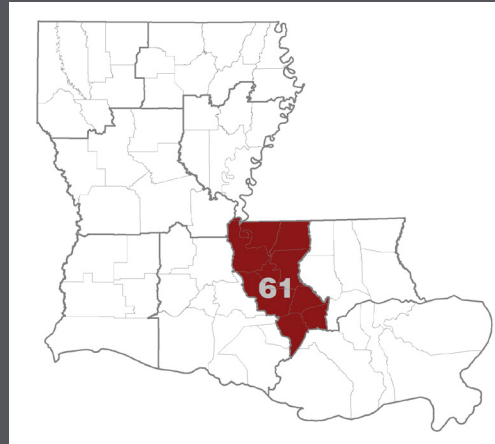
IDIQ Contract for Design Services Statewide with Majority of Work in District 61

LADOTD Contract No. 4400032781

September 3, 2025

Submitted by:
Waggoner Engineering, Inc.

waggonereng.com



September 3, 2025

Louisiana Department of Transportation and Development
1201 Capital Access Road
Baton Rouge, LA 70802



RE: Contract No. 4400032781 Request for Qualifications for Engineering and Related Services for IDIQ Contract for Design Services Statewide with Majority of Work in District 61

Waggoner Engineering, Inc. (Waggoner) is excited for the opportunity to partner with the Louisiana Department of Transportation and Development (LADOTD) on this Indefinite Delivery/Indefinite Quantity (IDIQ) Contract for Design Services, serving projects statewide with a focus in District 61. We are fully prepared to bring our proven experience, depth of resources, and long-standing relationships with LADOTD to successfully execute multiple concurrent task orders across a wide range of design disciplines.

FIRM EXPERIENCE AND PAST PERFORMANCE: Waggoner, a leader in water resources engineering in the Gulf Coast region, expanded its footprint and technical practice expertise by joining forces with Sigma Consulting Group, Inc. (Sigma) in November 2022. Sigma's 35 years of transportation engineering expertise with the LADOTD now serves as Waggoner's transportation division headquarters. **While legacy Sigma now operates under the Waggoner name, the day-to-day management and operational structure remain unchanged.** The former owners and managing partners of Sigma are active leaders in Waggoner's management and operations, ensuring that the firm experience and exemplary past performance provided by Sigma over our 30 plus years of service to the LADOTD remains intact while offering the broader resources and capabilities of Waggoner.

LADOTD DESIGN EXPERIENCE: Our team offers comprehensive expertise in roadway and bridge design, topographic and property surveying, hydraulic and drainage analysis, environmental documentation and permitting, and pavement preservation and transportation systems management. We are well-versed in LADOTD processes, manuals, and standards, including the Roadway Design Procedures and Details Manual, Bridge Design and Evaluation Manual, Hydraulics Manual, and Off-System Highway Bridge Program Guidelines. Project Manager Andrew Windmann, PE, who previously spent 13 years in LADOTD's Bridge Design Section, brings direct insight into LADOTD's project development, review, and delivery processes, ensuring that our work is fully aligned with Department requirements.

CAPACITY AND RESOURCES: We understand that this IDIQ contract requires the ability to manage up to five active task orders at any time. Our team size, supported by trusted sub-consultants, is structured to provide

responsive service without compromising quality or schedule. Waggoner will maintain more than 50 percent of the work in-house, ensuring direct control over project quality and delivery. To further enhance our capabilities, we have strategically partnered with **Vectura Consulting Services, LLC (Vectura)** for traffic engineering, **NTB Associates, Inc. (NTBA)** for surveying assistance, and **APS Engineering and Testing, LLC (APS)** for geotechnical services. These partnerships bring specialized expertise, proven performance on LADOTD projects, and a shared commitment to delivering accurate, timely, and cost-effective results for each task order issued under this contract.

APPROACH AND METHODOLOGY: Our approach emphasizes proactive communication with LADOTD project managers and district staff, rigorous QA/QC for all deliverables including those from sub-consultants, and the flexibility to adapt to compressed project schedules. We combine multidisciplinary expertise across roadway, bridge, survey, environmental, and hydraulic disciplines with a commitment to meeting and exceeding the 4% DBE participation goal. Waggoner's familiarity with LADOTD's IDIQ and task order processes allows us to streamline execution, reduce review cycles, and ensure that every project meets LADOTD's standards for safety, efficiency, and durability.

Thank you for considering Waggoner for this opportunity. If you require any additional information or have questions, please do not hesitate to contact me at 225.298.0800 or via email at robert.lear@waggonereng.com.

Sincerely,

Robert J. Lear, Jr., PE, LSI
Vice President/Senior Project Manager
Waggoner Engineering, Inc.

Sections 1-11

I-10: Highland Road to LA 73 Design Build | East Baton Rouge & Ascension Parishes
H.009250

Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)
Lead Design Firm

The James Construction Group (Primoris)/Sigma (Waggoner) team was the only bidder after the other two teams declined to submit a bid.

Past Performance Disciplines performed by Waggoner:
Road, Bridge, Traffic, Environmental, Other (Alternative Delivery), Other (SUE)



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	IDIQ Contract for Design Services Statewide with Majority of Work in District 61
2. Contract Number(s) as shown in advertisement	Contract No. 4400032781
3. State Project Number(s) , if shown in the advertisement	N/A
4. Prime Consultant Name (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</u> screenshot from SOS at the end of Section 20)	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)
5. Prime Consultant License Number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0002553 VF.0000457
6. Prime Consultant Mailing Address	10305 Airline Highway Baton Rouge, LA 70816
7. Prime Consultant Physical Address (existing or to be established, if location is used as an evaluation criteria)	10305 Airline Highway Baton Rouge, LA 70816
8. Name, Title, Phone Number, and Email Address of Prime Consultant's Contract Point of Contact	Robert J. Lear, Jr., PE, LSI Vice President/Senior Project Manager robert.lear@waggonereng.com 225.298.0800
9. Name, Title, Phone Number, and Email Address of the Official with Signing Authority for this Proposal	Robert J. Lear, Jr., PE, LSI Vice President/Senior Project Manager robert.lear@waggonereng.com 225.298.0800

10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.



Signature above shall be the same person listed in Section 9

Date: September 3, 2025

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.

11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.

Firm(s)	Firm Percent
APS Engineering and Testing, LLC	5%
Vectura Consulting Services, LLC	5%
Total DBE Participation	10%

Sections 12-15

LA 347: Roundabout at Melancon Road (St. Martin Parish)
H.009456

Completed roundabout at the intersection of LA 347 and Doyle Melancon Road as part of LADOTD Project H.009456 (construction plans prepared by Waggoner (formerly Sigma)).

Past Performance Disciplines performed by Waggoner: Other (Project Management), Road




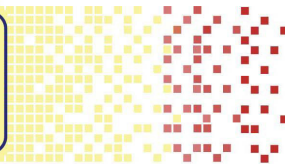
12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Discipline(s)	% of Overall Contract	Waggoner (formerly Sigma)	APS	NTB Associates	Vectura	Each Discipline must total to 100%
Road	75%	100%	-	-	-	100%
Bridge	3%	100%	-	-	-	100%
Traffic	5%	-	-	-	100%	100%
Geotech	5%	-	100%	-	-	100%
Survey	10%	50%	-	50%	-	100%
Right-of-Way	2%	50%	-	50%	-	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.						
Percent of Contract	100.0%	84.0%	5.0%	6.0%	5.0%	100.0%

13. TEAM SIZE:

Firm Name	LADOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this LADOTD Job Classification (if needed)
 <p>WAGGONER FORMERLY SIGMA CONSULTING GROUP</p>	Principal	1	2
	Supervisor - Engineer	2	6
	Engineer	4	9
	Engineer Intern	3	5
	CADD Technician	2	4
	Senior Technician	2	5
	Instrument Man	1	1
	Surveyor	2	2
	Party Chief	2	2
	Clerical	1	2
 <p>APS Engineering and Testing</p>	Engineer	3	3
	Engineer Intern	2	2
	Engineering - Aide	2	4
	Driller	6	16
	Technician	5	15
	Clerical	1	2
	Inspector - Certified	1	2
	Senior Technician	3	8
 <p>NTBA SURVEY. DESIGN. BUILD. SUCCEED.</p>	Principal	1	1
	Engineer	0	1
	Surveyor	4	6
	Supervisor - Other	1	4
	Senior Technician	0	1
	CADD Technician	1	7
	Technician	1	2
	CADD Drafter	1	5
	Party Chief	4	20
	Instrument Man	4	6
Rodman	4	10	

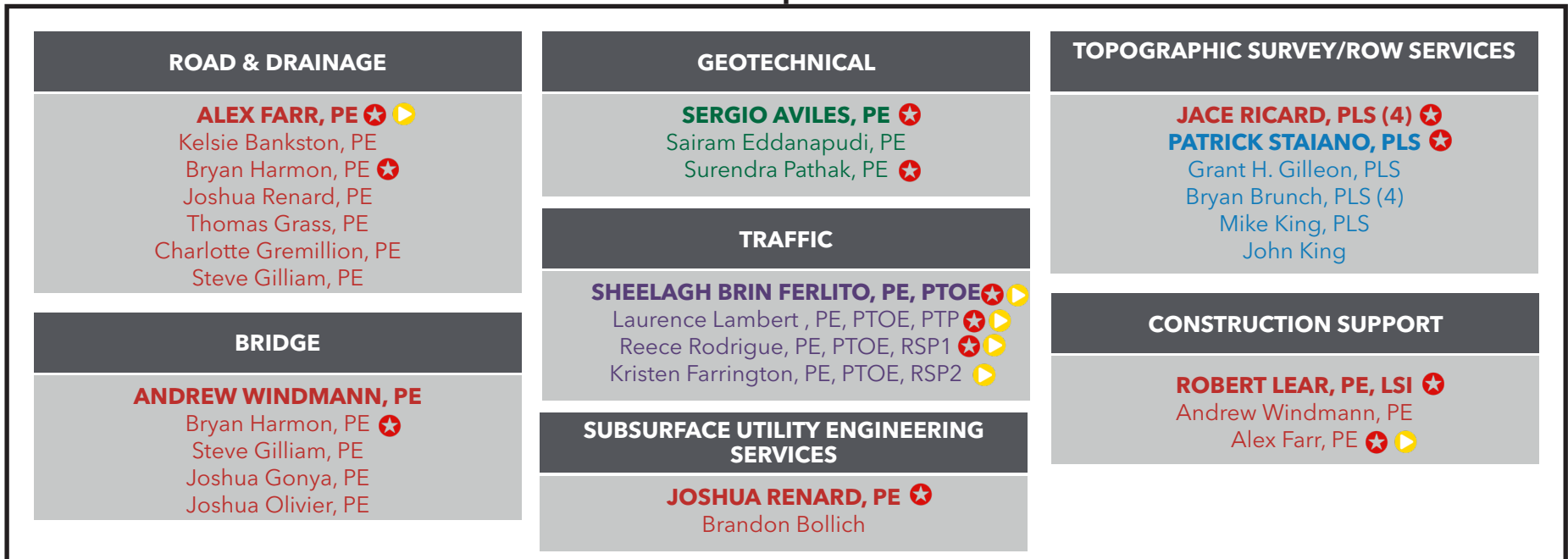
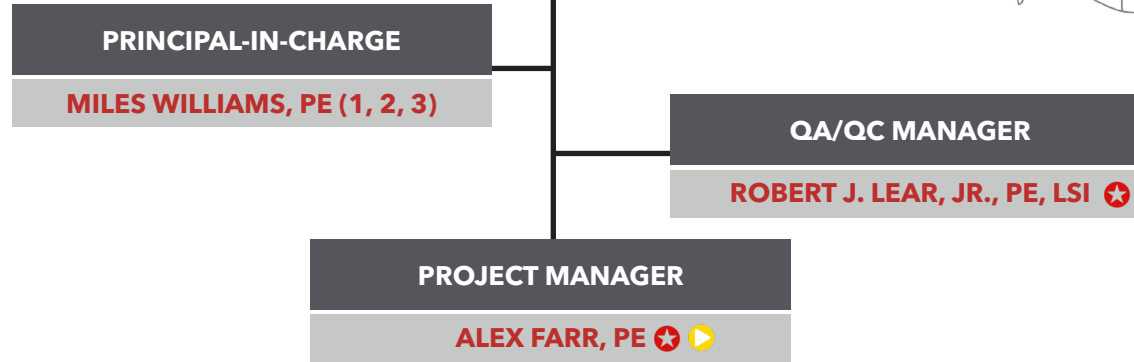
	Supervisor - Eng	2	2
	Engineer	3	3
	Engineer Intern	3	3
	Senior Technician	2	2
	Technician	1	1
	Supervisor - Other	1	1
	Clerical	1	1



SIGMA IS NOW WAGGONER... GREATER CAPACITY TO TRANSFORM COMMUNITIES

14. ORGANIZATIONAL CHART:

KEY
Waggoner (formerly Sigma)
AME
NTB Associates
Vectura
(#) Meets MPR Criteria
★ Meets Work Zone Training Requirements
▶ Meets Traffic Engineering Process & Report Training Requirements
DISCIPLINE LEAD (CAPS & BOLD)



15. MINIMUM PERSONNEL REQUIREMENTS:

MPR # 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	Miles Williams, PE	Waggoner	PE#23094 - Civil	LA	3/31/2026
2	Miles Williams, PE	Waggoner	PE#23094 - Civil	LA	3/31/2026
3	Miles Williams, PE	Waggoner	PE#23094 - Civil	LA	3/31/2026
4	Jace Ricard, PLS	Waggoner	PLS#5205 - Survey	LA	9/30/2025

* The Waggoner team has multiple personnel assigned to this contract who have the qualifications necessary to meet each minimum personnel requirements. Individuals listed are the key personnel for each MPR. Additional names were not added to keep the response clear and concise.

Section 16

I-10: E. Jct. I-49 to Atchafalaya Floodway Bridge
Lafayette & St. Martin Parishes
H.003003, H.010601, H.003014

Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)
Lead Design Firm

Past Performance Disciplines performed by Waggoner: Other (Project Management), Road



16. STAFF EXPERIENCE:



Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
Name	Alex Farr, PE	Years of Relevant Experience with this Employer	11
Title	Project Manager	Years of Relevant Experience with Other(s) Employers	2
Degree(s)/Years/Specialization	BS/2011/Civil Engineering		
Active Registration Number/State/Expiration Date	PE#40426/LA/09-30-2026		
Year Registered	2016	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Project Manager Discipline Lead - Road & Drainage Construction Support	

Alex Farr is a **licensed civil engineer** with **extensive LADOTD experience in roadway design, pavement preservation, transportation systems management (TSM), and drainage improvements**. For this IDIQ Design Services contract, Alex will serve as **both Project Manager and Road & Drainage Discipline Lead**, providing overall project leadership, task order oversight, and QA/QC management. In this role, he will **direct roadway and drainage design, survey integration, project stationing, and documentation of drainage structures, utilities, and existing conditions**. Alex will ensure all design activities adhere to **LADOTD's Roadway Design Procedures, Details Manual, and Louisiana Standard Specifications**, while also managing construction support services such as plan clarifications, responses to RFIs, and **coordination with LADOTD staff**. His technical expertise, management experience, and **familiarity with District 61 priorities will ensure the accurate, timely, and compliant delivery** of task orders under this contract.


Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).		
10/16 - 12/20 SECTION 17 PROJECT	I-10: Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parish, LA (H.009250) Project Engineer. Alex was responsible for performing the TMP as well as the safety analysis for this project to determine what safety concerns correlated to the construction of this segment. Alex was also responsible for the suggested sequence of construction, guardrail design, and the quantity estimate for the above mentioned project.		
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Project Engineer. Alex was responsible for developing the proposed vertical profiles along the entire mainline corridor as well as their respective service roads, surface streets, entrance, and exit ramps. This included determining existing vertical clearance along the corridor and adjusting the profile to meet the minimum vertical clearance per LADOTD minimum design guidelines. This was performed along this corridor by using as-builts pertaining to their respective locations. Alex was also responsible for calculating the roadway and bridge construction costs for the project opinion of probable costs.		
10/12 - Ongoing SECTION 17 PROJECT	Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Project Engineer. Alex serves as a project engineer on this project. Hooper Road is being upgraded to a four-lane blvd with complete streets accommodations. He also managed the topographic survey and prepared ROW maps. This project included both pavement preservation and capacity functional classifications.		
03/13 - 07/22	I-10: East Jct. I-49 to LA 328, Lafayette and St. Martin Parishes, LA (H.003003) I-10: LA 328 to LA 347, St. Martin Parish, LA (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish, LA (H.003014) Project Engineer. Alex prepared road design plans for the interstate, ramps, and overpasses for all three segments of I-10. The TMPs pertained to alternate route analysis, public information, stakeholder involvement, traffic and safety data, temporary traffic control, and work zone impact management strategies. Alex was also responsible for the suggested sequence of construction, temporary signing, and quantity computations for each construction funding source and control section. This project included both pavement preservation and capacity functional classifications.		



Alex Farr resume continued

04/21 - Ongoing	Rural Bridge Replacement Initiative Phase II (South), LA (440001338) Project Manager. Alex is responsible for the plan development of this project, which is for 16 state projects including 29 bridge replacement sites throughout south Louisiana. This includes preparing the Project Design Report (PDR) as well as the horizontal and vertical geometry. As some bridge sites are allowed to be closed for construction while others must remain open, Alex is also responsible for designing a detour route or diversion road, which includes a suggested sequence of construction. Alex is also responsible for the guardrail design at each bridge site. Along with plan development, Alex will be assisting the project manager in subconsultant coordination as well as invoicing and progress reporting to the LADOTD Project Manager.
08/18 - 10/22	I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Project Engineer. Alex was responsible for performing the design of the ramp's profiles, including the super elevation calculations as well as the graphical grades. Alex was also responsible for the permanent striping plans, clearing and grubbing plans, and the quantity estimate.
10/20 - Ongoing	I-10 & I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), E. Baton Rouge Parish, LA (H.013897) Road and Construction Sequencing Design Reviewer. Alex is serving as a road and construction sequencing design reviewer, providing support services to DOTD for this project. This project consists of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Alex's responsibilities include reviews of roadway plans and construction sequencing with consideration being given to DOTD Design Guidelines and Standard Details and Specifications.
01/17 - Ongoing	I-49 South: US 90 & Ambassador Caffery Interchange, Lafayette Parish, LA (H.002868) Project Engineer. Alex was responsible for the storm sewer drainage design along the northbound and southbound service roads for this project. Alex was also responsible for preparing a traffic signal plan including a traffic signal warrant analysis as well as an operational analysis concerning the two new proposed signals at the northbound and southbound service roads and Ambassador Caffery. Alex also developed the Transportation Management Plan (TMP) for this project to minimize impacts to the traveling public throughout construction.
06/23 - Ongoing	Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Project Manager. Waggoner was contracted by the East Baton Rouge Parish Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Road intersection to a new terminus point on Airline Highway. The project includes a two-mile four-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and ROW mapping, and stormwater detention ponds to control outfall channel levels. Alex is serving as the Project Manager for this project, designing the roadway geometrics, typical sections, geometric details, cross sections, MOT, quantities, and construction cost estimates.
2018 - 05/24	Scotlandville Parkway to Downtown Baton Rouge Bike Trail (H.013267) Project Engineer. Alex served as the project engineer and designed a bike trail from Memorial Stadium to BREC Scotlandville Parkway Park. The design included separated mixed use trails, road to trail conversions, and shared lanes. Alex also prepared the striping and signing plans for this route, quantities, and estimated construction cost.
12/14 - 04-19	Acadian Thruway Safety Improvements (H.011261) Project Engineer. Alex computed project quantities, sequence of construction, and the striping plan for this mill and overlay project. Alex also was responsible for utility location along this segment. He designed geometric alternates for the intersection at Claycut Road.
2023 - Ongoing	IJA Bridge Replacement Initiative (District 62), LA (4400025041) Road Design Lead and Engineer of Record. Alex is the road design lead and Engineer of Record for this contract of six state projects including six bridge replacements in Livingston, St. Helena, Tangipahoa, and Washington Parishes. As Roadway Lead, Alex oversees the overall plan preparation, including horizontal and vertical layouts, typical roadway sections, and summary of all quantities in accordance with LADOTD's Minimum Design Guidelines and Roadway Design Manual.


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
	Name	Robert J. Lear, Jr., PE, LSI	Years of Relevant Experience with this Employer	26
	Title	Vice President Senior Project Manager	Years of Relevant Experience with Other(s) Employers	3
	Degree(s)/Years/Specialization	BS/1996/Civil Engineering		
	Active Registration Number/State/Expiration Date	PE#29394/LA/03-31-2027		
	Year Registered	2001	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		QA/QC Manager Construction Support		
<p>Robert will be responsible for the day-to-day management of the IDIQ Contract, ensuring all task orders are executed according to scope, schedule, and budget. He will oversee the preparation of preliminary and final plans, coordinate with all team members, and ensure compliance with LADOTD guidelines while incorporating environmental and constructability reviews. With over 20 years of LADOTD project design and management experience, Robert will provide QA/QC oversight to ensure each project meets LADOTD's goals and is delivered on time.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/16 - Ongoing SECTION 17 PROJECT	I-10: Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parish, LA (H.009250) Road Design Manager and SUE Manager. Robert was the roadway design engineer and SUE manager for this LADOTD design build project. The project includes widening I-10 for 6.6 miles to three-lanes in each direction from the Highland Road Interchange to the LA73 Interchange. He was responsible for the roadway geometrics for interstate widening and ramp terminal upgrades. He also managed the utility coordination and locating efforts for the contractor during construction. This included QL-A locates for a 16-inch water line and 14-inch duct bank along Highland road, and relocation coordination for various telecommunication lines.			
02/16 - Ongoing SECTION 17 PROJECT	Pecue Lane/I-10 Interchange - Phase III, East Baton Rouge Parish, LA Road Design. Robbie is providing road design for the project widened two prestressed concrete girder structures over Ward's Creek along the mainline I-10 roadway. Both structures were widened under traffic. The design matched the existing structure type utilizing current AASHTO LRFD Bridge Design manual and design criteria. Waggoner's project scope included the replacement of a slab span structure over Ward's Creek along the local roadway south of the proposed interchange structure.			
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Roadway Design Engineer. Robert is a roadway design engineer for the widening of I-10, interchange improvements, and surface street improvements through Baton Rouge. His responsibilities include urban roadway, freeway, and interchange geometrics, profile design, typical sections, design reports, establishing required ROW, and plan preparation using Microstation and Inroads. He is part of the roadway task force which collaborates with the design team, LADOTD, and the CMAR contractor.			
10/12 - Ongoing SECTION 17 PROJECT	Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Project Manager. Robert was the project manager during the Environmental Assessment phase of this 2.2-mile urban roadway capacity project. Hooper Road is being upgraded to a four-lane blvd with complete streets accommodations. He also managed the topographic survey and prepared right-of-way (ROW) maps. This project included both pavement preservation and capacity functional classifications.			
08/21 - 05/23 SECTION 17 PROJECT	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), East Baton Rouge Parish, LA (H.010652) Roadway QA/QC. Robert performed the roadway QA/QC for the entire project including typical sections, plan profiles, cross sections, pay items, quantities, and opinion of probable costs. Waggoner was contracted by LADOTD to engineer the reconstruction of LA 73, covering full pavement replacement, curbs, gutters, and sidewalks from Airline Highway to the I-12 on-ramp, and repairs from the I-12 on-ramp to Essen Lane. The project included a 2.3-mile roadway with quantity summaries, cost estimates, and plans to minimize traffic impacts.			

Robert Lear resume continued

03/03 - Ongoing	<p>LA 1 Improvements: Fourchon-Golden Meadow, Lafourche Parish, LA (700-29-0112 H.008145 H.004526) Project Manager, Road Design Engineer, Permitting Manager. Robert has served multiple roles for this multi-phase mega project to add 17 miles of tolled bridge on new alignment through coastal Louisiana. During Phase 1 (Fourchon-Leeville), he designed roadway, geometrics, permanent signing, permanent striping, roadway lighting, construction canal dredging plans, marsh creation mitigation plans, and provided construction support. He performed CE&I/OV services for the toll gantry, roadway lighting, electrical systems, wayfinding signage, permanent signing, and new toll building. He also prepared and secured all construction permits (USACE, DNR, USCG, DEQ) for Phases 1 and 2. He prepared demolition plans for the old Bayou Lafourche bridge substructure, as well as coordinated SUE and utilities for all pipeline in the active oil and gas field. This project included both pavement preservation and capacity functional classifications.</p>
03/13 - 07/22	<p>I-10: East Jct. I-49 to LA 328, Lafayette and St. Martin Parishes, LA (H.003003) I-10: LA 328 to LA 347, St. Martin Parish (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish (H.003014) Project Manager and Lead Road Design Engineer Of Record. Robert served as the project manager and lead road design engineer of record for capacity and pavement preservation improvements for I-10 in Lafayette. These three projects were designed concurrently under a road design retainer and constructed under three separate construction contracts. He designed roadway geometrics, drainage, graphical grades, ramp terminals, roundabout intersections, and construction sequencing. He also coordinated the multi-discipline plan set packaging, quantity computations, specs, special provisions, pay items, design reports, design waivers, design exceptions, and utility conflicts. He played an active role in construction support as well. This project included both pavement preservation and capacity functional classifications.</p>
01/13 - Ongoing	<p>I-49 South: US 90 and Ambassador Caffery Interchange, Lafayette Parish, (H.002868) Roadway Design Engineer. Robert is a roadway design engineer for a new interchange on future I-49 at Ambassador Caffery Parkway in Lafayette, LA. Robert is responsible for the horizontal and vertical geometric design and road plan production of a four-tiered interchange, eight-lane mainline, two-lane one-way frontage roads, and u-turns.</p>
04/02 - 04/12	<p>Jones Creek Road Improvements Tiger Bend Road - Coursey Blvd., East Baton Rouge Parish, LA (H.007137) Project Manager and Lead Road Design Engineer. Robert was the project manager and lead road design engineer for the widening of a two-lane road to a five-lane urban section. He designed roadway geometrics, intersections, sidewalks, residential and commercial drives, pavement markings, and cross sections. He also managed the topographic survey and worked under PLS supervision for the preparation of ROW maps.</p>
10/20 - Ongoing	<p>I-10 and I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), East Baton Rouge Parish, LA (H.013897) Lead Road Design Engineer. Robert is serving as the lead design review engineer for the following design units: definitive design, clearing and grubbing, roadway, drainage, maintenance of traffic, pavement marking and signing, Stormwater Pollution Prevention Plan (SWPPP), and TMP Level 4. His responsibilities include technical reviews of calculations and drawings for conformance to the minimum guidelines, project technical performance specifications, and contract documents.</p>
05/21 - 03/23	<p>LA 352 Drainage Improvement, St. Martin Parish, LA (H.014415) Project Manager and Design Engineer. Robert was the project manager and design engineer of record for drainage improvements along LA 352 in Henderson, LA. The project includes removing several undersized side drains and side road cross drains with a 10x6 RCB to alleviate regional flooding problem near the I-10 Henderson exit. The design also incorporates a drainage bypass system to balance flows near the interchange. Robert is responsible for coordinating the project with the District 03 administrator, DTOE, area engineer, and utility coordinator, along with the design of the drainage systems, maintenance of traffic plans, and construction plan development.</p>
01/14 - 07/16	<p>LA 342: Roundabout at LA 724, Lafayette Parish, LA (H.002163) Project Manager and Lead Road Design Engineer. Robert served as the project manager and road design engineer for a four-legged single-lane roundabout in Lafayette Parish. He was responsible for the horizontal and vertical geometric design, typical sections, suggested sequencing, permanent pavement markings, permanent signing, quantities and opinion of probable costs for this project. He also supervised all survey and SUE efforts. Utility locates included QL-D and QL-C locates. Robert coordinated with District 03 for utility relocation requirements and needs.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Miles Williams, PE		Years of Relevant Experience with this Employer	35
	Title	Senior Vice President/Transportation Market Section Lead		Years of Relevant Experience with Other(s) Employers	8
	Degree(s)/Years/Specialization		BS/1983/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#23094/LA/03-31-26		
Year Registered	1988	Discipline	Civil Engineering		
Contract Role(s)/Brief Description of Responsibilities		Principal-in-Charge Meets MPR 1, 2, and 3			
<p>Miles will oversee the project and ensure all services are performed in compliance with the IDIQ Contract and specific task orders. He will provide high-level direction and decision-making, ensuring adherence to the LADOTD Location and Survey Manual and other relevant LADOTD standards. Miles will be responsible for the final approval of all deliverables and coordination with the DOTD's Chief Engineer to ensure quality and conformity with DOTD's standards. With extensive experience as a design engineer and project manager on traffic engineering and transportation projects, Miles has led the design of individual and interconnected traffic signal systems, supervised multidisciplinary design teams, and developed maintenance of traffic, construction phasing, and construction signing plans and specifications for a variety of governmental and private clients.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/16 - Ongoing SECTION 17 PROJECT	I-10: Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parish, LA (H.009250) Project Design Manager. Miles is serving as the Project Design Manager for all design efforts on the project. As such, he is responsible for leading and coordinating all disciplines: road design; bridge design; lighting; geotechnical investigation; and traffic control. He also is the responsible engineer for geometric design, roadway construction and traffic control plans. During construction, he is interacting with both the Contractor and the designers of various temporary components to ensure that all project requirements are being met.				
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Road Design Lead. Miles is the road design lead professional for the replacement of I-10, interchange improvements, and surface street improvements through Metro Baton Rouge. His responsibilities include road and drainage design, complex interchange geometric design, maintenance of traffic/sequencing plans, coordinating with the CMAR contractor, design and constructability reviews, value engineering assessments, cost estimating, project phasing for GMP limit determination, proposed ROW and control-of-access limit determination, utility coordination, and public involvement.				
10/12 - Ongoing SECTION 17 PROJECT	Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Principal-in-Charge. Miles is the principal-in-charge for the NEPA EA and urban road design of this 2.2 mile capacity project. Hooper Road is being upgraded to a four-lane blvd with complete streets accommodations. This project included both pavement preservation and capacity functional classifications.				
08/21 - 05/23 SECTION 17 PROJECT	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), East Baton Rouge Parish, LA (H.010652) Road Design Engineer. Miles was the road design engineer-of-record and was responsible for all roadway design and plan preparation tasks. Waggoner was contracted by LADOTD to engineer the reconstruction of LA 73, covering full pavement replacement, curbs, gutters, and sidewalks from Airline Highway to the I-12 on-ramp, and repairs from the I-12 on-ramp to Essen Lane. The project included a 2.3-mile roadway with quantity summaries, cost estimates, and plans to minimize traffic impacts.				

Miles Williams resume continued

03/13 - 07/22	<p>I-10: East Jct. I-49 to LA 328, Lafayette and St. Martin Parishes, LA (H.003003) I-10: LA 328 to LA 347, St. Martin Parish, LA (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish, LA (H.003014) Principal-in-Charge, Road Design Engineer. Miles served as the principal-in-charge and road design engineer for capacity and pavement preservation improvements for I-10 in Lafayette. These three projects were designed concurrently under a road design retainer and constructed under three separate construction contracts. He provided overall contract management, designed sequence of construction plans, and mentored the roadway design calculation and plan preparation process. He played a supportive role in construction support as well. This project included both pavement preservation and capacity functional classifications.</p>
01/13 - Ongoing	<p>I-49 South: US 90 and Ambassador Caffery Interchange, Lafayette Parish, LA (H.002868) Road Design Engineer. Miles is the road design engineer of record for a new interchange on future I-49 at Ambassador Caffery Parkway in Lafayette, LA. He is responsible for the horizontal and vertical geometric design, subsurface and open ditch drainage design, and road plan production of a four-tiered interchange, eight-lane mainline, two-lane one way frontage roads, and u-turns. He also is responsible for coordinating the frontage road extensions and interchange alternative design for future/interim condition implementation.</p>
03/03 - Ongoing	<p>LA 1 Improvements: Fourchon-Golden Meadow, Lafourche Parish, LA (700-29-0112 H.008145 H.004526) Project Manager, Lead Road Design Engineer, Principal-In-Charge. Miles was the lead road design engineer for Phase 1 of this multi-segment mega project to add 17 miles of tolled bridge on new alignment through coastal Louisiana. During Phase 1 (Fourchon-Leeville), he designed both interim and ultimate interchange/intersection geometrics, roadway plans, permanent signing, permanent striping, and provided construction support. He is the principal-in-charge for environmental and permitting services, and construction support services for Phase 2 (Leeville-Golden Meadow). This project included both pavement preservation and capacity functional classifications.</p>
04/02 - 04/12	<p>Jones Creek Road Improvements Tiger Bend Road - Coursey Blvd., East Baton Rouge Parish, LA (H.007137) Principal-in-Charge, Project Manager. Miles was the principal-in-charge for the Jones Creek Road Improvements project for LADOTD. The project involves widening an existing two-lane roadway to a five-lane curb and gutter roadway with subsurface drainage. He was responsible for contracts, geometrics, road design, sequence of construction, signing, and coordination of traffic signalization. He was also the project manager during the topographic and boundary survey and ROW map preparation phases.</p>
12/14 - 04/19	<p>South Acadian Thruway (Perkins Road - LA 73), East Baton Rouge Parish, LA (H.011261) Principal-in-Charge. Miles was the principal-in-charge for the safety project designed to reduce the number of accidents along the stretch of Acadian Thruway. The project includes replacing the asphalt overlay and improving the intersection design at Claycut Road. Miles reviewed proposed safety and sidewalk improvements as they were implemented in the project. This project included both pavement preservation and capacity functional classifications.</p>
04/18 - Ongoing	<p>Belle Chasse Bridge and Tunnel Replacement Public-Private Partnership Project, Plaquemines, and Jefferson Parish, LA (H.004791) Project Principal, Hydraulic Design Engineer. Waggoner is a design subconsultant providing drainage design for this alternative delivery project. Miles is serving as project principal and hydraulic design engineer. His work entails liaison with the prime consultant, builder, concessionaire, and LADOTD. He is also assisting in the design of the drainage system for the roadways throughout the project including storm sewer design, drainage plans preparation, and generation of quantities.</p>
04/21 - Ongoing	<p>Rural Bridge Replacement Initiative Phase II (South), LA (16 Projects) (440001338), Various Locations, LA Principal-in-Charge. Waggoner is leading engineering design and coordination for the replacement of 29 state highway bridges across five LADOTD districts, organized into 16 concurrent projects. The team is responsible for preliminary and final roadway and bridge design, drainage and structural engineering (including reinforced concrete components and prestressed girders), ROW determination, and environmental coordination for NEPA compliance. Waggoner collaborates with subconsultants and maintains regular client communication to ensure timely submittals and effective project alignment.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
	Name	Bryan Harmon, PE	Years of Relevant Experience with this Employer	10
	Title	Vice President Special Projects Engineer	Years of Relevant Experience with Other(s) Employers	33
	Degree(s)/Years/Specialization		BS/1981/Agricultural Engineering BS/1982/Civil Engineering	
	Active Registration Number/State/Expiration Date		PE#22595/LA/03-31-2027	
	Year Registered	1987	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage Bridge Hydraulics and Scour		
<p>Bryan will serve as a key member of the road and drainage team, overseeing the design and engineering review process. He will ensure that preliminary and final designs meet LADOTD standards and guidelines, with a focus on drainage system improvements, bridge hydraulic structure sizing and scour analysis, pavement conditions, and ROW considerations. Bryan will also provide expert input during construction phase services, ensuring adherence to specifications and resolving design-related issues. His extensive experience managing large-scale infrastructure projects will help ensure quality and timely project delivery.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/16 - Ongoing SECTION 17 PROJECT	I-10: Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parish, LA (H.009250) Design & Construction Liaison and Design Engineer. Bryan is serving as the project design and construction Liaison for the project. He is responsible for coordinating design and construction efforts to ensure a cost effective and efficient delivery process. Bryan also serves as a design engineer for the open ditch and subsurface drainage systems for this 6.7-mile interstate capacity improvement project for LADOTD.			
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Supervising Drainage Engineer. Bryan is serving as Waggoner's supervising drainage engineer for this major interstate improvement project from just east of the Mississippi River bridge crossing to just west of College Drive. Bryan is responsible for the final drainage design of the interstate collection systems, local frontage roads, and drainage outfalls including the bridge hydraulic evaluation of the Acadian Thruway Bridge over Dawson Creek.			
10/12 - Ongoing SECTION 17 PROJECT	Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Hydraulic Design QA/QC. The project consists of improving Hooper Road in Central, LA from Blackwater Road to Sullivan Road. Bryan performed all QA/QC and hydraulic design oversight for the project including existing and proposed drainage computations, existing drainage areas, pre- and post-development stormwater parameters, HEC-RAS models of the five existing major cross drains to evaluate existing and proposed conditions, design of reinforced box culverts for cross drains, open ditches, and/or drainage structures and piped systems for storm drainage collection. He was the plan checker for the drainage plan and profile, existing and proposed drainage, and the summary of drainage structure sheets. The design computations were performed using HYDRWIN, Global Mapper, HEC-RAS, Excel, and Civil3D.			
08/21 - 05/23 SECTION 17 PROJECT	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), East Baton Rouge Parish, LA (H.010652) Project Manager. Bryan was the project manager for the development of preliminary and final plans to fully reconstruct existing LA 73, including complete pavement and base removal and replacement, curbs and gutters, and sidewalks from Airline Highway to the I-12 on-ramp near Drusilla Lane, and for concrete pavement patching and repair of damaged curbs and sidewalks from the I-12 on-ramp to Essen Lane. This plan development consists of all engineering services including a summary of estimated quantities and cost.			

Bryan Harmon resume continued

03/13 - 07/22	<p>I-10: East Jct. I-49 to LA 328, Lafayette & St. Martin Parishes (H.003003) I-10: LA 328 to LA 347, St. Martin Parish (H.003014) I-10: LA 347 to Atchafalaya Floodway Bridge, St. Martin Parish (H.003014) QA/QC. Bryan performed roadway and drainage design for these three segments of I-10. He also performed superelevation computations and graphical grades to provide positive drainage along relatively flat grades in the median of the interstate. He was also responsible for QA/QC of the roadway plans and sequence of construction for the LA 347 roundabouts and roadway improvements. This project included both pavement preservation and capacity functional classifications.</p>
05/21 - 03/23	<p>LA 352 Drainage Improvement, St. Martin Parish, LA (H.014415) Lead Hydraulic Engineer. Bryan is the lead hydraulic engineer for drainage improvements along LA 352 in Henderson, LA. The project includes removing several undersized side drains and side road cross drains with a 10x6 RCB to alleviate regional flooding problems near the I-10 Henderson exit. The design also incorporates a drainage bypass system to balance flows near the interchange. Bryan is responsible for performing HEC-RAS modeling and HYDRO-WIN calculations on the main outfall channel, developing drainage alternatives and associated costs, and QA/QC on the construction plans.</p>
08/18 - 10/22	<p>I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Bryan was responsible for the evaluation and design of both the existing and proposed drainage systems for this new four-lane rural arterial and roadway. In addition to the standard DOTD drainage evaluations for storm drain systems (inlets, pipes, box culverts, and bridges) consideration of impacts to the surrounding floodplain storage basins and wetlands had to be considered. The floodplain area along the southern limits of the project is also bisected by the KCSRR and is subject to significant backwater and overbank flooding from Red Chute Bayou. Due to the floodplain complexities associated with this lateral overflow storage area, coordination with the Bossier Levee District was required which included utilizing elements of their 2-D Unsteady Flow Hec Ras Model for this region. Due to the lateral overflows and interchange of flows, consideration of bridge scour was evaluated for the KCSRR Overpass utilizing the HEC -RAS computer model.</p>
10/20 - Ongoing	<p>I-10 and I-12 College Drive Flyover Ramp Design-Build (CE&I/OV), E. Baton Rouge Parish, LA (H.013897) Road Design and Drainage Design Reviewer. Bryan is serving as both a road design and drainage design reviewer, providing support services to DOTD for this project. This project consists of modifying the I-10 West/College Drive exit into separate I-12 West and I-10 West exits. Bryan's responsibilities include participation in the progress reviews of each Design Unit and Ready for Construction (RFC) Plan submittals. These reviews include roadway plans, construction sequencing, primary drainage systems, open channel design, with consideration being given to DOTD Design Guidelines, Hydraulics Manual, standard details and specifications, and to potential impacts to the Wards Creek drainage basin and adjoining infrastructure developments. Having served as the drainage engineer, chief engineer, and ultimately the Director of Public works for the East Baton Rouge City-Parish, Bryan brings significant institutional knowledge of the local drainage and roadway systems within the parish and how they may react to this project modification. He clearly understands the concerns that may be expressed by the local community and the need for proper public-private communication and partnership on a project of this magnitude.</p>
04/21 - Ongoing	<p>Rural Bridge Replacement Initiative Phase II (South), LA (440001338) Hydraulic Design Engineer. Bryan is serving as Waggoner's (formerly Sigma) supervising Hydraulic Design Engineer for the Phase II Rural Bridge Replacement Initiative. Hydrologic and hydraulic evaluations are being developed to provide a hydraulically suitable replacement for the existing bridge structures that have been designated for replacement under this program. All bridge hydraulic reports, data forms, and data tables are being prepared in accordance the current LADOTD Hydraulics manual and design directives.</p>
04/18 - Ongoing	<p>Belle Chasse Bridge and Tunnel Replacement Public-Private Partnership Project, Plaquemines and Jefferson Parishes, LA (H.004791) Lead Drainage Engineer. Waggoner (formerly Sigma) is providing the drainage design for this major highway improvement that is being designed and constructed under this alternative delivery method. Bryan is serving as the lead drainage engineer and is responsible for the coordination and proper consideration of the impacts that the large multi-jurisdictional pumped drainage outfall systems have on the project drainage system performance. Project drainage considerations include bridge deck scupper design conforming to FHWA HEC 21 requirements, and standard storm drainage piping and inlet design for associated local roadway improvements. The drainage system design must account for the final full build conditions but must also function during the various construction sequences with the addition of temporary systems.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
	Name	Joshua Renard, PE	Years of Relevant Experience with this Employer	19
	Title	Project Manager	Years of Relevant Experience with Other(s) Employers	1
	Degree(s)/Years/Specialization		BS/2006/Civil Engineering	
	Active Registration Number/State/Expiration Date		PE# 36015/LA/03-31-2027	
	Year Registered	2011	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage Discipline Lead - Subsurface Utility Engineering Services		
<p>Joshua will serve in a dual role on the road and drainage team as well as the Subsurface Utility Engineering (SUE) services team. He will perform topographic surveys with a focus on stationing and cross-sectioning of roadways and contribute to the detailed design of drainage systems. In his role as SUE Discipline Lead, Joshua will be responsible for identifying and documenting subsurface utilities, ensuring accurate location and mapping of all utilities within the project limits. He will coordinate with utility companies and integrate utility adjustments into preliminary and final design plans in full compliance with DOTD standards. Joshua brings extensive technical expertise in HEC-RAS, HYDRWIN, and PondPack software, supporting precise hydraulic and drainage modeling.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/16 - Ongoing SECTION 17 PROJECT	I-10: Highland to LA 73 Design-Build, East Baton Rouge and Ascension Parish, LA (H.009250) Utility Coordinator. Joshua served as the utility coordinator for this interstate design-build project. He communicated with and gathered information from utility owners to ensure that the road was designed and the contractor could proceed without conflict. Joshua coordinated efforts to have telecommunications, water, and gas lines marked in the field and then led efforts to have Level A test holes performed to ensure a successful no-conflict design.			
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) SUE Project Engineer. Joshua designed the utility duct bank plans to relocate critical existing and new fiber optic and electrical power infrastructure. This immediate relocation served necessary for the fast upcoming I-10 widening project from LA 415 through Essen Lane.			
10/12 - Ongoing SECTION 17 PROJECT	Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Project Manager. Joshua was the project manager for the four-lane road widening project in the city of Central. This two-mile rural road includes a new two-lane roundabout and accommodates pedestrians, bicyclists and vehicles. His responsibilities included roadway and drainage design, plan preparation, utility coordination, and SUE services including QL-B designations and QL-A locates.			
02/24 - Ongoing	Saline Bayou Relief & Mill Cr. Brs. Water Lines Locate & Design - SUE, Winn Parish, LA - Utility Coordination, QL-A through D Locates, and Relocation Plans Project Manager. Waggoner is locating existing water lines and preparing relocation plans for 3 bridge sites on LA 126 over Saline Bayou, Mill Creek and Cypress Creek in Winn Parish, LA. Josh obtained as-builts, and performed QL-B and QL-A SUE services at each site. He is the engineer of record for the utility relocation plans.			
2019 - Ongoing	MOVEBR Program - Lead Utility Coordinator, East Baton Rouge Parish, LA Joshua serves as the main point of contact for all utility companies on 50+ Enhancement Projects on the MOVEBR transportation, road, and traffic program. He is leading the effort to create the Utility Coordination Process and Design Guidelines for Designers- Utility Section. He will serve in this role during both the design and construction phase for the program. He will also utilize SUE services where appropriate to gain pertinent location information for design efforts. He will also work to ensure that relocations are successful and will resolve utility conflicts encountered during construction.			


Joshua Renard resume continued

2017 - 2018	<p>LA 675 and LA 87 Improvements - SUE Services, New Iberia, LA (H.011781) Project Manager. Joshua served as the project manager for this DOTD project, which included Level A through D underground utility location work as well as video inspection of sewer mainlines and laterals along a one-mile section of Hopkins Street in New Iberia, LA. Under his guidance, Waggoner (formerly Sigma) located utilities through Quality Level A-D. His responsibilities included coordination with utility companies and local government representatives to obtain as-built drawings, meeting with DOTD representatives, design engineers, surveyors, and subcontractors to coordinate the location work, providing valuable utility location information to the design team.</p>
2018 - 2019	<p>Subsurface Utility Engineering Causeway Blvd at Earhart, Jefferson Parish, LA Joshua managed this utility location project for DOTD. The primary goal of this project was to locate sewer, water, and fiber lines to provide DOTD's design team with sufficient information to adjust their design to miss the utilities or have the utilities relocated. Waggoner (formerly Sigma) located utilities through all Quality Levels. He coordinated with utility owners and Waggoner's locating crew to identify, locate, and mark the utilities, as well as coordinated with Waggoner's survey team to have the lines surveyed. Based on the location crew's fieldwork he helped develop a final plan set as well as a Utility Owner Contact List and a Utility Conflict Matrix for delivery to DOTD.</p>
2015 - 2017	<p>Jones Creek Road (Coursey to Tiger Bend), East Baton Rouge Parish, LA Joshua worked directly for the City of Baton Rouge resolving construction and utility related issues in a timely manner during the construction phase of this project. This included gravity and force main sewer installation, roadway drainage installation, concrete pours, traffic lane switching, and signage. He served as the main point of contact for all utility coordination efforts and successfully managed this charge through the completion of the project.</p>
2019	<p>Subsurface Utility Engineering I-220/I-20 Interchange & BAFB Access Design-Build, Bossier Parish, LA (H.003370) Joshua coordinated with multiple utilities affected by this project. He was able to obtain detailed information on the size, type and location of the utilities in conflict or potential conflict with construction activities. These included abandoned pipelines, active fiber optic lines, buried cables with unknown ownership, and multiple utilities within KCS Railroad ROW. Joshua then led the SUE team in obtaining level A location information for these utilities.</p>
2019	<p>Subsurface Utility Engineering Leesville Roundabout, Vernon Parish, LA (H.011909) Project Manager. Joshua served as the project manager for this DOTD project, which included Level A through D underground utility location at the intersection of Boone Street and US 171 in Leesville, LA. His responsibilities included coordination with utility companies and local government representatives to obtain as-built drawings, meeting with DOTD representatives, design engineers, surveyors, and subcontractors to coordinate the location work, providing valuable utility location information to the design team. He was also responsible for traffic control plan development, Level A field investigations, SUE plan development, and utility conflict matrix preparation.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Kelsie Bankston, PE		Years of Relevant Experience with this Employer	3
	Title	Project Engineer		Years of Relevant Experience with Other(s) Employers	4
	Degree(s)/Years/Specialization		BS/2018/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#47126/LA/03-31-2027		
	Year Registered	2022	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage			
<p>Kelsie is a licensed Professional Engineer with hands-on experience in roadway and drainage design, topographic survey interpretation, and bridge inspection support. Her background includes site visits, reporting, and plan development for bridge replacements and roadway improvements. For this contract, Kelsie will support the roadway design team, focusing on the collection and interpretation of topographic survey data including drainage structures, travel lanes, shoulders, and utility locations. She will assist in developing preliminary and final plans in full conformance with LADOTD's Roadway Design Procedures and Details Manual and the Off-System Highway Bridge Program requirements. Kelsie's field and design experience will help ensure the delivery of accurate, high-quality roadway plans that meet project scope and standards.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Project Engineer. Kelsie has assisted in the preparation of various submittals for this project. She has assisted in the typical section design, plan, and profile preparation, required ROW and roadway geometrics for various sections and stages of this project, and is responsible for the graphical grading and superelevation design of multiple ramps throughout the corridor. She is responsible for documenting and tracking information, documents, and comments received from LADOTD and other consultants on the design team. Kelsie has performed quantity calculations and prepared quantity tables for various submittal stages.				
2021 - 02/23 SECTION 17 PROJECT	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), East Baton Rouge Parish, LA (H.010652) Road Design Engineer. Kelsie was a road design engineer for this pavement preservation project. She was responsible for preparing the design report, geometric details, typical section, sidewalks, pay items, quantity computations, summary tables, and developing the opinion of probable costs. Waggoner was contracted by LADOTD to engineer the reconstruction of LA 73, covering full pavement replacement, curbs, gutters, and sidewalks from Airline Highway to the I-12 on-ramp, and repairs from the I-12 on-ramp to Essen Lane.				
10/20 - Ongoing	Rural Bridge Replacement Initiative, LA Project Engineer. Kelsie is managing and designing four bridge replacement projects included in this contract. This work includes assessing site conditions, deciding the structure type and size based on the hydraulics of the channel, and designing the roadway approaches. She is responsible for project management, roadway and slab span bridge design, construction plan preparation, quantity computations, and developing an opinion of probable costs.				
05/21 - 03/23	LA 352 Drainage Improvement, St. Martin Parish, LA (H.014415) Project Engineer. This project involves channel improvements and adding subsurface drainage systems to an outfall channel adjacent to LA 352. Kelsie is responsible for the typical sections, plan profiles, developing a suggested sequence of construction, diversion road design for maintenance of traffic, quantity computations, pay item list, and documentation of comments and responses.				


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Thomas Grass, PE		Years of Relevant Experience with this Employer	5
	Title	Senior Project Engineer		Years of Relevant Experience with Other(s) Employers	10
	Degree(s)/Years/Specialization		BS/2007/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#25464/MS/2026		
	Year Registered	2014	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage			
<p>Thomas will serve on the road and drainage team and will work closely on the detailed topographic surveys, focusing on stationing and cross-sectioning of roadways. He will be responsible for identifying and documenting drainage structures and any utilities that need adjustments during construction. Thomas' work will support the preparation of the preliminary and final plans, ensuring compliance with DOTD's standards. Thomas joined Waggoner in 2018, bringing ten years of experience in project management, 2D and 3D roadway design, traffic signal design, and bridge design. His expertise also includes commercial and passenger railroad design, traffic impact studies, roadway safety audits, and traffic planning and modeling. These projects have ranged from small projects with short deadlines to long-running, multi-disciplinary projects.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
04/19 - Ongoing	<p>Old Highway 80 Bridge Replacement, Meridian, Lauderdale County, MS Transportation Discipline Manager. Thomas served as the transportation discipline manager for this project. Built in 1926, the existing US 80 Bridge over Okatibbee Creek in Lauderdale County needed to be replaced. The old bridge was taken down and replaced with a new bridge that met Mississippi Office of State Aid Road Construction bridge standards. The project included environmental studies and permitting, surveying, hydraulic and hydrological analysis, bridge and roadway design, geotechnical engineering, utility coordination, and construction phase support services. Additional ROW and construction easements were acquired. The bridge's age and historical importance qualified it for nomination to the National Register of Historic Places, so Waggoner collaborated with the Mississippi Department of Archives and History to install a historical marker near the new bridge.</p>				
01/19 - 12/23	<p>Highland Commerce Drive, Ridgeland, Madison County, MS Transportation Discipline Manager. Thomas served as the transportation discipline manager for this project. Waggoner performed the professional engineering services required for the development of Phase A (Field Review plans) including utility relocation phase services, for the Highland Commerce Drive project. The project consists of upgrading 1.5 miles of existing road and an additional 1.5 miles of newly built roadway designed to handle large trucks and encourage development.</p>				
2/20 - Ongoing	<p>Reunion Parkway Phase 2, Madison County, MS Roadway Design, Subconsultant Management. Thomas's lead roles were roadway design and subconsultant management. This Phase A (Field Review plans) and Phase B (Final Construction plans) project crossed I-55 approximately two miles north of exit 108 and connects with Bozeman Road on the western side and Parkway East on the eastern side. The Reunion Parkway Phase 2 roadway will extend approximately 1.2 miles, including a bridge over I-55, and will include four travel lanes and a multi-use path (bikes and pedestrians). Services provided included design phases services, preparation of maps and deeds, and coordination of underground utility relocation.</p>				
08/16 - 1/24	<p>Riverside Drive Rehabilitation, Jackson, Hinds County, MS Lead Designer. Thomas served as the transportation discipline manager for this project. The project includes design and construction engineering services consisting of rehabilitation and improvements to Riverside Drive. Proposed improvements include geometric modifications to improve the typical section, pavement structure, and incorporate storm drainage improvements, utility relocation, pedestrian/bicyclist amenities, existing and proposed landscape related features, Americans with Disabilities Act (ADA) compliance, roadway signage, and public transportation nodes.</p>				


16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
	Name	Charlotte Gremillion, PE	Years of Relevant Experience with this Employer	5
	Title	Project Engineer	Years of Relevant Experience with Other(s) Employers	2
	Degree(s)/Years/Specialization	BS/2018/Civil Engineering		
	Active Registration Number/State/Expiration Date	PE#47930/LA/09-30-2027		
Year Registered	2023	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage		
<p>Charlotte will be part of the road and drainage team. She will conduct topographic surveys and will emphasize cross-sectioning roadways and ditches at various interval levels. Charlotte will be responsible for measuring guard rails, striping, and utilities, ensuring this information is meticulously recorded for use in the final design. Her role will be crucial in ensuring that the existing conditions are fully understood and reflected in the project plans. Charlotte is experienced with transportation and commercial projects, including road design, geometric design, and on-site work. She is trained and experienced in AutoCAD, Civil 3D, MicroStation, and GlobalMapper, which she uses for plan preparation and design.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/20 - Ongoing SECTION 17 PROJECT	<p>I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Lead Design Engineer. This project is to replace the urban interstate through downtown Baton Rouge under an alternative delivery process. Charlotte serves as a technical design engineer for urban freeways, grade separation interchanges, urban arterials, urban collectors, and local streets. She is the lead design engineer for roundabouts at the Dalrymple Drive Exit Ramp and Terrance Street at Braddock Street intersection. She prepares roadway design calculations, executes technical reviews, and prepares construction plans for several stages, phases, and segments of the project. She also performs quantity calculations and prepares quantity tables for various submittal stages. She is responsible for plan and profile preparation, cross sections, and roadway geometrics for various sections and stages of the project.</p>			
09/22 - Ongoing	<p>LA 1088: Sault and Trinity Roundabouts, St. Tammany Parish, LA (H.010116) Project Engineer. This project includes replacing two intersections and the connecting two-lane urban arterial with roundabouts and a four-lane boulevard section. Charlotte responsibilities include roadway geometrics, design reports, technical calculations, and plan development. She designed all typical sections through the addition of two new roundabouts. She identified and assessed the roadway design constraints in the area when deciding the location of the two roundabouts and roadway approaches. She connected the existing conditions to the new designs so that access would not be limited.</p>			
04/21 - Ongoing	<p>Rural Bridge Replacement Initiative, LA Project Engineer. Charlotte is in charge of managing a bridge replacement project included in this contract. This work includes assessing site conditions, deciding the structure type, and size based on the hydraulics of the channel, and designing the roadway approaches. She will be responsible for preparing the submittals for each of these bridges as well as submitting monthly progress reports.</p>			
10/20 - Ongoing	<p>I-10/I-12 College Flyover, East Baton Rouge Parish, LA (H.013897) Technical Review Engineer. This project includes design upgrades to a grade separation fully directional interchange of two interstates in Baton Rouge, LA. Charlotte serves as a technical review engineer for the owner verification team on the following design units: definitive design, clearing, and grubbing, roadway (multiple units), drainage, maintenance of traffic (multiple units), pavement marking and signing, SWPPP, and TMP Level 4. Her responsibilities include technical reviews of calculations and drawings for conformance to the minimum guidelines, project technical performance specifications, and contract documents. She manages all technical comments originating from her firm and take part in technical review meetings with the design-builder and owner.</p>			

16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Steve Gilliam, PE		Years of Relevant Experience with this Employer	1
	Title	Project Engineer		Years of Relevant Experience with Other(s) Employers	7
	Degree(s)/Years/Specialization		BS/2015/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#46515/LA/09-30-2026		
	Year Registered	2022	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage Bridge Hydraulics and Scour			
<p>As part of the road and drainage team, Steven will focus on the topographic surveys, particularly on the stationing of the project centerline and measuring cross-sections of the roadway. He will ensure that drainage structures, bridge hydraulic structure sizing and scour analysis, utilities, and other key features are accurately recorded and integrated into the final plans. Steve's attention to detail will ensure that the project designs align with the DOTD's requirements and reflect the existing site conditions. Steven brings a solid understanding of roadway and site planning design principles, as well as experience with surface water and utility engineering. He has provided engineering design for commercial and residential developments.</p>					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/20 - Ongoing SECTION 17 PROJECT	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR, East Baton Rouge and West Baton Rouge Parish, LA (H.004100) Project Engineer. Steven designed the proposed drainage systems for surface streets within the project corridor. This includes HydroWIN calcs for subsurface systems, drainage plan profiles, and design drainage maps.				
10/12 - Ongoing SECTION 17 PROJECT	Hooper Road Widening (LA 3037-LA37) Route LA 408, East Baton Rouge Parish, LA (H.009300) Project Engineer. Steven prepared the existing drainage map and designed the proposed drainage for this project. The design includes both open ditch and subsurface drainage streets. He prepared HEC-RAS models, HydroWIN calcs, drainage plan profiles, the drainage report, and both existing and design drainage maps.				
02/23 - Ongoing	Enterprise Boulevard Extension, Lake Charles, LA Design Engineer. Waggoner was retained by the City of Lake Charles to perform engineering, surveying, bidding assistance, and construction administration. The project consists of extending the existing four-lane boulevard section of Enterprise Boulevard northward on a new alignment from its current intersection at Katherine Street to an intersection on N. Goos Boulevard near Woodring Street, widening North Goos Boulevard northward to its intersection with Fitzenreiter Road, and widening Fitzenreiter Road eastward to its intersection with North Simmons Street. The project also includes the addition of a bike path to the Riverside Park Complex consistent with the City of Lake Charles Bicycle and Pedestrian Master Plan.				
03/22 - Ongoing	Nail Road Extension - Polk Lane to Center Hill Road, DeSoto County, MS Review Engineer. This project encompasses preliminary engineering design and bid documents for two miles of a new two-lane rural roadway, three-lanes at Polk and Center Hill for turn lanes, and five-lane earthwork on Nail Road from Polk Lane to Center Hill road.				
04/21 - 08/23	MoveBR Sherwood Forest Extension, Baton Rouge, LA Lead Designer. Steven's role included civil design, site grading, drainage design, and utility coordination. The project included a new two-lane highway, intersections, and wetland mitigation. (previous experience)				
01/19 - 02/20	Eagle Bend Subdivision, Livingston Parish, LA Lead Designer. For this 34-lot development, Steven's role included civil design, site grading, drainage design, and utility coordination for the subdivision. The project included a re-route of a minor drainage artery, required detention basin, and assuring streets and parking met Parish standards. (previous experience)				

16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Andrew Windmann, PE		Years of Relevant Experience with this Employer	2
	Title	Senior Bridge Design Engineer		Years of Relevant Experience with Other(s) Employers	13
	Degree(s)/Years/Specialization		BS/2010/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#39042/LA/09-30-26		
	Year Registered	2014	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Discipline Lead - Bridge Construction Support			

Andrew is a **licensed civil engineer** with more than **15 years of experience in bridge design**, including 13 years with LADOTD. As Assistant Bridge Design Administrator for LADOTD (2021-2023), he **managed a \$240 million statewide bridge program**, directing planning and design for rehabilitation and replacement projects in accordance with **DOTD standards and QA/QC procedures**. For this IDIQ Design Services contract, Andrew will guide **bridge design, hydraulic coordination, survey integration, and construction support services**, ensuring all task orders are completed in compliance with **DOTD manuals, procedures**, and electronic deliverable standards. His extensive LADOTD experience and knowledge of District 61 bridge priorities position him to support efficient and responsive project delivery.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

02-16 - Ongoing **SECTION 17 PROJECT**
Pecue Lane/I-10 Interchange - Phase III, East Baton Rouge Parish, LA (H.003047) Bridge Designer. Andrew is performing bridge design for this project. East Baton Rouge Parish with assistance from LADOTD and the Federal Highway Administration (FHWA) is developing preliminary and final engineering plans for the construction of a diverging diamond interchange with multiple through and turn lanes on Pecue Lane, an entrance ramp and exit ramp on eastbound I-10, an entrance ramp and exit ramp on westbound I-10, replacing the current two lane overpass bridge, replacing the Pecue Lane/Wards Creek Bridge.

03/13 - 12/19
I-10: I-49 E. Junction to LA 328 Widening Project, Lafayette, LA Lead Bridge Design Engineer. Andrew led the bridge design on this project that included the widening or full replacement of 12 bridge structures (six unique sites) along the I-10 mainline. The scope of this project included the initial assessment of each bridge to provide recommendation on widening versus replacement, while factoring in current condition, load-carrying capacity, and feasibility of construction. During Stage 3 of the project, Andrew led the structural team, ensuring the design were performed with great quality following LADOTD's QC/QA plan.

04/21 - Ongoing
Rural Bridge Replacement Initiative Phase II (South), LA (16 Projects) (440001338), Various Locations, LA Project Manager. Andrew was the project manager for this project. Waggoner is leading engineering design and coordination for the replacement of 29 state highway bridges across five LADOTD districts, organized into 16 concurrent projects. The team is responsible for preliminary and final roadway and bridge design, drainage and structural engineering (including reinforced concrete components and prestressed girders), ROW determination, and environmental coordination for NEPA compliance. Waggoner collaborates with subconsultants and maintains regular client communication to ensure timely submittals and effective project alignment.


2010 - 2023
LADOTD Bridge Design Section (Prior Firm) Engineer Intern to Assistant Bridge Design Administrator, 2010-2023). Prior to joining Waggoner (Sigma), Andrew worked in the Bridge Design section at LADOTD for 13.5 years. Andrew gained a breadth and depth of organizational, procedural, and state-specific knowledge of LADOTD's design requirements, including internal policies, preferences, and intimate knowledge of the current standard plans. Immediately prior to joining Waggoner (Sigma), Andrew served as the state-wide Bridge Preservation program manager whose responsibility it was to understand the overall health of the over 7,000-bridge inventory as well as program bridge replacement, rehabilitation, and repair projects over a rolling eight-year program to spend an annual budget of \$240 million. He has a unique understanding of the Department's need for practical design and getting the most efficient bridge replacements completed to get the most use of the insufficient funds received for bridge preservation across the state.



Andrew Windmann resume continued

06/23 - Ongoing	<p>Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Bridge Design. Waggoner was contracted by the East Baton Rouge Parish Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Rd intersection to a new terminus point on Airline Highway. The project includes a two-mile four-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and ROW mapping, and stormwater detention ponds to control outfall channel levels.</p>
2011-2013	<p>Cross Bayou and Relief Bridges, Caddo, LA (H.000102) Bridge Designer. Andrew served as a designer on this project that included the replacement of the two existing concrete deck girder bridges with chorded AASHTO Type III PPC girders on reinforced concrete pile bents. These new bridges were constructed on new projected and adopted alignments to smooth out the existing substandard roadway geometry. Andrew performed all structural calculations, detailing, and quantity accumulation along with preparing construction cost estimates at each progressing milestone. He also provided construction-related engineering services throughout construction which included responding to contractor RFIs and contractor proposals, as well as reviewing required contractor submittals (i.e. working drawings and proposals)</p>
06/17 - 10/23	<p>LA 20: Bayou Chevreuil Bridge, St. James, LA (H.009481) Project Manager. Andrew served as the project manager and provided review of the bridge design on this project that included the replacement of a functionally obsolete and geometrically substandard 28'x350' concrete girder bridge with a 40'x835' LG girder bridge with slab span approaches. The replacement bridge was significantly lengthened to provide adequate sight distance traversing the vertical curve and was wider to provide additional space for the rural farm and hauling vehicles that used this highway. As project manager, Andrew ensured the project met scope, schedule, and budgetary needs while coordinating with local governmental interests and a boat launch on site. As the bridge design reviewer, Andrew ensured that the bridge plans were created and checked in conformance with all QC/QA policy requirements and provided comments towards the constructability of the proposed new structure.</p>
02/24 - Ongoing	<p>BREC Scotlandville Parkway Bridge Replacements, East Baton Rouge Parish, LA Project Manager. Andrew is the project manager and bridge engineer for designing three new bridge structures for pedestrian and small vehicle traffic. He is responsible for bridge design, geotechnical subconsultant management, construction and demolition plan development, site plans, quantities, construction cost estimates, and channel protection.</p>

16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Joshua Gonya, PE		Years of Relevant Experience with this Employer	2
	Title	Senior Bridge Design Engineer		Years of Relevant Experience with Other(s) Employers	15
	Degree(s)/Years/Specialization		BS/2008/Civil Engineering/Structures		
	Active Registration Number/State/Expiration Date		PE#40859/LA/09-30-2026		
	Year Registered	2016	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Bridge			
<p>Joshua has extensive experience in bridge design, rehabilitation, replacement, widening, culvert design, and load rating analysis. He is a NHI Certified Bridge Inspector, NHI Certified Fracture Critical Inspector, and S-BRITE Certified in Steel Fatigue Inspection, bringing strong inspection and evaluation expertise to support both design and construction phases. As part of this IDIQ Design Services contract, Joshua will contribute to bridge design services, including the development of economical and constructible designs that align with LADOTD standards and project requirements. His ability to balance safety, durability, and cost-effectiveness ensures that deliverables meet project goals while maintaining budget efficiency.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
02/16 - Ongoing SECTION 17 PROJECT	<p>Pecue Lane/I-10 Interchange - Phase III, East Baton Rouge Parish, LA Designer. The design involves widening under traffic conditions. Josh is responsible for ensuring that the design matches the existing structure type but updates to meet the current AASHTO LRFD Bridge Design manual and design criteria. His contributions are key in Waggoner's project scope, which includes replacing a slab span structure over Ward's Creek along the local roadway south of the proposed interchange structure. Joshua also oversees the coordination of traffic flow during construction, ensuring minimal disruption while maintaining safety standards and compliance with environmental regulations.</p>				
09/13 - 08/17	<p>Load Rating and Posting of On-System Bridges, LADOTD, Statewide, LA Lead Load Rating Engineer. Joshua was the lead load rating engineer for this project. He was responsible for developing LRFR load rating procedures using AASHTOware BrR for superstructures, and LEAP RC Pier for substructures while working closely with LADOTD personnel. All structures were rated per AASHTO MBE utilizing LADOTD guidelines. Procedures were coordinated with LADOTD to assist in the further refinement of LADOTD BDEM Volume 5 Chapter 6 on load ratings. This project covered a wide variety of bridge superstructure types including: timber, reinforced concrete girders and slabs, prestressed concrete girders, steel trusses, steel plate girders, and steel rolled beams as well as various substructure types.</p>				
05/14 - 05/15	<p>Essen Lane over Wards Creek Bridge Widening, LADOTD, Baton Rouge, LA Bridge Design Engineer. Joshua was responsible for initial bridge evaluations and widening of the existing Essen Lane bridge over Wards creek. This project involved utility relocations, extending and matching existing substructures, extending, and matching existing slab span bridge elements. The bridge was evaluated in all temporary structural layouts with temporary traffic conditions.</p>				
05/16 - 12/16	<p>US 82 over Mississippi River In-Depth Bridge Inspection and Load Rating, MDOT, Greenville, MS Field Team Leader and Load Rater. Joshua served as a field team leader and load rater for the in-depth inspection, fracture critical, and element level inspection of the US 82 over the Mississippi river bridge. This project consisted of collecting field data utilizing National Bridge Elements, fracture critical elements, and in-depth hands-on SPRAT access inspectors of 112 stay cables. The findings were used to develop an overall bridge report and load rating.</p>				

Joshua Gonya resume continued

05/18 - 05/20	<p>Worthsville Road over Tracy Ditch Bridge Replacement - Greenwood, Greenwood, IN Project Manager and Lead Designer. Joshua was the project manager and lead designer. He completed the design of a 72'-6" singlespan, Hybrid Bulb-Tee Beam bridge to replace the existing three-sided culvert over Tracy Ditch. Bridge Hydraulic design was completed to size the bridge and provide Q100 roadway serviceability. The bridge was designed to accommodate phased construction so that one lane of traffic could be maintained in each direction during construction. The end bents and bridge piling were spaced and designed to span an existing sanitary force main that could not be relocated. The bridge cross section includes four travel lanes, striped median, two raised sidewalks, and bridge railing. (previous experience)</p>
05/19 - 08/20	<p>SR 15 over Eagle Creek Bridge Replacement, Kosciusko County, INDOT, Kosciusko County, IN Project Manager and Lead Designer. Joshua was the project manager and lead designer. He completed the design of a custom three-span slab superstructure supported by integral end bents and interior open pile bents found on steel shell piles. Hydraulic design and site visits concluded that drift and debris are a major factor for Eagle creek and the open pile bents were used in order to minimize the amount of drift present at the structure. The bridge was designed to accommodate phased construction so that one lane of heavy truck traffic could be maintained at all times during construction. This bridge was in an urban area and required a large effort for utility coordination and local business coordination. (previous experience)</p>
08/18 - 07/19	<p>SR 3 over Willow Creek Rehabilitation, INDOT, Allen County, IN Project Manager. Joshua was the project manager and was responsible for the inspection, assessment, and rehabilitation recommendations of this project. After infield condition assessments he recommended that the project consist of fiber wrapping substructure elements, patching, overlaying the bridge deck, adding channel protection, and traffic management plans. (previous experience)</p>
08/18 - 07/19	<p>SR 101 over Hamm Ditch Rehabilitation, INDOT, Allen County, IN Project Manager. Joshua was the project manager and he was responsible for the inspection, assessment, and rehabilitation recommendations of this project. After in field condition assessments he recommended that the project consist of deck and coping replacement, patching of the super and sub structures, railing replacement, approach slab replacement, and reconstruction of the roadway to provide a smooth transition over the limits of the project. (previous experience)</p>
08/17 - 09/22	<p>Central Office Load Rating Contract, INDOT, Statewide, IN Project Manager and Lead Load Rating Designer. Joshua oversaw the rating of 300+ bridges throughout the state of Indiana. Some notable ratings include curved post-tensioned segmental, curved steel continuous girder, cold bent steel boxes, steel trusses, precast arches underfill, steel beam bridges, slab spans, and typical continuous prestressed beam bridges. Joshua also provided support in the rating of many steel bridges inaccurately not rating, specifically assisting with the issue of Lateral Torsional Buckling in the negative moment region for a steel girder bridge. These ratings included new design ratings and added deterioration ratings as well as specific investigations and overrides of the preferred rating software (AASHTOware BrR). (previous experience)</p>

16. STAFF EXPERIENCE:



Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)

Name	Joshua Olivier, PE	Years of Relevant Experience with this Employer	7
Title	Project Engineer	Years of Relevant Experience with Other(s) Employers	0
Degree(s)/Years/Specialization	BS/2017/Civil Engineering		
Active Registration Number/State/Expiration Date	PE#46498/LA/9-30-26		
Year Registered	2022	Discipline	Civil Engineering

Contract Role(s)/Brief Description of Responsibilities

Bridge

Joshua is a licensed Professional Engineer with experience in **bridge and structural design, geometric roadway design, and transportation-related studies**. He supports the preparation of **structural analyses, detailed drafting, and design calculations** that contribute to **safe and efficient bridge construction**. Skilled in AutoCAD, Civil 3D, and LEAP Bridge Concrete, Joshua applies these tools to plan development, structural modeling, and design documentation. As part of this IDIQ Design Services contract, Joshua will assist the **bridge discipline team** with design calculations, plan preparation, and structural detailing to ensure conformance with **LADOTD and AASHTO standards**. Working in collaboration with senior engineers, he will support QA/QC efforts and help maintain structural integrity, accuracy, and compliance across assigned task orders.


Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

02/16 - Ongoing SECTION 17 PROJECT	Pecue Lane/I-10 Interchange, East Baton Rouge Parish, LA (H.003047) Project Engineer. Joshua is serving as project engineer for this project. This project consists of the design of an interchange with multiple through and turn lanes on Pecue Lane, an entrance ramp and exit ramp on eastbound I-10, an entrance and exit ramp on westbound I-10, replacing the current Pecue Lane slab span bridge over Wards Creek, and widening the I-10 girder bridge over Wards Creek. Joshua was responsible for the superstructure and substructure design of the I-10 East bound and West bound bridge widening as well as the checking of the Pecue Lane slab span superstructure and substructure design. He also assisted with the load rating of all structures. Additionally, Joshua performed shop drawing review as the project entered construction.
2018 - Ongoing	LA 3213 Gramercy Bridge Approach (Westbank), St. John the Baptist Parish, LA (H.002960) Project Engineer. Joshua was project engineer for this project, providing bridge and structural design services. This project consists of constructing a new overpass along the existing horizontal alignment on LA 3213 to create a grade separation over the existing Union Pacific railroad tracks while remaining inside the existing ROW and includes the design of an on-site diversion to route traffic around the construction zone. Joshua performed the final structural design for all superstructure and substructure components. All design was performed with the AASHTO L.R.F.D. guidelines and LADOTD's Bridge Design and Evaluation Manual. This project utilized the newly developed "LG" prestressed concrete girders.
06/23 - Ongoing	Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Project Engineer. Joshua is serving as project engineer for this project. Waggoner was contracted by the East Baton Rouge Parish Department of Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Road intersection to a new terminus point on Airline Highway. The project includes a two-mile four-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and ROW mapping, and stormwater detention ponds to control outfall channel levels.
01/18 - 06/20	I-10 Widening, LA30 - LA22, Ascension Parish, LA Project Engineer. Joshua was project engineer for this project, providing bridge and structural design services. This project involves the widening of a five-mile segment of I-10, including two girder bridge structures and one slab span structure as well as the replacement of the LA 941 bridge structure. Joshua was responsible for checking the longitudinal reinforcing design of the slab span bridge as well as the reinforcement of the new LA 941 bridge. He was also responsible for a preliminary bridge quantity estimate for the LA 941 overpass.

Joshua Olivier resume continued

10/12 - Ongoing	<p>Hooper Road Widening (LA 408), East Baton Rouge Parish, LA Project Engineer. Joshua is serving as project engineer for this project, providing bridge and structural design services. This project is for the widening of an existing two-lane roadway to a four-lane boulevard to increase capacity. The project began with an Environmental Assessment (EA) and National Environmental Policy Act (NEPA) environmental documentation.</p>
01/18 - 05/20	<p>I-10 Corridor Improvements (LA 415 to Essen Lane) EA, West & East Baton Rouge Parishes, LA Project Engineer. Joshua assisted in the development of the proposed vertical profiles for the Perkins Drive through Acadian Thoroughway section of the corridor. He was responsible for the identification of critical points of clearance along this region and the corresponding impacts to the design Profile Grade Line. He was also responsible for developing construction sequencing for the removal of the straddle bent over the Kansas City Rail Road overpass.</p>
2014 - Ongoing	<p>Ambassador Caffery & US 90 I/C (Future I-49), Lafayette, LA (H.002868) Project Engineer. Joshua is serving as project engineer for this project. This project entails construction of a new fully access controlled grade-separated interchange at the intersection of Ambassador Caffery Parkway (LA 3073) and US 90 (future I-49 South) in Lafayette Parish. Joshua assisted with checking the superstructure and column bent substructure design. This project utilized the newly developed "LG" prestressed concrete girders. Additionally, Joshua performed shop drawing review as the project entered construction.</p>
01/18 - 06/20	<p>I-10: Highland to LA 73 Design-Build Project, E. Baton Rouge and Ascension Parish, LA (H.009250) Project Engineer. The project includes widening I-10 for 6.6 miles to three-lanes in each direction from the Highland Road Interchange to the LA73 Interchange. The I-10 bridges over Highland Road and approaching roadway are being replaced with a new structure and profile grade. Joshua assisted in the drainage design and was responsible for checking the graphical grade design for the mainline and ramps. Additionally, he prepared details for the size and placement of several overhead exit signs along the route. During construction, he revised the lane shift stations to accommodate unanticipated site-specific limitations.</p>
06/19 - Ongoing	<p>I-220/I-20 Interchange Improvements and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Project Engineer. The project consists of constructing a new four-lane rural arterial extending from the existing I-220 terminus north of I-20 southward to a terminus within Barksdale Air Force Base. This includes an elevated section which will cross the Kansas City Southern Railway (KCS RR). Joshua reviewed the horizontal and vertical geometric design and calculations for compliance with LA DOTD and AASHTO Green Book guidelines.</p>
06/19 - Ongoing	<p>Belle Chasse Bridge and Tunnel Replacement, Plaquemines/Jefferson Parish, LA: Project Engineer. This project consists of constructing a new bridge crossing the Intracoastal Waterway to replace the existing tunnel and vertical lift bridge. Joshua created the existing and design drainage maps, checked calculations for open ditch and subsurface drainage systems, and calculated roadway stormwater spread impacts. He also reviewed and recommended shop drawings for approval for proposed drainage structures such as inlets, catch basins, and manholes during construction.</p>
09/15 - Ongoing	<p>I-49 South: US 90 and Ambassador Caffery Interchange, Lafayette Parish, (H.002868) Project Engineer. This new interchange will be constructed on future I-49 at Ambassador Caffery Parkway interchange in Lafayette, LA. Joshua was responsible for checking the final drainage design for the six major cross drains proposed in the project. Joshua was also responsible for checking column quantities for the bridge plans.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: APS Engineering and Testing, LLC				
	Name	Sergio Aviles, PE, M. ASCE		Years of Relevant Experience with this Employer	14
	Title	President/Geotechnical Manager		Years of Relevant Experience with Other(s) Employers	10
	Degree(s)/Years/Specialization		BS/2001/Civil Engineering/Geotechnical Engineering		
	Active Registration Number/State/Expiration Date		PE#33571/LA/3-31-2026		
	Year Registered	2007	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Discipline Lead - Geotechnical			
<p>Sergio Aviles is the President and Geotechnical Manager of APS Engineering and Testing, LLC with more than 14 years of experience leading geotechnical engineering, laboratory testing, and materials testing projects statewide. His expertise includes slope stability analysis, embankment settlement calculations, mechanically stabilized earth (MSE) wall design, pile design, sheet pile design, pile integrity testing, and Pile Dynamic Analyzer (PDA) testing. As Geotechnical Discipline Lead for this IDIQ Design Services contract, Sergio will oversee all geotechnical engineering services, ensuring deliverables meet LADOTD specifications, QA/QC requirements, and project schedules. His portfolio includes the design and construction supervision of complex infrastructure projects across Louisiana, where he has consistently delivered technically accurate and compliant solutions that support safe, cost-effective, and efficient project delivery.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/19 - Ongoing	<p>I-10 LA 415 to Essen Lane on I-10 and I-12 (H.0041005.5 and .6) The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. APS 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. Sergio 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 LADOTD specifications, QA/QC protocols, and schedule adherence.</p>				
06/20 - 04/23	<p>Rural Bridge Replacement Initiative Phase I The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Sergio 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.</p>				

Sergio Aviles resume continued

03/19 - 05/25	<p>US 190: LA 437 to US 190 BUS (H.001344) APS was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, APS 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. APS also provided PDA instrumentation, testing, and CAPWAP analysis. Sergio served as Geotechnical Manager for the investigation and design team. He provided direct oversight of field operations, laboratory analysis, and engineering deliverables, ensuring technical accuracy, and timely completion across all phases of the project. overseeing every phase of the project with hands-on leadership to ensure technical excellence and on-time delivery.</p>
01/22 - 05/24 SECTION 17 PROJECT	<p>Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge (H.001352.6 and H.002273.5) APS was selected as part of the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. APS performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Sergio served as Geotechnical Manager for the Geotechnical Investigations and Design Team, overseeing all phases of exploration, analysis, and reporting.</p>
09/21 - 05/24	<p>Port Hudson-Pride Road (LA-964 - LA-19) The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Sergio 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.</p>
11/19 - 12/23	<p>US 90 Railroad Overpass SE of LA 85 (H.010155) APS 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. Sergio 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.</p>
03/21 - 11/22	<p>Nicholson Drive Segment 2 (Bluebonnet Blvd-Ben Hur Rd.) The scope included a comprehensive geotechnical investigation to support foundation recommendations for proposed pavement rehabilitation and new bridge construction. A total of 32 borings were drilled and tested to characterize subsurface conditions and develop geotechnical design parameters for the City of Baton Rouge. Sergio served as Geotechnical Manager for the Geotechnical Investigations and Design Team, providing hands-on leadership and technical oversight throughout all phases of the project to ensure accuracy, quality, and timely delivery.</p>
03/15 - 04/15	<p>Holly Drive Bridge Replacement- St. Tammany Parish, LA The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. APS performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch, and 24-inches, roadway design, and culvert design. Sergio 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.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: APS Engineering and Testing, LLC				
	Name	Sairam (Sai) Eddanapudi, PE		Years of Relevant Experience with this Employer	14
	Title	Chief Geotechnical Engineer		Years of Relevant Experience with Other(s) Employers	9
	Degree(s)/Years/Specialization		MS/2002/Civil Engineering BS/1999/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#0035129/LA/3-31-2026		
	Year Registered	2009	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Geotechnical			
<p>Sairam "Sai" Eddanapudi is the Chief Engineer at APS with more than 23 years of experience in geotechnical and civil engineering. He specializes in advanced geotechnical laboratory testing, quality assurance, and personnel training, ensuring all testing meets LADOTD, ASTM, and AASHTO standards. Sai holds a Master of Science in Civil Engineering from Lamar University and a Bachelor of Technology in Civil Engineering from India (1999). At APS, Sai provides quality assurance oversight for all geotechnical laboratory operations, including training staff, managing Geosystems data integration, and maintaining testing equipment calibration to guarantee reliable results. His professional design experience includes roadways, bridges, levees, T-walls, and both shallow and deep foundation systems, supported by extensive field expertise in auger cast piles, drilled shafts, soil, and concrete quality control inspections. Sai is proficient in a wide range of engineering and geotechnical analysis software, including Slope/W, Seep/W, DRIVEN, CWALSHT, FS004, and AASHTO pavement design tools, which he applies to slope stability, seepage, settlement, and foundation analysis. His combination of technical expertise, laboratory leadership, and commitment to QA/QC ensures that APS delivers accurate, dependable, and timely geotechnical data in support of LADOTD project success.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/19 - Ongoing	<p>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12</p> <p>The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. APS 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. Sai serves as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data. His leadership ensured conformance with DOT specifications, QA/QC protocols, and schedule adherence.</p>				
06/20 - 04/23	<p>Rural Bridge Replacement Initiative Phase I</p> <p>The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.</p>				

Sergio Aviles resume continued

03/19 - 05/25	<p>US 190: LA 437 to US 190 BUS (H.001344) APS was selected with the winning team for the Geotechnical Investigation and Design of the proposed new bridge. A total of 19 deep borings were drilled and tested for foundation recommendations. The scope also includes conducting testing on the subsurface, base and concrete placement at the site to enable an evaluation of an acceptable standard for the proposed structures. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.</p>
01/22 - 05/24 SECTION 17 PROJECT	<p>Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge (H.001352.6 and H.002273.5) APS was selected as part of the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. APS performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.</p>
09/21 - 05/24	<p>Port Hudson-Pride Road (LA-964 - LA-19) The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Sai i served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.</p>
11/19 - 12/23	<p>US 90 Railroad Overpass SE of LA 85 (H.010155) APS was selected with the winning team for the Geotechnical Investigation and Design for the proposed new overpass. A total of 12 deep borings were drilled and tested for Geotechnical recommendations. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.</p>
03/15 - 04/15	<p>Holly Drive Bridge Replacement, St. Tammany Parish The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. APS performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Sai served as Chief Engineer for the Project Design Team, providing technical Design leadership and managing quality assurance for all laboratory testing to ensure accuracy, compliance, and reliability of geotechnical data.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: APS Engineering and Testing, LLC				
	Name	Surendra Pathak, PE		Years of Relevant Experience with this Employer	11
	Title	Senior Project Engineer		Years of Relevant Experience with Other(s) Employers	10
	Degree(s)/Years/Specialization		MS/2013/Civil Engineering BS/1998/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#43487/LA/09-30-2025		
	Year Registered	2019	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Geotechnical			
<p>Surendra is a Senior Supervisor Engineer at APS Engineering and Testing, LLC with more than 21 years of experience in geotechnical engineering. His expertise includes Pile Driving Analyzer (PDA) testing, field quality control, and the geotechnical design of roadways, bridges, levees, and T-walls. He holds dual Master of Science degrees in Civil Engineering from Mississippi State University (2013) and the Norwegian University of Science and Technology (2007), along with a Bachelor of Engineering in Civil Engineering from Madan Mohan Malaviya University of Technology, India (1998). Surendra's technical background spans the design and analysis of shallow and deep foundation systems, along with extensive field leadership in auger cast piles, drilled shafts, soil and concrete testing, and PDA operations for driven pile testing. In his role at APS, he oversees data collection, real-time analysis, and coordination with project engineers to establish pile driving criteria. His combination of technical expertise and field leadership ensures all geotechnical services and construction activities are performed in full compliance with DOTD specifications, supporting the successful delivery of District 61 task orders.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/19 - Ongoing	<p>Project No. H.0041005.5 and .6: I-10 LA415 to Essen Lane on I-10 and I-12 The Geotechnical Investigation comprised the advancement of 77 deep borings along the project alignment, spanning from the Washington Street Exit to the LSU Lakes. APS performed 16 over-water borings utilizing barge-mounted drilling platforms and 61 land-based borings using truck-mounted rigs. Subsurface characterization included Standard Penetration Testing (SPT), Shelby tube sampling, 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. Surendra serves 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.</p>				
06/20-04/23	<p>Rural Bridge Replacement Initiative Phase I The scope included geotechnical investigation and design for the replacement of 60 bridge structures along the LA state highway system. Geotechnical Investigation consisted of drilling, laboratory testing, soil classification, and site characterization. Engineering analysis included slope stability analysis (when applicable) and pile capacity analysis for foundations to support the new bridge structures. Surendra served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.</p>				
03/19-05/25	<p>Project No. H.001344 US 190: LA 437 to US 190 BUS APS was selected as part of the winning team for the Geotechnical Investigation and Design of the proposed new bridge. The scope of work included the drilling and testing of 19 deep borings to support bridge foundation design recommendations. In addition to deep foundation investigations, APS 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. APS also provided PDA instrumentation, testing, and CAPWAP analysis. Surendra 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.</p>				

Sergio Aviles resume continued

<p>01/22-05/24</p> <p>SECTION 17 PROJECT</p>	<p>Project No. H.001352.6 and H.002273.5: Comite River Diversion Bridge at LA 67, LA 19, and LA 19 RR Bridge APS was selected as part of the winning team for the Design of the Diversion CMAR project. APS performed the Geotechnical Investigation and Design for the project. The scope also included testing of subsurface soils, base materials, and concrete placement areas to evaluate compliance with design standards for the proposed roadway and bridge structures. APS performed four Pile Driving Analyzer (PDA) tests during construction monitoring to assess pile performance and verify installation criteria. Surendra 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.</p>
<p>09/21-05/24</p>	<p>Port Hudson-Pride Road (LA-964 - LA-19) The scope included Geotechnical Investigation to enable an evaluation of an acceptable foundation for the proposed pavement rehabilitation and new bridge. A total of 26 borings were drilled and tested for Geotechnical recommendations for the City of Baton Rouge. Surendra 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.</p>
<p>11/19-12/23</p>	<p>Project No. H.010155: US 90 Railroad Overpass SE of LA 85 APS 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. Surendra served as the Senior Supervisor Engineer on the Project Design Team, providing foundation design expertise.</p>
<p>03/15-04/15</p>	<p>Holly Drive Bridge Replacement- St. Tammany Parish The scope included Geotechnical Investigation for the replacement of a bridge structure in Covington, Louisiana. APS performed piles vertical resistance analyses for square PPC piles with sizes ranging 16-inch, 18-inch and 24-inches, roadway design, and culvert design. Surendra 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.</p>

16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC			
	Name	Sheelagh Brin Ferlito, PE, PTOE	Years of Relevant Experience with this Employer	10
	Title	Supervisor - Eng	Years of Relevant Experience with Other(s) Employers	27
	Degree(s)/Years/Specialization		BS/1988/Civil Engineer	
	Active Registration Number/State/Expiration Date		PE#25383/LA/09-30-25	
	Year Registered	1993	Discipline	Civil Engineering

Contract Role(s)/Brief Description of Responsibilities **Discipline Lead - Traffic**

Brin has **extensive experience in traffic engineering and operations**. As Traffic Discipline Lead for this IDIQ Design Services contract, she will oversee all **traffic engineering components of task orders**, including **traffic analyses, operational evaluations, and safety reviews**. Brin will direct the development of traffic control plans, ensuring compliance with LADOTD’s Traffic Engineering Manual, Traffic Signal Manual, and Work Zone Safety training requirements. She will coordinate with the roadway and bridge design teams to **integrate traffic management solutions** that prioritize safety, efficiency, and constructability. In addition, she will provide leadership, QA/QC oversight, and **technical guidance to the traffic team**, supporting timely, high-quality, and compliant deliverables for District 61 projects.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

07/21 - Ongoing **EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA (H.007160)**
Task Leader. Brin is the task leader for Vectura for the Construction Engineering and Inspection of 24 traffic signals. Brin oversaw the review of signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Brin and Reece, with the DOTD, City-Parish, and the Contractor conducted field visits to confirm pole foundation locations.

07/19 - Ongoing **MOVEBR New Capacity Projects Program Management, Baton Rouge, LA**
Lead Traffic Engineer. Brin is the lead traffic engineer for entire the New Capacity Projects program management team. All traffic engineering scope of services, traffic/speed data collection, traffic design studies, safety studies, and traffic signal design plans are reviewed by Brin. She is in constant communication with the Traffic Engineering staff of LADOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.

07/19 - Ongoing **LADOTD Belle Chasse Bridge & Tunnel Replacement PPP, Belle Chasse, LA (H.004791)**
Project Manager. Brin is the project manager for the temporary and permanent traffic signal plans for the intersections of LA 23 at Burmaster Street and at Engineers Road. She based her traffic signal plans on design year volumes that were developed using growth rates from the New Orleans Regional Planning Commission Travel Demand Model. This project is the first ever Public-Private-Partnership performed by LADOTD.

09/20 - 12/21 **LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA (H.010960.5)**
Project Manager. Brin is the project manager for the design of temporary traffic signal plans that will be implemented during the roundabout construction along LA 30 in Gonzales, LA. The project involves replacing three existing signalized intersections with multi-lane roundabouts along LA 30 at I-10 Interchange ramps and at Tanger Boulevard. Vectura also developed signal timing plans for each phase of the construction to maintain progression along LA 30.


07/18 - 04/19 **LA 1 Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Design, West Baton Rouge Parish, Addis, LA**
 Brin developed a Pedestrian Crosswalk Study and Traffic Signal Construction Plans for the intersection of LA 1 at LA 990 in Addis, LA. The study was based on LADOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on LADOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses, and progression analyses. The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, LADOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the LADOTD Permit Request for Intersection Control Devices on a State ROW.



Sheelagh Brin Ferlito resume continued

09/17 - 04/18	<p>US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Equipment Design, Slidell, LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on LADOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data, and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.</p>
08/15 - 05/17	<p>Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission, Rockville, MD) Brin conducted an applied research study of US Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over eight hours, highway and intersection lane geometry using links and connectors, conflict areas, traffic signal, and stop control and speed. Brin also developed Dynamic Traffic Assignment code to simulate that fastest route out of the evacuated zone.</p>
04/14 - 12/14	<p>Signal Design for N. Sherwood Forest Drive Widening Project, Baton Rouge, LA (H.002301) Project Manager. As the project engineer, Brin was in responsible charge for data collection and design for three signalized intersections as part of a road widening project as per EBR DPW and DOTD requirements. BRin developed the traffic signal equipment, signal timing and communication construction plans, special provision specifications, quantities, and cost estimate. She also performed tasks to develop the striping plans and sequence of construction plans which included temporary signal equipment placement due to lane shifts during construction.</p>
07/12 - 03/14	<p>EBR 03-TS-CI-0026 CE&I/OV for EBR Traffic Signal Systems Jefferson Highway Construction, Baton Rouge, LA Project Resident Engineer. Brin was the Project Resident Engineer on behalf of EBR for performing CE&I/OV services for the construction of 11 traffic signals. She maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, and developed change orders and monthly contractor pay estimates. She also coordinated with LADOTD ITS division for fiber splicing into interstate I-12 fiber backbone and ATM/EOC building. She processed all monthly tasks in EBR formats as well as well as all items on the EBR project closeout checklist.</p>
07/08 - 09/09	<p>SPN 013-05-0043 CE&I/OV for EBR Traffic Signal Systems Phase IV Construction, Baton Rouge, LA Project Resident Engineer. Brin was the Project Resident Engineer for LADOTD and East Baton Rouge (EBR) to perform CE&I/OV services for the construction of 21 traffic signals. She developed the project Sample Plan, maintained records of the contractor's daily operations, coordinated significant events that affected construction progress including utility issues, reviewed shop drawings, conducted monthly progress meetings, recorded daily installed quantities, coordinated concrete sampling for LADOTD Materials Lab, and developed change orders and monthly contractor pay estimates. She also coordinated with LADOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM/EOC building. She processed all monthly tasks electronically in LADOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.</p>
09/13 - 04/14	<p>S.P. 700-99-0477 Jefferson Highway Signal Design, Baton Rouge, LA Brin designed traffic signal plans for 11 intersections along Jefferson Highway between College Drive and the I-12 On Ramp in Baton Rouge. Design included traffic data collection, traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. Design also included traffic signal synchronization signal timing and pedestrian signal timing. She prepared estimated quantities, preliminary and final signal construction plans, and specifications.</p>
03/05 - 11/05	<p>Airline Highway Widening SPN 700-99-0332 (Baton Rouge, LA) Brin designed eight traffic signals as part of the Airline Highway widening project in Baton Rouge. Her design included traffic data collection, traffic signal equipment, signal synchronization timing, fiber communication, storage length calculations based on queues analyses, special provision specifications, quantities, and cost estimate. This project included fiber design to be the first Baton Rouge project to connect video surveillance images and traffic controller information to the ATM/EOC.</p>


16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC				
	Name	Laurence Lucius Lambert II, PE, PTOE, PTP		Years of Relevant Experience with this Employer	10
	Title	Supervisor - Eng		Years of Relevant Experience with Other(s) Employers	18
	Degree(s)/Years/Specialization		BS/1997/Civil Engineer MS/2006/Civil Engineer (Transportation focus) MBA/2010		
	Active Registration Number/State/Expiration Date		PE#29901/LA/3-31-2026		
	Year Registered	2002	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Traffic			
<p>Laurence will conduct traffic studies, intersection performance analyses, and signal timing evaluations, supporting the development of efficient and safe traffic operations. Laurence will assist in preparing traffic control plans, and provide input on signage, pavement markings, and traffic management strategies to ensure compliance with LADOTD's Traffic Engineering Manual, Traffic Signal Manual, and Work Zone Safety requirements. Working in close collaboration with the Traffic Discipline Lead, he will help deliver data-driven, accurate, and compliant traffic engineering solutions that align with District 61 project goals.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
12/23 - 08/24	<p>South Range Road Operations Study Stage 0 Feasibility Study, Tangipahoa Parish, LA (H.972501.1) Principal-in-Charge. Laurence was the Principal-in-Charge for a Stage 0 for the Regional Planning Commission (RPC) to evaluate operating conditions of the S. Range Road corridor that included the intersection with Old Covington Highway. The corridor study included traffic data collection, pedestrian/bicycle counts, safety analysis, existing conditions analysis and alternative analysis. The results were summarized in a Stage 0 report.</p>				
05/23 - 05/24	<p>US 190B/Fremaux Ave Sidewalk Feasibility Study, Slidell, LA Principal-in-Charge. Laurence was the principal in charge for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and a final report.</p>				
07/23 - 11/23	<p>CCC Decorative Lighting Level 4 TMP, New Orleans, LA (H.015504.5) Project Manager. Laurence was the project manager for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Laurence oversaw the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed by LADOTD.</p>				
04/23 - 10/23	<p>I-12: US 61 Bridges Girder Repairs, Baton Rouge, LA (H.014591.5) Project Manager. Laurence was the project manager for a Level 2 TMP for the interchange of I-12 at US 61. Laurence performed QA/QC for a lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots" where Laurence also performed QA/PC. The results were summarized in a report that was reviewed by DOTD.</p>				
04/18 - 12/21	<p>LA 30 Roundabouts at Tanger & I-10 Gonzales, Ascension, LA (H.010960.5) QA/QC. Laurence provided a Quality Control review of the temporary construction and sequence of construction plans. Vectura also provided Quality Control review of signing and striping plans at 30% and 60% plan sets to ensure the roundabouts conformed to the Pavement Markings Details Sheet PM-09 and the MUTCD details on roundabouts.</p>				
01/23 - 02/24	<p>Alexandria ITS Phase 2 (H.011504) Project Manager. Laurence was the project manager for a System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost and Level 2 Transportation Management Plan for the Alexandria area.</p>				
10/21 - 03/22	<p>I-10 ITS Scott to Lake Charles (H.013256.5) Lead Traffic Engineer. Laurence was the lead traffic engineer for a Level 2 Traffic Management Plan (TMP) for the construction of ITS equipment along I-10. The plan included a safety strategy that included a CAT Scan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis, and public information strategies.</p>				

Laurence Lambert resume continued

09/20 - 04/21	MOVEBR LA 67 (Plank Road) Enhancement Project, Baton Rouge, LA Project Manager. Laurence was the project manager to enhance transit, bicycle, and pedestrian mobility on Plank Road that required both City-Parish and DOTD approval. Laurence evaluated the proposed pedestrian crossings on LA 67 using the LADOTD Traffic Engineering Manual pedestrian warrants found in Section 3B.2. Laurence also developed traffic operations evaluation of the traffic study which included traffic signal timing evaluations.
02/20 - 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA Project Manager. Laurence was the project manager to develop Chapter 1 (Data Collection), Appendix A (Initial Data Collection), and Appendix B (Final Data Collection) for proposed improvements College Drive. Since the I-10 interchange was included in the study, approval from LADOTD was required. Vectura collected, turning movement counts, 85% speed data, travel time runs, queue measurements, field observations, verification of Traffic Signal Inventories, and bicycle/pedestrian/transit observations.
10/17-10/18	H.013025 LA 182 (University Avenue) Corridor Planning Study (Lafayette, LA) Lead Transportation Engineer. Laurence was the lead transportation engineer for a Corridor Planning Study for LA 182. The scope focused on improving safety and mobility for pedestrian, bicycle, and transit users. Laurence collected AM & PM peak vehicle turning movement counts as well as pedestrian and bicycle counts. Laurence coordinated with the Acadiana Planning Commission to develop growth rates and design year volumes. Laurence then performed Highway Capacity Manual analysis for five intersections along the intersection analyses for the signalized and roundabout controlled alternatives. Included in the study was a safety analyses of five intersections and the intermediate segments. Based on the results of the safety analysis, Laurence provided design criteria to the design team for improving safety of pedestrians, bicycles, and vehicles.
02/17-10/17	Judge Tanner Boulevard at N. Causeway Roundabout Study, St. Tammany Parish, LA Laurence performed a Stage 0 Feasibility Study for Roundabouts at four intersections in Mandeville area. The scope was developed based on EDSMs VI.1.1.1/VI.1.1.5 and DOTD Traffic Engineering Manual (TEM) Section 20.2. Laurence, along with Brin, collected 7-day, 24-hour counts with Classification on mainlines, turning movement counts for morning and evening peak periods and speed data for mainlines. Once the traffic data was collected, Laurence performed traffic signal warrants analyses, performed a Sidra unsignalized, signalized, and roundabout analyses for years 2020 and 2040, AM and PM peak hours. Laurence developed a report that captured all the results.
01/17-07/17	Minnesota Park Road Improvements Traffic Study, Tangipahoa Parish, LA (H.004957.5) Task Leader. Laurence was the task leader for a traffic data collection and intersection analyses of a Stage 0 Feasibility study for Minnesota Park Road in Hammond, LA. Laurence utilized Sidra software to perform a roundabout alternative. The LADOTD procedures for utilizing Sidra were followed for this project.
06/12-12/12	Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, Louisiana Project Manager. Laurence conducted a feasibility study to deploy ramp meters along the Interstate 10 (I-10) Corridor in Baton Rouge between Dalrymple Drive and LA 73. The study consisted of analyzing 17 on-ramps under differing design conditions, which include the following: 2010 Existing, 2012 Without Ramp Meter, 2012 Ramp Meter, and 2012 Ramp Meter with Recommendations. Laurence's role in this project as project manager was to oversee all QA/QC measures and interpret the results from the model. Laurence coordinated with the local agencies to obtain all current proposed projects in the area, which included LADOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.
03/10 - 11/11	S.P. No. 700-09-0171 Stage 0 and 1 Study I-49 Inner City Connector, Shreveport, LA This 3.5-mile route will connect existing I-49/I-20 interchange to the proposed I-49/I-220 interchange. After completing the Stage 0, Laurence was the project manager for the traffic analyses for the EA phase. The total traffic analyses effort included over 30 TransCAD Models, 20 interchanges and 70 intersections. Analyses included signalized and unsignalized intersections, basic freeway segments, freeway merge/diverge segments and freeway weaving segments at the studied intersections and interchanges. This project included performing both Interchange Modifications Reports (IMRs) and Interchange Justification Reports (IJRs).
04/04 - 12/04	I-10 Frontage Roads, Picardy Interchange, Bluebonnet Siegen Baton Rouge, LA Laurence provided the traffic analysis for a highly unique reconfiguration of interstate ramps that included frontage roads and an overpass of I-10 for new an interchange at Picardy. HCS and VISSIM were the primary analysis tools for the analysis. As part of the design team that developed the concept for this project, Laurence performed feasibility studies, developed design criteria, and coordinated with city, state and federal agencies for approvals as well as gathered public input. Laurence prepared traffic signal timings and designs that included cost estimates for the project.


16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC			
	Name	Reece Rodrigue, PE, PTOE, RSP1	Years of Relevant Experience with this Employer	4
	Title	Engineer	Years of Relevant Experience with Other(s) Employers	7
	Degree(s)/Years/Specialization	BS/2013/Civil Engineer		
	Active Registration Number/State/Expiration Date	PE#42074/LA/3-31-2026		
	Year Registered	2017	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Traffic		
Reece will contribute to the design of traffic signals and control systems , ensuring all improvements meet LADOTD safety standards and traffic engineering requirements . He will also assist with plan reviews, QA/QC support, and construction-phase technical assistance, helping to deliver accurate, safe, and compliant traffic engineering solutions for District 61 projects.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
04/21 - Ongoing	MOVEBR Direct Select for Traffic Signal Design, Baton Rouge, LA Project Engineer. Reece is a project engineer for the design of traffic signal upgrades at ten intersections. This project included a traffic design report, preliminary and final plans for traffic signals that included traffic signal layout, fiber interconnect layout, fiber splicing diagrams, pedestrian crosswalk layout, and sign layout. The design also included traffic signal synchronization signal timing and pedestrian signal timing.			
06/23 - Ongoing	Connected & Autonomous Vehicles (C/AV) Team and Working Group Support (H.012845.1) Reece is a member of the team to develop new policies and legislation related to C/AV.			
06/23 - Ongoing	Monroe Phase 3 SEA (H.011507.1) Reece visited the project site to document the controller type and detection needs at each signalized intersection within the ROW.			
07/21 - Ongoing	EBR Computerized Traffic Signal, Phase VB, Baton Rouge, LA (H.007160) Reece is part of the team responsible for Construction Engineering and Inspection. Reece has reviewed the signal mast arm shop drawings to assist the City-Parish of Baton Rouge in accepting the manufactured poles. Reece, with the LADOTD, City-Parish and the Contractor conducted field visits to confirm pole foundation locations.			
01/23 - 02/24	Alexandria ITS Phase 2 (H.011504) Project Engineer. Reece was the project engineer for a site visit, System Engineering Analysis Report, Engineering Opinion of Probably Construction Cost, and Level 2 Transportation Management Plan.			
04/20 - Ongoing	LADOTD Belle Chasse Bridge & Tunnel Replacement Public-Private Partnership Project, Belle Chasse, LA (H.004791) Reece is responsible for designing the temporary traffic signal for the intersection of LA 23 at Engineers Road for eight phases of construction per the anticipated sequence of construction. Temporary pole location and heights were recommended for placement for use for all construction phases. Vehicle clearance interval calculations were conducted for each phase in accordance with LADOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan that was also used in planning for the permanent and temporary signal timing plans. Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.			

Reece Rodrigue resume continued

01/21 - 05/21	I-10 ITS Scott to Lake Charles, Lafayette, Acadia, and Jefferson Davis Parishes, LA (H.013256) Reece was a member of the subconsultant team who was tasked with reviewing the ITS plans for 15 sites along I-10 where CCTV cameras were being installed. Reece was responsible for measuring anticipated construction quantities and producing a cost estimate for said quantities by using LADOTD's Bid Tabulation and Cost Estimating Tool.
09/20 - 12/21	Roundabout: US 171 at Boone St., Vernon Parish, LA (H.011909.5-4) Design Engineer. Reece is an essential design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabout at US 171 at Boone Street. He conducted a thorough analysis of the US 171 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
09/20 - 12/21	LA 30 Roundabouts at Tanger I-10, Ascension Parish, LA (H.010960.5) Design Engineer. Reece is a design engineer, who is assisting in the production of the temporary signal design associated with the sequence of construction for the roundabouts on LA 30 in Gonzales, LA. This project consists of eight proposed construction phases. He assisted in calculating the temporary pole heights, determining the placement location for the temporary poles for each phase, measuring and calculating clearance intervals. Reece conducted a thorough analysis of the LA 30 corridor's existing allowable movements and identified the movements that would be restricted during the proposed construction process and how it would impact the typical traffic patterns.
11/21 - 12/21	Emergency Street Light and Traffic Sign Assessment, New Orleans, LA In response to the damage caused by Hurricane Ida, Reece inspected streetlights and street signs to report damage using the City's ArcGIS Online Organization and ArcGIS Field Maps app. The assessment area was approximately 2.5 miles by two miles area.
02/20 - 09/21	College Drive Corridor Enhancement from Perkins Road to I-10, Baton Rouge, LA Task Leader. Reece was the task leader for organizing and formatting the data collection of the College Drive project limits. Tasks included in data collection were 7-day tube counts, intersection turning movement counts, approach tube counts, unmet demand observations, driveway counts, travel time runs, pedestrian/bicycle counts, and weaving counts.
07/19 - 12/19	Burgess Avenue at Duff Road Traffic Signal Design, Walker, LA Reece was responsible for the design of a fully actuated signalized intersection in the city of Walker, LA. The traffic signal was determined to meet signal warrants upon completion of the Foxglove subdivision in Livingston Parish, LA. Plans included road widening, signal face indication schedule, signal sequence chart, sign schedule, detector schedule, controller timing, wiring diagram, and free operation phasing diagram. Reece met with city officials to discuss the feasibility of constructing a traffic signal as opposed to other alternative measures for improving the intersection.
02/16 - 12/16	US 190 Superstreet Task Order, St. Tammany Parish, LA (H.005733.5) Reece was a team member responsible for the layouts for the US 190 Superstreet signal designs. He created the preliminary plans using CADD software program MicroStation V8i. He aided in the technical design of each intersection. He conducted field inspections to verify locations of existing equipment as well as observing the area for feasible proposed utility locations. He attended project team meetings to discuss the project details as well as the plan-in-hand walk-through.
01/16 - 11/17	Ochsner Main Campus Traffic Signals, Jefferson Parish Design Engineer. Reece served as a design engineer for the traffic signal plans for the two Ochsner Main Campus access traffic signals with US 90 (Jefferson Highway). The goal of the design was to implement updated pedestrian timings as well as optimize progression through the US 90 corridor. He reviewed traffic data and assigned time of day coordination timing parameters for the two intersections so that they may be included in the coordinated system west of the intersections. He used TruTraffic to determine the appropriate offset parameters so that vehicles may progress efficiently through the coordinated system. Plans for the two intersections were drafted in the form of LADOTD's latest version of the TSI format. He was responsible for estimating construction quantities using LADOTD's 2016 Spec Item list.
10/16 - 05/17	Loyola Interchange Modification Request, Kenner, LA Reece was a team member in the production of an Interchange Modification Report (IMR) for the I-10 at Loyola Drive Interchange. He was an active member in collecting vehicle travel time data and processing the data. He also aided in collecting vehicle queues at the study intersections. He also assisted in the Vissim model calibration.


16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC			
	Name	Kristen Farrington, PE, PTOE, RSP1	Years of Relevant Experience with this Employer	4
	Title	Engineer	Years of Relevant Experience with Other(s) Employers	7
	Degree(s)/Years/Specialization		BS/2013/Civil Engineer	
	Active Registration Number/State/Expiration Date		PE#42074/LA/3-31-2027	
	Year Registered	2018	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Traffic		
<p>Kristen will lead efforts in the layout of traffic control devices, the design of temporary traffic routes, and the preparation of traffic management strategies that comply with LADOTD's Traffic Engineering Manual, Traffic Signal Manual, and Work Zone Safety requirements. Collaborating with the broader design team, Kristen will help ensure that all traffic-related designs are accurate, compliant, and safety-focused, supporting efficient project delivery across District 61.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
12/23 - Ongoing	<p>South Range Road Stage 0, Tangipahoa Parish, LA (H.972501.1) Project Manager. Kristen was the project manager for a Stage 0 project to improve operations on South Range Road. The project included data collection, existing conditions analysis, safety analysis, and alternatives development.</p>			
05/23 - 05/24	<p>US 190B/Fremaux Ave Sidewalk Feasibility Study, Slidell, LA Project Manager. As a subconsultant to Richard C. Lambert Consultants, LLC, Kristen was the project manager for a sidewalk feasibility study that included data collection, safety analysis, alternative analysis, and final report.</p>			
07/23 - 11/23	<p>CCC Decorative Lighting Level 4 TMP, New Orleans, LA (H.015504.5) Project Traffic Lead. Kristen was the project traffic lead for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Kristen calculated the lane closure analysis based on queuing. A safety analysis of the construction zone was also performed to identify any "hot spots". The results were summarized in a report that was reviewed and approved by LADOTD.</p>			
04/22 - 11/23	<p>Capital Area Pathways Project, Baton Rouge, LA (H.013267) Lead Designer. Kristen is the lead designer for four pedestrian hybrid beacons (PHB's) with two crossings located on state routes. The locations were approved in a previous study and are now under design for construction. Kristen is working closely with the City and DOTD on the construction plan development as PHB's are a new traffic control device for LADOTD. Prior to the design of the PHB's, Kristen prepared a traffic study evaluating all six uncontrolled crosswalks along the path, which included data collection and determining the appropriate treatment for each crossing location based on FHWA, LADOTD and MUTCD guidance.</p>			
09/17 - 09/18	<p>LA 73 Corridor Study Stage 0 (LA 74 to LA 621), Ascension Parish, LA (H.011160) Designer. Kristen was the designer responsible for concept development, report writing, and impact analysis for a Stage 0 study. The purpose of the study was to evaluate conceptual alternatives to improve capacity and operations along the LA 73 corridor and its connecting transportation network. The scope included the evaluation of three interchange configurations for the interchange of I-10 at LA 73 in conjunction with two corridor alternatives for LA 73, resulting in six different alternatives for which line and grade, impacts, and high-level cost estimates were prepared.</p>			
04/18 - 04/19	<p>I-49 at US 190 and LA 31 Interchange Improvements Stage 0, St. Landry Parish, LA (H.011243.1) Project Manager. Kristen was the project engineer responsible for crash and safety analysis, report writing, planning, and designing for this Stage 0 Study to evaluate alternatives to improve traffic operations and safety at the I-49 interchanges with US 190 and LA 31. Crash and safety analysis was performed using the LADOTD CAT Scan tool and IHSDM, and line and grade was prepared to LADOTD Design Standards for various corridors, including arterial collectors and freeway ramps.</p>			

Kristen Farrington resume continued

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

16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)				
	Name	Jace Ricard, PLS		Years of Relevant Experience with this Employer	2
	Title	Land Surveyor		Years of Relevant Experience with Other(s) Employers	10
	Degree(s)/Years/Specialization		BS/2014/Geomatics		
	Active Registration Number/State/Expiration Date		PLS#5205/LA/09-30-2025		
	Year Registered	2019	Discipline	Surveying	
Contract Role(s)/Brief Description of Responsibilities		Discipline Lead - Topographic Survey/ROW Services Meets MPR 4			

Jace will be part of both the **topographic survey** and **property/ROW mapping** teams. He will **conduct field measurements, stationing project centerlines**, and gathering data on **drainage structures and roadway cross-sections**. He will support the preparation of ROW maps and help ensure that all data collected meets **DOTD's quality standards**. Additionally, he will collaborate with the design team to integrate survey findings into the project plans. Jace joined Waggoner in 2023 as Survey Department Manager.

Experience Dates (mm/yy-mm/yy) Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).

10/12 - Ongoing
SECTION 17 PROJECT
Hooper Road Widening (LA 408) Blackwater - Joor, East Baton Rouge Parish, LA (H.002316) Land Surveyor. Jace served as the land surveyor of record for the property survey and ROW maps for this MOVEBR project, which included widening Hooper Road between Blackwater Road and Joor Road from an existing two-lane roadway to a four-lane boulevard with sidewalks. A total of 86 parcels were included in the ROW maps. Jace was responsible for performing the property survey and preparation of the property map, acquisition ROW maps, and recordation ROW maps in accordance with LADOTD standards. This project included both pavement preservation and capacity functional classifications.

5/23 - Ongoing
Hood Road over Colyell Creek, Livingston Parish, LA Surveyor and ROW Lead. Jace is the land surveyor of record for topographic survey, property survey, and ROW maps for this project. The topographic survey involved establishing horizontal and vertical control while acquiring detailed surface features, channel features, existing utilities through coordination, and bridge features. Utilizing the information gathered, his team generated a comprehensive topographic map and 3D digital terrain model, providing a robust foundation for design and construction. Jace also prepared existing property maps along with corresponding acquisition and recordation right-of-way maps in accordance with LADOTD Location and Survey standards. Waggoner was contracted by LADOTD to provide preliminary and final engineering and plan preparation to replace a 92-foot by 19-foot timber trestle bridge with a new 24-foot by 120-foot cast-in-place slab span bridge. The new bridge is entirely in a 420-foot radius curve on a new alignment that improves existing undesirable geometry in the roadway. Our team has performed the design and detailing for this non-standard case that meets all current LADOTD and AASHTO requirements. Waggoner also completed road and drainage design, bridge hydraulic and scour impact analyses, topographic survey, property survey, and preparation of ROW maps all while adhering to rigorous quality control measures.

5/23 - Ongoing
Sawmill Road over Creek, St. Helena Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.


5/23 - Ongoing
M. Williams Road over Spring Creek, Tangipahoa Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.




Jace Ricard resume continued

5/23 - Ongoing	<p>George Jenkins Road over Barrys Creek, Washington Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.</p>
5/23 - Ongoing	<p>Mitch Road over Peters Creek, Washington Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.</p>
5/23 - Ongoing	<p>North Brickyard Road Bridge, Tangipahoa Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.</p>
06/23 - Ongoing	<p>Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA Land Surveyor. Jace is the land surveyor of record for topographic survey updates and ROW map revisions for this MOVEBR project, which includes extending Jones Creek Road on a new alignment from Tiger Bend Road to Airline Highway. Jace prepared recordation and acquisition set ROW map revisions. Waggoner was contracted by the East Baton Rouge Parish Department of Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Road intersection to a new terminus point on Airline Highway. The project includes a two-mile, four-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and ROW mapping, and stormwater detention ponds to control outfall channel levels.</p>
02/24 - Ongoing	<p>BREC Scotlandville Parkway Bridge Replacements, East Baton Rouge Parish, LA Survey Manager. Jace served as survey manager for this project, an evaluation and assessment of three bridges along a three-mile parkway along I-110 in North Baton Rouge with multiple recreational facilities. Waggoner's services for this project include topographic survey, construction drawings, bidding assistance, construction administration, and geotechnical services for the demolition, construction, and installation of three small vehicle and pedestrian replacement bridges at the parkway. The new bridges will restore access along the greenway trail at two locations and provide new access to the Disc Golf Course. The topographic survey involved establishing horizontal and vertical control at the three new bridge sites and two existing bridge sites slated for demolition, with all five sites tied together for consistency. Field surveying captured detailed topography of ground features, channels, bayous, bridge structures, utilities, trails, and pathways. Using a combination of RTK GPS, terrestrial scanning, and conventional total station methods, the team generated a comprehensive topographic map and a 3D digital terrain model in Civil3D, providing a robust foundation for design and construction.</p>
06/23 - Ongoing	<p>Carrol Avenue over Middle Colyell Creek, Livingston Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and ROW maps for this LADOTD bridge replacement project. He was responsible for establishing local horizontal and vertical control, collecting all roadway, bridge, drainage, utility, and miscellaneous features topography, generating a survey map and digital terrain model, and establishing the existing centerline. He is also responsible for preparing the existing property map and proposed ROW maps.</p>

16. STAFF EXPERIENCE:

	Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
	Name	Brandon Bollich, EI	Years of Relevant Experience with this Employer	3
	Title	Engineer Intern	Years of Relevant Experience with Other(s) Employers	6
	Degree(s)/Years/Specialization	BS/2015/Civil Engineering		
	Active Registration Number/State/Expiration Date	EI#32749/LA/09-30-2026		
	Year Registered	2015	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities		Subsurface Utility Engineering Services		
<p>Brandon will perform subsurface utility engineering (SUE) investigations to locate and document underground utilities using geophysical methods and detailed field data collection. He will integrate SUE findings into project plans to prevent construction conflicts and ensure compliance with DOTD standards. A certified Engineer Intern with LADOTD bridge replacement experience, Brandon has managed project tasks including alignment studies, site visits, and bridge design, and has conducted bridge inspection and load rating work at Forte & Tablada.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
10/12 - Ongoing SECTION 17 PROJECT	<p>Hooper Road Widening (LA 408), East Baton Rouge Parish, LA Engineer Intern. Brandon provided bridge and structural design services for this project. This project was for the widening of an existing two-lane roadway to a four-lane boulevard to increase capacity. The project began with an Environmental Assessment (EA) and National Environmental Policy Act (NEPA) environmental documentation. Waggoner is facilitating the development of a traffic study with a subconsultant, following criteria established by LADOTD. Multiple roadway sections and intersection arrangements are being evaluated through a tiered approach. This project included both pavement preservation and capacity functional classifications.</p>			
04/21 - Ongoing	<p>Rural Bridge Replacement Initiative Phase II, South LA Engineer Intern. Brandon manages four of 16 state projects for this contract, including six bridge replacements throughout south Louisiana. This work involves assessing site conditions, evaluating structure types, and designing the roadway approaches. He will prepare the submittals for these projects and submit monthly reports as work progresses.</p>			
02/16 - Ongoing SECTION 17 PROJECT	<p>Pecue Lane/I-10 Interchange, East Baton Rouge Parish, LA Engineer Intern. Brandon served as engineer intern for the project that included the replacement of two slab span bridges over Ward's Creek along Pecue Lane. Brandon was responsible for providing quality control by reviewing and verifying plan sheets, checking reinforcement quantities, and ensuring calculations were correctly incorporated into the plans.</p>			
2016 - 2018	<p>Bridge Replacements, LADOTD, Statewide, LA Task Manager. Brandon served as task manager of four state bridge replacement projects consisting of eight bridges at seven locations. His responsibilities included coordinating project meetings, tracking project statuses, generating divisional requests, and projecting costs. He performed several alignment studies for the bridge replacement projects and conducted site visits while analyzing relevant bridge and local conditions. Brandon created bridge plans (including general notes, general plans, superstructures, and substructures) in addition to designing bridge elements in accordance with AASHTO LRFD specifications and the LADOTD Bridge Design and Evaluation Manual.</p>			
06/23 - Ongoing	<p>Jones Creek Road Improvements Phases 1A & 1B, East Baton Rouge Parish, LA. Brandon provided design services for this project. Waggoner was contracted by the East Baton Rouge Parish Department of Transportation and Drainage through the MOVEBR Program to design the extension of Jones Creek Road from the existing Tiger Bend Road intersection to a new terminus point on Airline Highway. The project includes a two-mile four-lane boulevard on new alignment, green infrastructure drainage features, a roundabout at Jefferson Highway, a new residential subdivision access point for an existing subdivision, a new bridge over Claycut Bayou, topographic and ROW mapping, and stormwater detention ponds to control outfall channel levels.</p>			


16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.				
	Name	Patrick Staiano, PLS		Years of Relevant Experience with this Employer	6
	Title	Staff Surveyor		Years of Relevant Experience with Other(s) Employers	10
	Degree(s)/Years/Specialization		BS/2008/Construction Management		
	Active Registration Number/State/Expiration Date		PLS#5130/LA/09-30-2025		
	Year Registered	2015	Discipline	Surveying Services	
	Contract Role(s)/Brief Description of Responsibilities		Discipline Lead - Topographic Survey/ROW Services		
<p>Patrick will direct the preparation of topographic surveys, property surveys, and ROW maps in accordance with LADOTD's Location and Survey Manual, Addendum A, and electronic deliverable standards. Patrick will also manage data processing, QA/QC reviews, and final submittals, ensuring survey deliverables are accurate, compliant, and coordinated with roadway and bridge design requirements. His extensive experience in survey management and ROW mapping supports efficient and reliable project delivery across District 61 task orders.</p>					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/24 - 08/25 SECTION 17 PROJECT	<p>LADOTD IDIQ Contract for Professional Boundary Surveying Services, LA (4400027918) Project Manager directing field crews, file processing, drafting, and submittals for topographic surveys and property surveys in support of title take-offs, description preparations, preliminary and final ROW mapping in support of roadway design improvements.</p>				
01/23 - 08/25 SECTION 17 PROJECT	<p>LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier and Caddo Parishes, LA (H.001779) Assistant Project Manager assisting in the management of field crews, file processing, drafting, and submittals for Static GPS control surveys, topographic surveys, property surveys, surveys in support of QL B, C, and D subsurface utility designating, title take-offs, legal description preparation, and preliminary and final ROW mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub-consultant to James Construction.</p>				
09/22 - 08/25	<p>LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Assistant Project Manager assisting in the management of field crews, file processing, drafting, and submittals for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final ROW mapping for 34 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to BKI.</p>				
09/22 - 08/25	<p>LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Assistant Project Manager assisting in the management of field crews, file processing, drafting, and submittals for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparations, and preliminary and final ROW mapping for 21 bridge and culvert replacements including surveying all sub-surface drainage structures as a sub-consultant to Waggoner.</p>				
09/22 - 08/25	<p>Delta Utilities/CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.) Assistant Project Manager assisting in the management of field crews, file processing, drafting, and submittals for topographic surveys, property surveying services, surveys in support of SUE, title research, title take-offs, boundary and ROW calculations, and reviews of CADD drawings and plats for maintenance and construction projects.</p>				
09/22 - 08/25 03/18 - 02/21	<p>Apache Corporation, Infrastructure Improvements, Permian Basin, Reeves Counties, TX (Agency Proj. Nos. Unknown) Project Manager managing property surveying services and ROW acquisition mapping for approximately 84 miles of infrastructure improvements. Patrick has prepared approximately 131 property acquisition plats for this project.</p>				
09/22 - 08/25 03/18 - 02/21	<p>Targa Pipeline, Natural Gas Gathering System, Howard and Martin Counties, TX (Agency Proj. Nos. Unknown) Quality Control Surveyor reviewing drafting and property acquisition plats as well as assisting with management of property surveying services. Patrick has prepared approximately 250 property acquisition plats for this project.</p>				

Patrick Staiano resume continued

07/23 - 05/25	LADOTD IIJA Off-System Bridge Program, District 62 (4400025041) Project Manager directing field crews, file processing, drafting, and submittals for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final ROW mapping in support of bridge replacements.
03/21 - 08/22	MOVEBR Jefferson Highway at Bluebonnet Intersection Improvements, LA (City Parish No. 20-CP-HC-0046) Project Manager managed field crews and technicians for topographic surveys, property surveys, and ROW mapping.
03/20 - 02/21	UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502) Assistant Project Manager performed property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad ROW. Prepared 8 ALTA Surveys along with the privately owned parcels for acquisition, 0.25-acre acquisition parcel in the ROW, and an overall ROW strip map.
09/19 - 02/20	DCP Midstream, MaBee Ranch Line Locates, Martin and Andrews Counties, TX (19-056-001) Project Manager managed property surveying services in support of property acquisition services for 32 individual pipelines totaling approximately 22 miles.
03/18 - 10/18	Rogillio Resubdivision, East Baton Rouge & East Feliciana Parishes, LA (Agency Proj. No. Unknown) Assistant Project Manager performed title take-offs, boundary, and ROW calculations, and reviewing CADD drawings and plats for resubdivision services for 93 acres.
04/17 - 03/18	LADOTD LA 653 Bayou Dumar Bridge Replacement, Lafourche Parish, LA (H.008118) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.5-mile project.
01/17 - 03/18	LADOTD LA 450 Stoney Point Bridge Replacement, Washington Parish, LA (Proj. No. Unknown) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys and prepared title work info and ROW maps for a +/-0.25-mile project.
09/17 - 01/18	LADOTD LA 1026: Roundabout at Buddy Ellis Rd., Livingston Parish, LA (H.011824) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.3-mile project.
10/17 - 12/17	LADOTD US 190B Jefferson Ave. Roundabout Covington, St. Tammany Parish, LA (H.011260) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.1-mile project.
06/17 - 10/17	LADOTD LA 22: Near I-10 Geometric Improvements, Ascension Parish, LA (H.011314) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.75-mile project.
05/17 - 09/17	LADOTD LA 59: Roundabout at Lonesome Rd., Tangipahoa Parish, LA (H.011030) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.5-mile project.
03/16 - 08/17	LADOTD LA 59: Curve Realign and Tunnel at Trace, St. Tammany Parish, LA (H.010184) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.75-mile project.
03/17 - 07/17	LADOTD LA 1042: Bridges Near Greensburg, St. Helena Parish, LA (H.008312) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/- 2-mile project.
03/16 - 02/17	LADOTD LA 22 Roundabout @ Dunson Rd., Tangipahoa Parish, LA (Proj. No. Unknown) Under the supervision of Robert H. Brooks, III, PLS and Max O. Usrey, III, PLS, Patrick performed property surveys, prepared title work info, and ROW maps for a +/-0.25-mile project.


16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.			
	Name	Grant H. Gilleon, PLS		
	Title	Vice President	Years of Relevant Experience with this Employer	17
	Degree(s)/Years/Specialization	BS/1987/Construction Engineering Technology		
	Active Registration Number/State/Expiration Date	PLS#4976/LA/03-31-2026		
	Year Registered	2007	Discipline	Surveying
Contract Role(s)/Brief Description of Responsibilities		Topographic Survey/ROW Services		
Grant will assist in ensuring that all surveying activities and ROW mapping deliverables comply with LADOTD's Location and Survey Manual, Addendum A , and electronic deliverable standards. Through his role in quality assurance and logistical support , Grant will help maintain accuracy, consistency, and compliance across District 61 survey task orders.				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 - 08/25 SECTION 17 PROJECT	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Quality Control Surveyor assisting in staffing and coordination for Static GPS control surveys, topographic surveys, property surveys, title take-offs, description preparations, and preliminary and final ROW mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a sub to James Construction.			
08/22 - 08/25	Delta Utilities/CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.) Project Manager directing field crews and technicians for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and ROW calculations, CADD drawings, and plats for maintenance and construction projects. To date, NTBA has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain.			
04/21 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Quality Control Surveyor assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.			
08/21 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Quality Control Surveyor assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.			
12/24 - 05/25	LADOTD Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes (4400021975) Quality Control Surveyor assisting in staffing and coordination for Static GPS Control surveys, topographic surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.			
12/17 - 11/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs) Quality Control Surveyor assisting in staffing and coordination for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.			
05/15 - 11/24	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.			

Grant Gillean resume continued

04/22 - 04/23	LADOTD I-20 Monkhouse to I-49, Caddo Parish, LA (4400017713) Quality Control Surveyor reviewing data and deliverables for Static GPS Control, topographic surveys, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
07/21 - 02/22	LADOTD LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713) Quality Control Surveyor reviewing data and deliverables for topographic surveys and surveys in support of QL C & D subsurface utility designating for bridge repair/rehabilitation.
05/21 - 12/21	Bossier Parish Police Jury, Linton Road Cutoff Intersection Redesign, Bossier Parish, LA (BPPJ 2021-126) Project Manager directed field crews for control surveys, topographic surveys, and property surveys in support of an evaluation to improve the intersection and produce a preliminary layout for a new intersection design.
09/20 - 01/21	LADOTD LA 6: Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5) Quality Control Surveyor reviewing data and deliverables for topographic surveys for bridge rehabilitation.
11/15 - 05/17	Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03) Project Manager directed field crews, file processing, drafting, and submittals for control surveys, topographic surveys, property surveys, ROW mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).
04/15 - 02/16	LADOTD I-20 (Airline Drive to I-220) Route I-20, Bossier Parish, LA (4400005532 & H.011319.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys and surveys in support of QL B, C, and D subsurface utility designating for interstate rehabilitation.
10/15 - 12/15	LADOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys performed along a portion of the existing route of LA Highway. One was for a proposed bridge replacement at the intersection of Caddo Lake and LA Highway and one was in Caddo Parish east of Mooringsport.
05/13 - 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, property surveys, final ROW mapping, and drainage map preparation for the use in engineering plan and specifications.
04/15 - 09/15	LADOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, drainage map preparation, and surveys in support of QL B subsurface utility designating for bridge rehabilitation.
03/08 - 05/15	Bossier Parish Police Jury, Hamilton Road Improvements (I-20 to Benton Road) Bossier Parish, LA (H.003849 & 700-08-0123) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, property surveys, and final ROW mapping for roadway rehabilitation.
12/12 - 12/12	LADOTD I-49 Survey Subsurface Utilities, Caddo Parish, LA (H.00388.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys and surveys in support of QL A subsurface utility locating for interstate rehabilitation.
01/11 - 08/12	LADOTD Local Road Safety Program, Sight Distance Improvements for Grigsby Road at Ranger Road, Jackson Parish, LA (737-25-0003-A & H.006511) Project Manager directed horizontal and vertical control, topographic and property surveys, title take-offs for seven ownerships, and ROW mapping for 3,700 linear feet of Grigsby Road and 500 linear feet of Ranger Road in connection with sight distance improvements.
03/08 - 07/12	Bossier Parish Police Jury, Bellevue Road Improvements (US 80 to Winfield Road) Bossier Parish, LA (BPPJ 2010-277) Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveys, property surveys, and ROW mapping including preliminary/final plans for the widening and possible realignment of Bellevue Road.


16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.				
	Name	Bryan Bunch, PLS		Years of Relevant Experience with this Employer	16.5
	Title	Executive Vice President		Years of Relevant Experience with Other(s) Employers	15
	Degree(s)/Years/Specialization		BS/1988/Survey and Land Information Systems		
	Active Registration Number/State/Expiration Date		PLS#5014/LA/03-31-2026		
	Year Registered	2009	Discipline	Professional Surveyor	
Contract Role(s)/Brief Description of Responsibilities		Topographic Survey/ROW Services			
Bryan will provide field oversight, survey data review, and mapping coordination , ensuring that all deliverables meet LADOTD's Location and Survey Manual, Addendum A , and electronic deliverable standards. His proven expertise in survey management and compliance with LADOTD procedures will support accurate, reliable, and timely survey deliverables across District 61 task orders.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
09/24 - 08/25 SECTION 17 PROJECT	LADOTD IDIQ Contract for Professional Boundary Surveying Services, LA (4400027918) Assistant Project Manager assisting in the management of field crews and technicians for topographic surveys and property surveys in support of title take-offs, description preparations, preliminary and final ROW mapping in support of roadway design improvements.				
01/23 - 08/25 SECTION 17 PROJECT	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.				
09/20 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.				
09/20 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.				
08/22 - 08/25	Delta Utilities/CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.) Quality Control Surveyor assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and ROW calculations, CADD drawings, and plats for maintenance and construction projects. To date, NTBA has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain.				
07/23 - 05/25	LADOTD IJJA Off-System Bridge Program, District 62 (4400025041) Quality Control Surveyor assisted in staffing, coordination, and QA/QC for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final ROW mapping in support of bridge replacements.				
12/24 - 05/25	LADOTD Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes (4400021975) Bryan assisted in the supervision and review of survey data and processing for Static GPS Control surveys, topographic surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.				

Bryan Bunch resume continued

12/17 - 11/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs) Survey Project Manager directed field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
04/22 - 04/23	LADOTD I-20 Monkhouse to I-49, Caddo Parish, LA (4400017713) Survey Project Manager directed field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
03/21 - 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013) Survey Project Manager managed field crews and technicians for control, topographic, and property surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.
12/20 - 03/21	LADOTD LA 6: Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5) Assistant Project Manager assisted in the supervision and review of survey data and processing for topographic surveying services.
05/15 - 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Quality Control Surveyor supervised south LA field crews and technicians for Static GPS Control surveys, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
05/16 - 06/18	LADOTD LA 675 & LA 87 Improvements in New Iberia, Iberia Parish, LA (4400002562 & 4400006814) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services as a sub.
11/15 - 05/17	Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03) Quality Control Surveyor assisted in staffing, coordination, and QA/QC for control surveys, topographic surveys, property surveys, ROW mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).
07/16 - 03/17	LADOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5) Survey Project Manager directed field crews, file processing, drafting, and submittals for topographic surveys, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.
10/15 - 07/16	LADOTD MacArthur Interchange Completion (Phase II) Route US 90-Z, Jefferson Parish, LA (4400005142 & H.011309.5) Project Manager directed field crews, file processing, drafting, and submittals for topographic surveying services as a sub.
05/13 - 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown) Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveys, property surveys, final ROW mapping, and drainage map preparation for the use in engineering plan and specifications.
04/15 - 09/15	LADOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5) Quality Control Surveyor assisted in staffing, coordination, and QA/QC for topographic surveys, drainage map preparation, and surveys in support of QL B subsurface utility designating for bridge rehabilitation.
02/14 - 03/15	LADOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5) Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveys for an overpass connection, relocation of existing lanes, and construction of additional lanes as a sub to AECOM.
07/12 - 06/13	LADOTD I-10 Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveys for interstate rehabilitation.
07/10 - 10/12	LADOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538) Project Surveyor directed topographic and property surveys and title work to locate all existing structures within 50 feet of proposed ROW. Bryan also managed the preparation of ROW acquisition maps for 165 parcels.


16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.			
	Name	Mike King, PLS	Years of Relevant Experience with this Employer	19
	Title	Vice President	Years of Relevant Experience with Other(s) Employers	2
	Degree(s)/Years/Specialization	BS/2012/Construction Management		
	Active Registration Number/State/Expiration Date	PLS#5127/LA/09-30-2025		
	Year Registered	2015	Discipline	Professional Surveying
Contract Role(s)/Brief Description of Responsibilities		Topographic Survey/ROW Services		
<p>Mike will direct the preparation of topographic surveys and mapping deliverables in accordance with LADOTD's Location and Survey Manual, Addendum A, and electronic deliverable standards. Mike's leadership ensures that all survey data is accurate, reliable, and fully coordinated with roadway, drainage, and bridge design requirements. With his extensive background in surveying management and ROW mapping, Mike provides the expertise necessary to support efficient, compliant, and timely project delivery for District 61.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
01/23 - 08/25 SECTION 17 PROJECT	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.			
08/21 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKI.			
04/21 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.			
08/22 - 08/25	Delta Utilities/CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.) Quality Control Surveyor assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and ROW calculations, CADD drawings, and plats for maintenance and construction projects. To date, NTBA has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain.			
12/24 - 05/25	LADOTD Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes (4400021975) Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control surveys, topographic surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.			
12/17 - 11/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs) Assistant Project Manager assisted in the management of field crews and technicians for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.			
04/22 - 04/23	LADOTD I-20 Monkhouse to I-49, Caddo Parish, LA (4400017713) Assistant Project Manager assisted in the management of field crews and technicians for Static GPS Control, topographic surveys, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.			

Mike King resume continued

03/21 - 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013) Quality Control Surveyor reviewed and processed data for control, topographic, and property surveys along with surveys in support of QL B, C, and D subsurface utility designating services.
12/20 - 03/22	LADOTD LA 47 IWGO Bridge Rehabilitation, Historic Bridge Improvement (HBI), Orleans Parish, LA (4400017713) Assistant Project Manager assisted in the management of field crews and technicians for topographic surveys and surveys in support of QL C & D subsurface utility designating for bridge repair/rehabilitation.
05/15 - 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Quality Control Surveyor reviewed data and drafting for Static GPS Control surveys, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
07/16 - 03/17	LADOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5) Assistant Project Manager assisted in the management of survey crews and technicians for topographic surveys, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.
04/15 - 02/16	LADOTD I-20 (Airline Drive to I-220) Bossier Parish, LA (4400005532 & H.011319.5) Quality Control Surveyor reviewed data and drafting for topographic surveys for interstate rehabilitation.
05/13 - 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Proj. No. Unknown) Sr. Party Chief/Technician ran a field crew and downloaded data for topographic surveys, property surveys, final ROW mapping, and drainage map preparation for the use in engineering plan and specifications.
04/15 - 09/15	LADOTD LA 3094: Hearne Ave. Bridge Rehab, Route LA 3094, Caddo Parish, LA (4400001798 & H.011094.5) Quality Control Surveyor reviewed data and drafting for topographic surveys, drainage map preparation, and surveys in support of QL B subsurface utility designating for bridge rehabilitation.
02/14 - 03/15	LADOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5) Sr. Survey Party Chief/Technician ran a field crew and processed data for topographic surveying services for an overpass connection, relocation of existing lanes, and construction of additional lanes as a sub to AECOM
07/12 - 01/14	LADOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Sr. Survey Party Chief/Technician managed a survey crew and processed data for topographic surveys for interstate rehabilitation as a sub to GEC, Inc.
07/12 - 06/13	LADOTD I-10 Williams Blvd. to Veterans Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Sr. Survey Party Chief/Technician ran a field crew and processed data for topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL A, B, C, and D subsurface utility designating/locating for interstate rehabilitation as a sub to GEC, Inc.
07/10 - 10/12	LADOTD LA 42 Widening and Improvements, District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538) Survey Party Chief/Technician ran a field crew and processed data for topographic and property surveys in support of base and final ROW mapping, and title work.
02/11 - 08/11	LADOTD I-20 Rehabilitation Westerfield Avenue to Industrial Drive, District 04, Bossier Parish, LA (H.003860.5 & 700-99-0525) Survey Party Chief/Technician managed a survey crew and processed data for topographic surveys for interstate rehabilitation.
09/09 - 03/10	LADOTD Lawrence, Bogalusa, and Coburn Creek Bridges, Route LA 10, Washington Parish, LA (700-99-0484 & 701-65-1347) Survey Party Chief/Technician ran a field crew and processed data for topographic and property surveys in support of title work, title updates, title take-offs, and ROW map preparation.

16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.			
	Name	John King	Years of Relevant Experience with this Employer	18
	Title	Chief Operating Officer	Years of Relevant Experience with Other(s) Employers	17
	Degree(s)/Years/Specialization		Instrumentation Design Drafting/1990/AutoCAD 1991/Pipe Drafting 1992 Leica's LIDAR Scanning Courses Cyclone Software Courses, 2013	
	Active Registration Number/State/Expiration Date		N/A	
Year Registered	N/A	Discipline	N/A	
Contract Role(s)/Brief Description of Responsibilities		Topographic Survey/ROW Services		
<p>John brings extensive experience in topographic and ROW surveying and will serve as a key member of the survey team for this IDIQ Design Services contract. He will support field measurements of roadway and ditch cross-sections, centerline stationing, and documentation of existing utilities, as well as assist in stationing transitions to ensure that all survey data is accurate, complete, and ready for integration into roadway and bridge design plans.</p>				
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
09/24 - 08/25 SECTION 17 PROJECT	LADOTD IDIQ Contract for Professional Boundary Surveying Services, LA (4400027918) Staff Manager overseeing operations for topographic surveys and property surveys in support of title take-offs, description preparations, preliminary and final ROW mapping in support of roadway design improvements.			
01/23 - 08/25 SECTION 17 PROJECT	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Staff Manager overseeing operations for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, QL A, B, C, & D utility designating/locating, and utility coordination services for the design-build project to replace the Jimmy Davis Bridge across the Red River.			
09/20 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Staff Manager overseeing operations for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping, and QL C & D subsurface utility services for 34 bridge and culvert replacements as a sub to BKL.			
09/20 - 08/25	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Staff Manager overseeing operations for Static GPS Control surveys, topographic surveys, property surveys, title take-offs, description preparations, preliminary and final right-of-way mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements as a sub to Waggoner.			
08/22 - 08/25	Delta Utilities/CenterPoint Energy, Surveying & SUE Services, Various Parishes, LA (Various Agency Proj. Nos.) Staff Manager overseeing operations for topographic surveys, property surveys, surveys in support of SUE, title takeoffs, boundary and ROW calculations, CADD drawings, and plats for maintenance and construction projects. To date, NTBA has worked on over 100 separate projects stretching from Lake Charles to Lafayette to Shreveport, and along the Northshore of Lake Pontchartrain.			
07/23 - 05/25	LADOTD IJJA Off-System Bridge Program, District 62 (4400025041) Staff Manager overseeing operations for Static GPS control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, and preliminary and final ROW mapping in support of bridge replacements.			
12/24 - 05/25	LADOTD Contract for Topographic Surveys, Box Culvert Replacements, Tasks Orders 1-4, Evangeline, St. Landry, & Bienville Parishes, LA (4400021975) Staff Manager overseeing operations for Static GPS Control surveys, topographic surveys, and surveys in support of QL D subsurface utility record research for preliminary designs of box culvert initiative projects.			

John King resume continued

12/17 - 11/24	LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West & East Baton Rouge Parishes, LA (44-12323, 44-17713, 44-14660 - Multiple TOs) Staff Manager overseeing operations for Static GPS Control surveys, topographic surveys, QL B, C, and D subsurface utility designating, and surveys in support of QL B, C, and D subsurface utility designating for approximately 13 miles of roadway.
04/22 - 04/23	LADOTD I-20 Monkhouse to I-49, Caddo Parish, LA (4400017713) Staff Manager overseeing operations for Static GPS Control, topographic surveys, QL C & D subsurface utility services, drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.
03/21 - 03/22	City-Parish Ward Creek at Siegen Lane, East Baton Rouge Parish, LA (22-DR-US-0013) Staff Manager overseeing operations for control, topographic, and property surveys along with QL B, C, and D subsurface utility designating services for approximately 1,500 feet of Ward Creek.
12/20 - 03/21	LADOTD LA 6: Youngs Bayou Bridge Rehab, Natchitoches Parish, LA (4400017713 & H.013821.5) Staff Manager overseeing operations for survey data and processing for topographic surveying services.
05/15 - 12/20	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Staff Manager overseeing operations for Static GPS Control surveys, topographic, property, and hydrographic surveying services, and QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge.
05/16 - 06/18	LADOTD LA 675 & LA 87 Improvements in New Iberia, Iberia Parish, LA (4400002562 & 4400006814) Staff Manager overseeing operations for topographic surveying services as a sub to Stanley Consultants, Inc.
11/15 - 05/17	Bossier Parish Police Jury, Winfield Road Extension, East/West (LA 3 to Airline Highway) Bossier Parish, LA (DEC 15-11-03) Staff Manager overseeing operations for control surveys, topographic surveys, property surveys, ROW mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).
07/16 - 03/17	LADOTD Bayou Fountain, Route LA 327 Spur (Gardere Lane) East Baton Rouge Parish, LA (4400006527 & H.002337.5) Staff Manager overseeing operations for topographic surveys, surveys in support of QL B, C, and D subsurface utility designating, and drainage map preparation for roadway rehabilitation.
10/15 - 07/16	LADOTD MacArthur Interchange Completion (Phase II) Route US 90-Z, Jefferson Parish, LA (4400005142 & H.011309.5) Staff Manager overseeing operations for topographic surveying services as a sub to SDR Engineering.
05/13 - 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown) Staff Manager overseeing operations for topographic surveys, property surveys, final ROW mapping, and drainage map preparation for the use in engineering plan and specifications.
02/14 - 03/15	LADOTD Earhart Expressway Extension to US 61, Route LA 3139, Jefferson Parish, LA (H.004367.5) Staff Manager overseeing operations for topographic surveys for an overpass connection, relocation of existing lanes, and construction of additional lanes as a sub to AECOM.
07/10 - 10/12	LADOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538) Staff Manager overseeing operations for topographic and property surveys and title work to locate all existing structures within 50 feet of proposed ROW. Bryan also managed the preparation of right-of-way acquisition maps for 165 parcels.
09/09 - 03/10	LADOTD Lawrence, Bogalusa, and Coburn Creek Bridges, Route LA 10, Washington Parish, LA (700-99-0484, 701-65-1347, & 700-59-0006) Staff Manager overseeing operations for topographic and property surveys, preparation of ROW maps, title work, title updates, and title take-offs for three bridge construction sites.

Section 17

LA 342: Roundabout at LA 724 Route LA 342
H.002163

Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)
Lead Road Design Firm

Past Performance Disciplines performed by Waggoner: Road, Other (Project Management), ROW, Survey

Showing a new roundabout under construction, with a strong focus on maintaining traffic flow during the intersection modifications. The construction phasing is a vital element in the planning and execution of the project.



17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	I-10: Highland Road to LA 73 Design Build	Past Performance Evaluation Category(ies)*	Other (Project Management), Other (SUE), Road, Traffic
		Firm Responsibility	
Project Number	H.009250	Owner's Name	LADOTD
Project Location	East Baton Rouge & Ascension Parishes, LA	Owners Project Manager	Peggy Jo Paine, PE
Owners Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70806 225. 379.1065 Peggy.Paine@la.gov		
Services Commenced by this Firm (mm/yy)	10/16	Total Consultant Contract Cost (\$1,000's)	\$2,200
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$2,200

Project Description:

Waggoner (formerly Sigma) was the **lead design firm** for this \$72 million Design-Build Project to increase capacity on Interstate 10 in East Baton Rouge and Ascension Parishes. Waggoner led the design coordination for this project and performed **all roadway design, maintenance of traffic design, transportation management planning, subsurface utility investigations, and utility coordination.** Waggoner also assisted in the public and stakeholder information outreach which included three meetings and coordinated outreach. The project consisted of six-laning I-10 for 6.8 miles between the Highland Road Interchange and LA 73. The first 3.6 miles is an urban section with a concrete median barrier, a portion of which has permanent lighting included. The last 3.2 miles is a rural widening section with a 12-foot travel lane and 12-foot shoulder added to the inside of the existing travel lanes. The Highland Road Overpass was completely replaced with a new steel main span bridge, the Bayou Manchac Bridges were widened to three lanes in each direction, and the LA 948 Bridge of I-10 was repaired and raised. **Waggoner coordinated all design activities for the Builder, James Construction Group, in a very compressed time frame.** The time from contract execution to the beginning of construction activities was five months and all design activities were substantially complete in the first nine months of the project.

The road design components include **typical sections, horizontal and vertical geometrics with existing bridge structures constraining the design parameters, geometric details, and a detailed analysis of the sequence of construction** that will maintain two-lanes of traffic in each direction. A Level 4 Transportation Management Plan was also developed by Waggoner.

SUE QL-B and QL-A locates were performed by Waggoner for a large diameter water line and multiple fiber optic lines at Highland Road.

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Plan Preparation
- ✓ Cost Estimate
- ✓ Public Outreach
- ✓ Traffic Management Plan
- ✓ Sequence of Construction
- ✓ Subsurface Utility Investigation
- ✓ Construction Support



Team Members Involved:

Robert Lear, Alex Farr, Bryan Harmon, Joshua Oliver, Joshua Renard

17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
Project Name	Pecue Lane/I-10 Interchange - Phase III	Past Performance Evaluation Category(ies)*		Bridge
		Firm Responsibility	Subconsultant	
Project Number	H.003047	Owner's Name	EBRDTD	
Project Location	East Baton Rouge Parish, LA	Owners Project Manager	Tom Stephens, PE	
Owners Address, Phone, Email	PO Box 1471, Baton Rouge, LA 70821 225.389.3186 TStephens@brla.gov			
Services Commenced by this Firm (mm/yy)	02/16	Total Consultant Contract Cost (\$1,000's)	\$750	
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$230	

Project Description:

East Baton Rouge Parish with assistance from the Department of Transportation and Development and the FHWA is **developing preliminary and final engineering plans** for the construction of a diverging diamond interchange with multiple through and turn lanes on Pecue Lane, an entrance ramp and exit ramp on eastbound I-10, an entrance ramp and exit ramp on westbound I-10, replacing the current two lane overpass bridge, replacing the Pecue Lane/Wards Creek Bridge.

Waggoner is contracted to Shread-Kyrkendall & Associates, Inc. to provide design services for the project. Specifically, Waggoner's scope includes the **evaluation and design of parallel bridges along Pecue Lane over Wards Creek**, and the **evaluation and widening of the I-10 bridges over Wards Creek** to accommodate the on/off ramps. Unique geometric needs, along with considerations for a **new multi-use pathway beneath the first span** of the new bridges required special attention to detail and elevations during final plan development. **As-designed LRFR bridge ratings** were provided for all bridges involved in this project.

Waggoner is currently providing ongoing **construction related engineering services (CRES)** on the bridge-related contractor submittals. Services include the **review of structural fabrication drawings** for components designed by Waggoner, **review of contract Requests for Information (RFIs)**, and review of contractor plan modifications from changes in field condition.

Bridge Design

- LRFD Design
- Superstructure & Substructure Design
- AASHTO prestressed-precast concrete girders (widening)
- Slab spans
- Concrete bent cap supported on PPC piles
- LRFR bridge rating
- Construction phasing

Project Relevance:

- ✓ Bridge Assessment
- ✓ Bridge Design/ Rehabilitation
- ✓ Close-out Management
- ✓ Construction Support RFI's
- ✓ Shop Drawing Review



Team Members Involved:

Robert Lear, Andrew Windmann, Josh Gonya, Joshua Renard, Joshua Olivier, Brandon Bollich



17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	I-10: LA 415 to Essen Lane on I-10 and I-12 CMAR	Past Performance Evaluation Category(ies)*	Road, Traffic
		Firm Responsibility	Subconsultant
Project Number	H.004100	Owner's Name	LADOTD
Project Location	East Baton Rouge & West Baton Rouge Parishes, LA	Owners Project Manager	Nick Olivier, PE
Owners Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70806 225.379.1133 Nicholas.Olivier@la.gov		
Services Commenced by this Firm (mm/yy)	10/20	Total Consultant Contract Cost (\$1,000's)	\$29,583
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$4,170

Project Description:

Waggoner (formerly Sigma) is the lead **roadway design** team member for this transformational transportation improvement for the Capital Region. It is being delivered in an accelerated time frame by an alternative delivery CMAR process. Our primary responsibility includes geometrics and **road design** for the frontage roads, ramps, and local roadway upgrades. We are also responsible for the **drainage design** for the entire project, which includes subsurface and open ditch systems.

The road design components include typical sections, plan profiles, drainage plan profiles, geometric layouts, geometric details, graphical grades, cross sections, complete streets pedestrian and bicycle facilities, **pay item and quantity computations**, and non-standard special provisions. Waggoner prepared all **design reports** for the project which included interstate, ramp, urban arterial, urban collector, local roads, and roundabout classifications. All associated **design waivers** and **design exception documentation** was also prepared by Waggoner. All plan development is being performed in accordance with DOTD **electronic delivery standards**.

Traffic engineering responsibilities include providing geometrics and alternatives for the IMR, complex urban and freeway geometrics, construction phasing, and **suggested sequence of construction/MOT**.

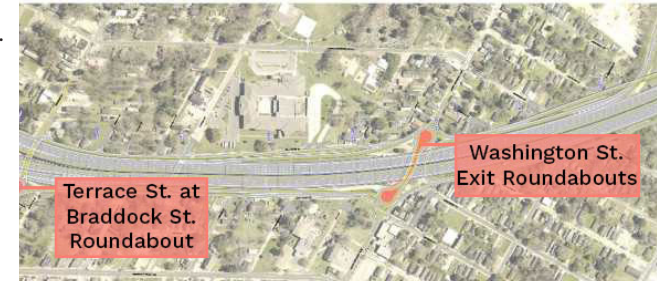
Waggoner also served as a subconsultant for the Environmental Assessment NEPA process. Waggoner was responsible for the line and grade study geometrics, interchange alternatives, community connections meetings, public meetings and workshops, researching and compiling as-built plans, constructability reviews, opinion of probable costs, and ROW limits.

Waggoner also prepared SUE and **utility relocation plans** to consolidate utilities into a major duct bank. The duct bank minimizes the need for multiple relocations during project phasing and is a significant cost savings. We participated in utility coordination with DOTD, East Baton Rouge Parish, and several utility companies.

Construction support includes shop drawings reviews, review and responses to RFIs, and review of contractor proposals made throughout the CMAR process.

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Drainage Evaluation
- ✓ Utility Coordination
- ✓ Comment & Response Logs
- ✓ Electronic Plan Development
- ✓ Preliminary & Final Road Plans
- ✓ ROW Map
- ✓ Construction Support



Team Members Involved:

Robert Lear, Miles Williams, Bryan Harmon, Alex Farr, Joshua Renard, Kelsie Bankston, Charlotte Gremillion, Jace Ricard, Steven Gilliam



17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	Hooper Road Widening (LA 408) Blackwater - Joor	Past Performance Evaluation Category(ies)*	Other (Project Management), Other (SUE), Right-of-Way, Road, Survey, Traffic
		Firm Responsibility	
Project Number	H.002316	Owner's Name	East Baton Rouge Department of Transportation and Drainage
Project Location	East Baton Rouge Parish, LA	Owners Project Manager	Tom Stephens, PE
Owners Address, Phone, Email	222 Saint Louis Street, 8th Floor, Baton Rouge, LA 70802 225.389.3186 tstephens@brla.gov		
Services Commenced by this Firm (mm/yy)	10/12	Total Consultant Contract Cost (\$1,000's)	\$1,818
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$1,111

Project Description:

Waggoner was contracted by East Baton Rouge Parish Department of Transportation and Drainage, in cooperation with the FHWA and LADOTD, to provide NEPA environmental documentation, planning, **topographic and property surveying, ROW mapping, and preliminary and final plans** for this MOVEBR program project. Hooper Road is an existing two-lane rural roadway with steep open ditch drainage from Blackwater Road to Sullivan Road in suburban Central, LA. MoveBR is proposing capacity and **safety upgrades** to the corridor using a four-lane boulevard with **subsurface drainage, sidewalks, bike paths, and intersection improvements**.

A formal Environmental Assessment was prepared by Waggoner and a FONSI was granted by FHWA. Waggoner prepared preliminary and final roadway and drainage plans for this 2.2-mile-long corridor. The four-lane boulevard features a 16-foot-wide raised median, 11-foot lanes, a dedicated five-foot bike lane in both east-bound and west-bound directions, five foot sidewalks, and a new two-lane roundabout at the intersection of Hooper Road and Lovett Road. The sidewalks and pedestrian accommodations are **ADA compliant** and consistent with PROWAG guidelines. Turn lanes and R-CUT bulb outs were added to safely accommodate U-turn movements throughout the boulevard section.



The construction plans include the following:

- Typical sections
- Pay item quantities
- Roadway plan and profiles
- Drainage plan and profiles w/subsurface drainage systems
- Existing and design drainage maps
- Geometric layouts and details
- Pcc pavement joint layouts and graphical grades
- Suggested sequence of construction
- Pedestrian signal plans
- Permanent striping and signing layout
- Roadway lighting plans
- Utility relocation space allocation layouts
- Cross sections

The topographic and property surveys and ROW maps were prepared in accordance to DOTD location and survey standards and deliverables. The ROW maps were reviewed by location and survey since this is a state highway.

Waggoner also performed QL-D, QL-C, QL-B, and QL-A SUE services for the project. Test holes were performed at critical conflict points. A utility conflict matrix was prepared and updated throughout the design process.

As the prime consultant, Waggoner managed the project schedule, held and documented design meetings and status meetings with the client, and participated in cost risk assessments.

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Drainage Evaluation
- ✓ Utility Coordination
- ✓ Comment & Response Logs
- ✓ Electronic Plan Development
- ✓ Preliminary & Final Road Plans
- ✓ Traffic Management Plan
- ✓ Topographic Survey
- ✓ Property Survey
- ✓ ROW Map
- ✓ Construction Support

Team Members Involved:

Robert Lear, Miles Williams, Alex Farr, Bryan Harmon, Joshua Renard, Jace Ricard

17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane)	Past Performance Evaluation Category(ies)*	Other (Project Management), Road, Traffic
		Firm Responsibility	
Project Number	H.010652	Owner's Name	LADOTD
Project Location	East Baton Rouge Parish, LA	Owners Project Manager	Ryan Felder, PE
Owners Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70804 225.379.1366 ryan.felder@la.gov		
Services Commenced by this Firm (mm/yy)	08/21	Total Consultant Contract Cost (\$1,000's)	\$485.1
Services Completed by this Firm (mm/yy)	05/23	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$383.2

Project Description:

Waggoner (formerly Sigma) was contracted by LADOTD to provide the engineering for the development of preliminary and final plans to fully reconstruct existing LA 73, including complete pavement and base removal and replacement, curbs and gutters, and sidewalks from Airline Highway to the I-12 on-ramp near Drusilla Lane, and for **concrete pavement patching and repair of damaged curbs and sidewalks** from the I-12 on-ramp to Essen Lane. This plan development consists of all engineering services including a summary of estimated quantities and cost estimates for the approximate 2.3-mile roadway.

Waggoner completed the final construction plans with **emphasis on the suggested sequence of construction** to minimize impacts to the motoring public on the major arterial.

Plan Development

- Road design
- Drainage evaluation
- Utility coordination
- MOT construction sequence
- Signing and striping



Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Drainage Evaluation
- ✓ Utility Coordination
- ✓ Comment & Response Logs
- ✓ Electronic Plan Development
- ✓ Preliminary & Final Road Plans
- ✓ Traffic Management Plan
- ✓ Construction Support



Team Members Involved:

Robert Lear, Miles Williams, Bryan Harmon, Kelsie Bankston



17. FIRM EXPERIENCE:

Firm Name	APS Engineering and Testing		
Project Name	I-10 Widening LA 415 to Essen Lane	Past Performance Evaluation Category(ies)*	Geotech
		Firm Responsibility	
Project Number	H.004100	Owner's Name	LADOTD
Project Location	Baton Rouge, LA	Owners Project Manager	Kristy Smith, PE
Owners Address, Phone, Email	1201 Capital Access Rd., Baton Rouge, LA 70802 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

Project Description:

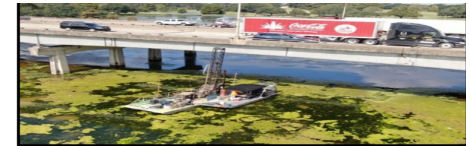
Comprehensive Geotechnical Investigation and Design Support-APS Engineering and Testing, LLC performed a comprehensive geotechnical investigation to provide the client with all necessary subsurface information for the planning and design of the I-10 widening project between the Washington Street Exit 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 LADOTD standards. The project required complex over-water operations with specialized equipment mobilization and safety compliance procedures. Laboratory testing was performed exclusively in our AASHTO-Accredited Geotechnical Laboratory, including:

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

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

Project Relevance:

- ✓ Geotechnical Explorations
- ✓ Geotechnical Design
- ✓ Geotechnical Construction
- ✓ CMAR
- ✓ Constructability
- ✓ Contract Management



Team Members Involved:

Sergio Aviles, Sai Eddanapudi, Surendra Pathak



17. FIRM EXPERIENCE:

Firm Name	APS Engineering and Testing		
Project Name	Comite River Diversion Bridge at LA 67, LA 19 and LA 19 Railroad Bridge	Past Performance Evaluation Category(ies)*	Geotech
		Firm Responsibility	
Project Number	H.001352; H.002273	Owner's Name	Huval & Associates, Inc.
Project Location	East Baton Rouge, Louisiana	Owners Project Manager	
Owners Address, Phone, Email	922 West Don't des Mouton Rd., Lafayette, LA 70507 337.264.3798 tgattle@huvalassoc.com		
Services Commenced by this Firm (mm/yy)	11/19	Total Consultant Contract Cost (\$1,000's)	N/A
Services Completed by this Firm (mm/yy)	06/22	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$150

Project Description:

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

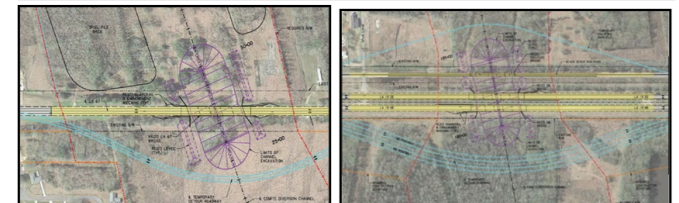
- Moisture content (ASTM D2216)
- Liquid limit, plastic limit, and plasticity index (ASTM D4318)
- Unconsolidated-Undrained triaxial compression (ASTM D2850)
- One-Dimensional Consolidation (ASTM D2435)

All data was analyzed to develop the geotechnical design parameters for Slope Stability, Settlement, MSE wall, and Deep Foundations design. As the project advanced into construction, A P S was also retained by LADOTD 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

Project Relevance:

- ✓ Geotechnical Explorations
- ✓ Geotechnical Design
- ✓ Geotechnical Construction
- ✓ CMAR
- ✓ Constructability
- ✓ Contract Management



Team Members Involved:

Sergio Aviles, Sai Eddanapudi, Surendra Pathak



17. FIRM EXPERIENCE:

Firm Name	APS Engineering and Testing			
Project Name	US-90 Railroad Overpass (S. East of LA-85)	Past Performance Evaluation Category(ies)*		Geotech
		Firm Responsibility	Subconsultant	
Project Number	H.010155	Owner's Name	Shread-Kurykendall & Associates, Inc	
Project Location	Iberia Parish, LA	Owners Project Manager	Nicci D. Gill	
Owners 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

Project Description:

Comprehensive Geotechnical Investigation and Design for 2,400-Foot Span Bridge

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

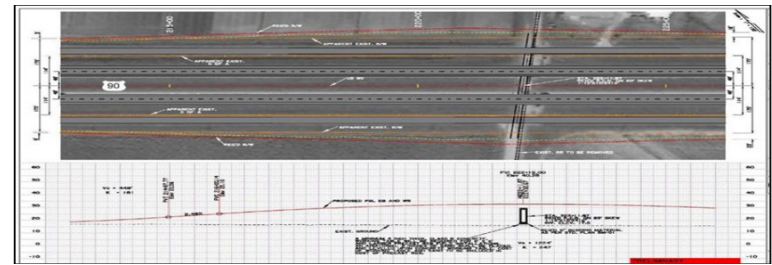
All laboratory testing was performed in our AASHTO-accredited laboratory following ASTM standards, including:

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

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

Project Relevance:

- ✓ Geotechnical Explorations
- ✓ Geotechnical Design
- ✓ Geotechnical Construction
- ✓ CMAR
- ✓ Constructability
- ✓ Contract Management



Team Members Involved:

Sergio Aviles, Sai Eddanapudi, Surendra Pathak



17. FIRM EXPERIENCE:

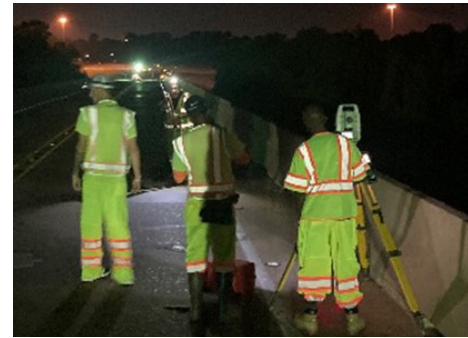
Firm Name	NTB Associates, Inc.		
Project Name	Jimmie Davis Bridge (LA 511) Design-Build	Past Performance Evaluation Category(ies)* Other (SUE), Right-of-Way, Survey	
	Firm Responsibility	Subconsultant	
Project Number	H.001779	Owner's Name	LADOTD Baton Rouge/James Construction/Huval & Associates, Inc.
Project Location	Bossier & Caddo Parishes, LA	Owners Project Manager	Thomas Gattle, III, PE
Owners Address, Phone, Email	922 West Pont Des Mouton Road, Lafayette, LA 70507 337.234.3798 tgattle@huvalassoc.com		
Services Commenced by this Firm (mm/yy)	01/22	Total Consultant Contract Cost (\$1,000's)	\$1,168
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$1,168

Project Description:

NTBA is performing Static GPS control, topographic and property surveying services, traffic control, utility coordination services, QL A, B, C, & D utility designating/locating, as well as preparing title takeoffs, 60% ROW Maps, Final ROW Maps, and legal descriptions for the design-build project to replace the Jimmy Davis Bridge across the Red River. The scope of this project consists of constructing a new four lane structure carrying LA 511 across the Red River, converting LA 511 (Jimmie Davis Hwy) into a four-lane, median-divided highway on the east side of bridge; as well as providing full access interchanges between LA 511 and Clyde Fant Memorial Parkway and Arthur Ray Teague Parkway. NTBA designed and implemented a Traffic Control Plan for a bridge closure to verify the horizontal and vertical control set by LADOTD during the original survey and verified the vertical control for both sides by running digital levels across the bridge, which was not performed in the original survey. All of this was completed during night shifts to ensure the safety of employees and the public as well as to avoid traffic disruptions.

NTBA performed property surveys and title take-offs for approximately 50 properties adjacent to the route and a property survey submittal prepared with apparent ROW shown. Final Mylar ROW Maps have been submitted for 21 parcels requiring ROW taking. The set included 21 plan and 1 title sheet.

NTBA performed SUE services to designate all utilities within the project limits. A conflict matrix was created showing the utilities in conflict with the construction. We are coordinating with the utility owners to relocate utilities that conflict with the construction and will monitor the relocation to ensure compliance with relocation plans. NTBA is utilizing the Louisiana Department of Transportation Survey and Design Manual Addendum A as well as CI/ASCE Standard 38-02.



Project Relevance:

- ✓ Topographic Survey
- ✓ Title Takeoffs
- ✓ Property Survey
- ✓ ROW Maps
- ✓ SUE Services
- ✓ SUE & Utility Relocation



Team Members Involved:

Mike King, Bryan Bunch, Patrick Staiano, John King

Waggoner Engineering, Inc.

17. FIRM EXPERIENCE:

Firm Name	NTB Associates, Inc.		
Project Name	Rural Bridge Replacement Initiative Phase II	Past Performance Evaluation Category(ies)*	Survey
		Firm Responsibility	
Project Number	4400019338	Owner's Name	LADOTD
Project Location	Districts 02, 03, 07, 61, & 62	Owners Project Manager	Valerie Tourres, PE
Owners Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70806 225-379-1308 Valerie.Tourres@la.gov		
Services Commenced by this Firm (mm/yy)	09/20	Total Consultant Contract Cost (\$1,000's)	\$1,289
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$1,289

Project Description:

NTBA is performing GPS Control surveys, topographic surveys, property surveys, title take-offs, legal description preparation, preliminary and final ROW mapping, and QL C & D subsurface utility services for 21 bridge and culvert replacements throughout South Louisiana. Topographic surveying includes surveying of all sub-surface drainage structures, 200 feet upstream and downstream with cross-sections every 50 feet along channels, deck gutter lines, centerline of joints, low chord elevations, bent locations, and ROW 800 feet either side of the structure. Subsurface utility engineering services include QL C and QL D utility mapping. NTBA produced electronic topographic drawings in MicroStation depicting all utility and topographic information. Data was provided to the engineering consultant for incorporation into their hydraulic model being utilized to evaluate the system

Boundary surveying has been performed for 15 bridges with approximately 50 parcels. Services include surveying of each parcel affected by either construction servitude or additional ROW requirements as well as production of property survey submittal, preliminary and final ROW maps, and parcel descriptions. All services are being completed in accordance with the Location and Survey Manual Addendum A and all currently accepted Location and Survey Automated procedures.



Project Relevance:

- ✓ Topographic Survey
- ✓ Property Survey
- ✓ Title Takeoffs
- ✓ ROW Maps
- ✓ SUE Services



Team Members Involved:

Bryan Bunch, Mike King, Patrick Staiano

17. FIRM EXPERIENCE:

Firm Name				NTB Associates, Inc.			
Project Name		IDIQ Contract for Professional Boundary Surveying Services		Past Performance Evaluation Category(ies)*		Survey	
		Firm Responsibility		Prime			
Project Number		4400027918		Owner's Name		LADOTD	
Project Location		Livingston, Vernon, & Natchitoches Parishes LA		Owners Project Manager		J. Mark Williams/Jason David	
Owners Address, Phone, Email			1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1828 Jonathan.Williams3@la.gov 225.379.1155 jason.david@la.gov				
Services Commenced by this Firm (mm/yy)		See Task Orders Below		Total Consultant Contract Cost (\$1,000's)		\$1,000	
Services Completed by this Firm (mm/yy)				Cost of Consultant Services Provided by this Firm (\$1,000's)		\$122	

Project Description:

Task Order No. 1 (H.015576): LA 447 & LA 1025 Roundabout, Livingston Parish, LA (09/24 - On-going)

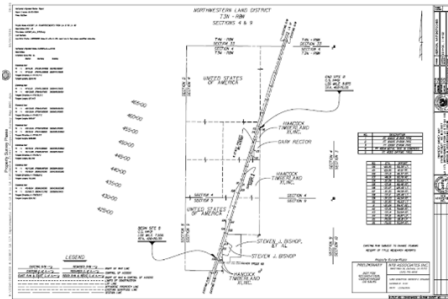
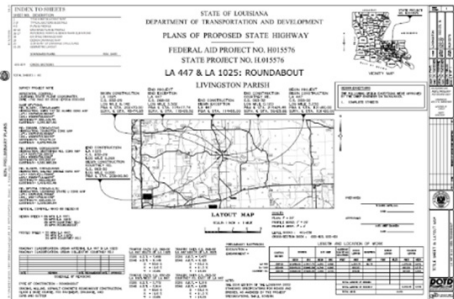
NTBA is performing topographic surveys, property surveys, title take-offs, description preparations, preliminary and final ROW mapping in support of design plans to replace the existing four-way stop with a roundabout. The project is in Livingston Parish, approximately 3.2 miles north of Walker, LA. The intersection of LA 447 (Walker Road North), LA 1025 (Arnold Rd), and Courtney Rd is currently a four-way stop. This project will replace the existing four-way stop with a roundabout. Approximately 23 parcels will be affected by the required ROW. NTBA utilized the existing project control from the topographic survey performed by others. However, NTBA performed topographic surveys to pick up structures within 50 feet of the required ROW lines for the project.

Project Relevance:

- ✓ Topographic Survey
- ✓ SUE Services

Task Order No. 2 (H.013817): LA 117: Improvements from LA 8 to LA 118, Vernon & Natchitoches Parishes, LA (10/24 - 03/24)

NTBA performed property surveys and title take-offs in support of roadway design improvements. This project was located approximately 7 miles north of Leesville and consisted of five sites along LA 117, of which 4 sites were included in the property survey. There were approximately 16 parcels within the project limits with nine landowners, of which the largest landowner is the United States of America. The sites along LA 117 are bounded on the west by Peason Ridge WMA, which contains property used by the Joint Readiness Training Center for US military exercises. A portion of the project was also within Kisatchie National Forest. Because of the large amount of property owned by the United States Government, NTBA surveyed whole sections to establish property lines for the project. NTBA scheduled field work to not conflict with US military exercises and had to avoid portions of US Government property that had signage warning of the potential for unexploded ordnance. Upon submittal of the property survey, LADOTD determined the existing ROW of LA 117 was sufficient for the proposed design improvements, and that no additional ROW would be required.



Team Members Involved:

Bryan Bunch, Patrick Stainano



17. FIRM EXPERIENCE:

Firm Name	Vectura Consulting Services, LLC		
Project Name	I-20: LA 544 Overpass Replacement	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Subconsultant
Project Number	H.010616	Owner's Name	LADOTD
Project Location	Baton Rouge, LA	Owners Project Manager	Jacob Fusilier
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1185 Jacob.Fusilier@la.gov		
Services Commenced by this Firm (mm/yy)	04/23	Total Consultant Contract Cost (\$1,000's)	Unknown
Services Completed by this Firm (mm/yy)	10/23	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$131.973

Project Description:

Vectura performed a **Level 2 Traffic Management Plan (TMP)** that included the following activities:

- Preliminary and final traffic studies
- Temporary and final **traffic signal plans**
- Traffic Management Plan (TMP)
 - Safety strategy that included a CATScan
 - LOS determination utilizing Citrix data
 - **Lane closure recommendations based on a queue analysis**
 - Cost estimate
 - Public information strategies

Project Relevance:

- ✓ Transportation Management Plan (TMP)
- ✓ Traffic Systems Management (TSM)



Team Members Involved:

Laurence Lambert, Brin Ferlito, Reece Rodrigue, Kristen Farrington
(100% performed in Louisiana)

17. FIRM EXPERIENCE:

Firm Name	Vectura Consulting Services, LLC		
Project Name	US 11 (Front St.) at US 190 Bus. (Fremaux Ave.) Traffic Study	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Subconsultant
Project Number	N/A	Owner's Name	City of Slidell
Project Location	Slidell, LA	Owners Project Manager	Eric Lundin
Owners Address, Phone, Email	250 Bouscaren Street, Slidell, LA 70458 985.646.4320 elundin@cityofslidell.org		
Services Commenced by this Firm (mm/yy)	9/17	Total Consultant Contract Cost (\$1,000's)	unknown
Services Completed by this Firm (mm/yy)	11/17	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$38.8

Project Description:

Vectura was hired as a sub-consultant to the prime consultant to perform a traffic study for the City of Slidell as part of improvements to the intersection of US 11 (Front St.) at US 190 Bus. (Fremaux Ave.). The goal of the study was to determine if a pedestrian crossing and pedestrian traffic signal heads were warranted. To conduct the pedestrian study, the following tasks were performed by Vectura:

Data Collection

- AM and PM peak hour turning movement counts for five intersections
- AM/PM peak 15-minute turning movement counts for 10 driveways on Fremaux Ave.
- 24-hour traffic approach volumes, speed data, crash history and sight distance for the intersection of US 190 Bus. (Fremaux Ave.) at US 11 (Front St).
- Weekday and weekend pedestrian counts for the intersection of US 190 Bus. (Fremaux Ave.) at US 11 (Front St).

Draft Traffic Study

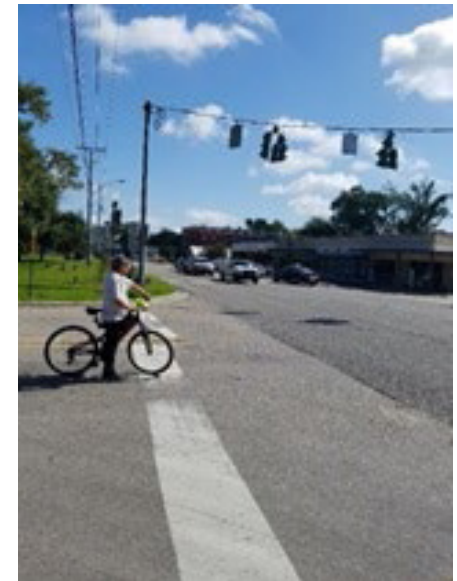
This task included a Crosswalk Traffic Study for US 190 Bus. (Fremaux Ave.) @ US 11 (Front St.) as Per DTOE, Traffic Engineering Manual (TEM) Section 3B.2.9, Section 20.2 & EDSM VI.3.1.6 Section 6.

This task included the following elements:

- Developed three-year crash analyses
- Performed pedestrian crosswalk warrants as per TEM Section 3B.2.9
- Performed Vistro and HCS analyses for AM and PM Peak existing conditions, Implementation and design year conditions. The analyses included intersection and segment levels of service as well as signal timing and progression for the five intersections.
- Developed traffic study and electronic files. The Study documented how traffic will be routed with the proposed median on Fremaux Ave., the impacts to Front St., and conflict analysis for the crosswalks and pedestrian heads.

Project Relevance:

- ✓ Transportation Management Plan (TMP)
- ✓ Traffic Systems Management (TSM)



Team Members Involved:

Laurence Lambert, Brin Ferlito (100% performed in Louisiana)

17. FIRM EXPERIENCE:

Firm Name	Vectura Consulting Services, LLC		
Project Name	Stage 0 Feasibility Study - US 190B/ Fremaux Ave. Sidewalk Study	Past Performance Evaluation Category(ies)*	Traffic
		Firm Responsibility	Subconsultant
Project Number	H.972462.1	Owner's Name	New Orleans Regional Planning Commission
Project Location	Slidell, LA	Owners Project Manager	Nelson Hollings
Owners Address, Phone, Email	10 Veterans Blvd, New Orleans, LA 70124 504.483.8523 nhollings@norpc.org		
Services Commenced by this Firm (mm/yy)	09/16	Total Consultant Contract Cost (\$1,000's)	\$65
Services Completed by this Firm (mm/yy)	05/17	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$30

Project Description:

Vectura was hired as a subconsultant to collect data for vehicles, pedestrians, and bicycles for a sidewalk improvement on US 190B in Slidell, LA. Vectura collected 7-day classification counts at two locations, 7-day ped and bike counts at two locations, six turning movement counts, three turning movement counts with demand, 15-minute driveway counts and three radar spot-speed survey. Vectura coordinated with the City of Slidell and DOTD District 62 to identify the peak periods for the turning movement counts. Vectura then processed the turning movement counts from our video camera (as shown to the right). All the data was formatted and included in the traffic report to conform to the DOTD TEPR format.

Project Relevance:

- ✓ Transportation Management Plan (TMP)
- ✓ Traffic Systems Management (TSM)



Team Members Involved:

Brin Ferlito, Laurence Lambert, Kristen Farrington, Reece Rodrigue (100% performed in Louisiana)

Section 18

LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane)
H.010652

Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)
Lead Road Design Firm

Past Performance Disciplines performed by Waggoner:
Road, Traffic



18. APPROACH AND METHODOLOGY:

IDIQ BACKGROUND AND UNDERSTANDING

Waggoner fully understands that LADOTD's Indefinite Delivery/Indefinite Quantity (IDIQ) contracts are structured to provide rapid, flexible, and cost-effective engineering services across multiple project types within District 61. The purpose of this vehicle is to ensure LADOTD has immediate access to qualified professionals who can manage varying scopes and schedules without the delays of individual procurements.

We are well-versed in this framework, having successfully executed multiple LADOTD retainer and IDIQ contracts, including:

- Roadway Design Retainer Contracts (44-2747 and 44-19010)
- Highway Safety IDIQ Contracts (44-2710)
- Bridge Preservation Retainer Contracts (44-0634)
- Subsurface Utility Engineering (SUE) Contracts (44-19183 and 44-25512)

We understand that LADOTD's IDIQ program prioritizes Full-Size Design Plans and Pavement Preservation projects. Building on more than 30 years of proven experience from our transition from Sigma Consulting Group, the Waggoner team delivers complete plan sets that meet LADOTD standards, streamline reviews, and ensure constructability. We are also skilled in evaluating pavement conditions and recommending cost-effective preservation strategies that extend roadway life, minimize traffic disruptions, and optimize budgets.

Two seasoned professionals lead our team, bringing decades of LADOTD experience and technical design expertise to every task order. Together, they ensure the Waggoner team delivers solutions that are proactive, innovative, and fully aligned with LADOTD's goals.



Alex Farr, PE | Project Manager - Alex offers extensive experience in roadway design and project management, with a proven track record of delivering LADOTD projects from concept through construction. He is skilled in applying LADOTD design standards, managing multidisciplinary teams, and coordinating effectively with district staff and stakeholders. Alex's leadership ensures task orders are scoped accurately, developed efficiently, and delivered on schedule. His focus on constructability, communication, and problem-solving makes him a valuable asset to the Waggoner team and to LADOTD.



Robert Lear, PE, LSI | QA/QC Manager - Robert has more than 25 years of experience developing LADOTD compliant plans and is recognized for his strength in roadway designs. His expertise spans geometric design, hydraulics, and bridge layouts, with an emphasis on accuracy, constructability, and schedule adherence. Robert's leadership in plan production and quality control ensures deliverables are technically sound and meet LADOTD standards at every milestone.

We have partnered with subconsultants Vectura Consulting Services, LLC (Vectura), APS Engineering and Testing (APS), and NTB Associates, Inc. (NTBA) to form a team with both the technical resources and LADOTD experience needed to help the Department implement its Strategic Improvement Plan. Our team has a history of working together on LADOTD projects with a proven track record of successful on-time project delivery.

Our mission is to be a valued partner with LADOTD in realizing the Goals for Improvement outlined in the Strategic Improvement Plan.

APPROACH AND KEYS TO SUCCESS

Our approach to this IDIQ contract include the following elements, which are key to successfully delivering all project types:

Swift Execution of Task Orders: Our team will coordinate closely with the LADOTD project manager to identify opportunities for early coordination, minimizing response times and ensuring all task orders are completed on or ahead of schedule. We acknowledge that this contract is assigned a compressed time frame.

Define Expectations Early: Effective communication drives project success. We will actively engage all stakeholders and remain committed to meeting or exceeding expectations during task order negotiations, scoping, and schedule development. We will document each discussion and apply the outcomes consistently across the contract.

Establish Communication Protocols and Documentation: As part of our Project Management Plan (PMP), we will establish a communication matrix identifying key team members, assignments, and responsibilities. All major meetings and discussions will be documented, as well as all submittal reviews, comments, and decisions. Waggoner has adopted LADOTD's Form DR as our standard for documenting all submittal review comments and responses. This form originated in the design-build process and has a proven track record for effectively addressing and resolving comments.

Diligent Project Management: Our project manager, Alex Farr, PE, will actively advance the project schedule, monitor the budget, and forwardly orchestrate the design team to meet the project goals for each task order.

Site Visits: There is no substitute for seeing existing conditions firsthand to grasp the full scope and details needed for a successful design project. For each task order, whether for pavement preservation or full design projects, all key personnel will visit the site to gain a firsthand understanding of the landscape, constraints, and existing conditions of the project corridor.

Quality Control: Waggoner has a rigorous quality control process that will be incorporated throughout the contract. Every submittal will be reviewed for both technical accuracy and relevant content. A copy of our quality control procedures will be submitted to LADOTD upon selection.

METHODOLOGY

The LADOTD project delivery manual (PDM) forms the backbone of our methodology. The Waggoner team applies the systematic plan and principles outlined in the PDM and supplements with them with procedures and directives from the LADOTD Road Design Manual, Hydraulics Manual, and all relevant minimum design guidelines.

The following outline of services highlights the project development process we will follow, beginning with task order initiation, for a typical task order issued under this IDIQ contract and adjusted as appropriate for tasks that deviate from this standard.

Scope and Task Development: Upon task order assignment, we will work with the LADOTD project manager to define scope, establish the project purpose and need, and set key parameters such as manhours, sheet count, and schedule. We will also address any NEPA or Stage 0 requirements and complete the preliminary scope and budget checklist. This early coordination aligns LADOTD and Waggoner on goals, deliverables, and expectations, enabling accurate manhour estimates for fee negotiation.

Kick-Off Meeting and Work Planning: Once a Notice to Proceed is issued, Waggoner and LADOTD will hold a project kick-off meeting, preferably in person. The appropriate LADOTD and Waggoner team members will walk through the task order/project scope, determine the dates for milestone deliverables, and estimate LADOTD review periods at each milestone. The project design criteria, Stage 0 environmental constraints, and safety concerns will also be discussed and documented. Any LADOTD provided services will be requested at this meeting. All project points of contact with contact information will be collected and minutes of the meeting will be distributed to all pertinent personnel.

Field Visit: We will conduct field visits within the project limits to better understand the site and identify potential deficiencies related to existing safety features and condition of existing signs and striping. We will also note any site constraints that could impact construction or design. Key areas of interest typically include utility conflicts, existing drainage structures, visible drainage problems, geometric concerns, pavement condition, and details of existing pedestrian facilities.

SURVEYING SERVICES

Our Louisiana-licensed surveyor, Jace Ricard, PLS, will lead our surveying services using his knowledge and understanding of the processes and delivery requirements in the LADOTD Location & Survey Manual (Oct. 2023) and Addendum A (March 2024). Our subconsultant, NTB Associates will augment our survey team to ensure our team provides capacity to perform on multiple task orders of medium to large size simultaneously.

Topographic Surveys: All surveys begin with control surveys. Our team will meet or exceed LADOTD standards for horizontal and vertical precision, defining the appropriate datums, projections, and geoids. LADOTD will approve control sketches before surveys commence. Depending on terrain, we will collect data using RTK, robotic total stations, or 3D LiDAR terrestrial

scanning to ensure accuracy. Digital levels will establish vertical control at temporary benchmarks (TBMs). We will code all data and attributes using the LADOTD Feature Code Guide Book. As part of the topographic survey, we will document the location, type, size, and inverts of all drainage structures within the design limits, as well as inventory roadside features such as driveways, mailboxes, and above-ground utilities.

Property Surveys and Right-of-Way (ROW) Services: For each assigned task order where ROW acquisition is required, we will begin by performing property surveys to establish horizontal and vertical control, collect detailed topographic data, and identify existing ROW limits, utilities, drainage features, and property boundaries. Using this certified survey information, our team will then prepare Base ROW maps that show existing ROW, property lines, and potential conflicts. These Base maps serve as the foundation for LADOTD review and coordination, allowing acquisition planning and utility adjustments to begin. After LADOTD approval of the Base submittals, we will complete the title take-offs and incorporate the approved ROW lines, legal descriptions, and title research into Final ROW maps. These Final maps will clearly depict proposed acquisitions, servitudes, and easements, and will meet LADOTD standards for property acquisition, legal filing, and construction use.

GEOTECHNICAL SERVICES

Our team includes APS, a Baton Rouge-based DBE geotechnical firm, which will provide all geotechnical investigations and testing services under this contract.

Geotechnical Field Investigations and Analysis: The team will perform a desktop study to obtain the data available in the region through various available resources and evaluate the boring locations and depths with the PM. At a minimum, sampling locations and reporting shall be in accordance with LADOTD standards.

After receiving the necessary permits, the team will prepare a geotechnical investigation plan, traffic control plan, make a site reconnaissance visit, mark the boring locations in the field and perform a Louisiana One-Call to obtain clear known utilities. The soil borings will be collected and transported (ASTM D4220 standards) to APS's AASHTO accredited laboratories. The thickness of the existing pavement will be noted in places where soil borings will be completed and in additional locations mentioned by the engineer.

Laboratory Services: A field representative will complete a chain-of-custody form before delivering the samples to the geotechnical laboratory. The laboratory supervisor will maintain the field logs and extrude any soil samples that are left in the tubes. At a minimum, the locations shall be in accordance with EDSM II.2.1.6. The project manager will be kept up to date with the project status on a regular basis. APS's Baton Rouge lab is accredited by the Louisiana Environmental Laboratory Accreditation Program (LELAP) through the Louisiana Department of Environment Quality (LDEQ).

ENGINEERING DESIGN SERVICES

Project Design Criteria: The LADOTD minimum design guidelines for the applicable functional classification will serve as the basis for all anticipated projects. We will prepare the applicable Design Report Form to document

proposed features along with supporting discussions for identified design waivers or design exceptions. The draft report will be submitted with the 60% Preliminary Plans submittal to engage stakeholders and reviewers early in the project timeline.

We have extensive experience in developing design waivers and exceptions for LADOTD projects when preferred or acceptable values are unachievable or impractical. We employ FHWA and DOTD acknowledged mitigation strategies such as practical design and Highway Safety Manual methods and tools for addressing waivers and exceptions.

Roadway Design: We utilize MicroStation, InRoads/OpenRoads, and CAD Conform to design and create roadway plans and calculations. We know LADOTD's preliminary and final plan delivery requirements and milestones as shown in the Road Design Manual. The LADOTD Road Design Manual, AASHTO Green Book 2018, Roadside Design Guide, LADOTD Hydraulics Manual, MUTCD, LADOTD Complete Streets Policy and accepted LADOTD reference material will be used to guide the road design process. The following section further outlines the typical plan development forecast for the typical task order under this contract. We will also adapt to whatever delivery process is needed by LADOTD to most effectively deliver the scope of the project, including letter-sized plans, when appropriate.

Bridge Design: While bridge/structural related work is typically less frequent under the District IDIQs, we are well positioned to assist District 61 with any bridge and structural related tasks. We have the necessary breadth and depth of experience working on various structure types in Louisiana that we will leverage, if needed, including bridge replacements, rehabilitations, damage assessments, load ratings, sign supports, box culvert modifications, and retaining walls. All designs and plans will be performed and developed in accordance with the latest version of AASHTO LRFD Bridge Design Specifications as supplemented by the LADOTD Bridge Design and Evaluation Manual along with applicable Bridge Design Technical Memoranda (BDTMs).

Hydraulic Analysis and Design: LADOTD's HydroWin software and LADOTD's Hydraulics Manual will be the primary tools for hydraulic design on typical projects. We will perform any necessary analysis to provide sufficient design drainage along the roadway and adjacent areas to ensure proper management of stormwater.

Utilities & Subsurface Utility Engineering (SUE) Services: Waggoner develops a utility conflict matrix for every project to guide coordination. These matrices identify conflict points, recommend appropriate SUE locate/designate methods, and outline final resolutions. Both Waggoner and our subconsultant, NTBA, bring proven SUE capabilities and integrate this expertise directly into our design approach and methodology.

Environmental Process Support: Our team will develop sketches or exhibits necessary to obtain required permits. We also have experience preparing storm water pollution prevention plans (SWPPP) in accordance with the National Pollution Discharge Elimination System (NPDES) permit.

TRAFFIC CONTROL DESIGN, TRAFFIC SIGNAL ANALYSIS & DESIGN

All necessary traffic related services will be performed by our subconsultant, Vectura. Their staff has the necessary LADOTD TEPR training, PTOE requirements, and expertise in LADOTD's Traffic Signal Design Manual, Traffic Engineering Process and Report, and EDSM VI.1.1.8 for Transportation Management Plan development.

PLAN DEVELOPMENT AND LETTING SUPPORT SERVICES

For Full-Size Design Plans, the preliminary and final plan development process will typically follow the road design tasks for completion milestones chart shown as Figure 1-03 in the LADOTD Road Design Manual. Milestone submittals will be made at the 30%, 60%, 90%, and 100% preliminary plan (PP) stages and at the 60%, 95% and stamped/signed 98% Final Plan stages.

All required documentation such as review comments and responses, QA/QC certifications, constructability review forms, opinions of probable construction cost (OPCC), and calculations will be submitted with each appropriate delivery milestone. A final OPCC will accompany the final plan submittal, including all required special provisions and non-standard item specification write-ups.

Key Milestones:

- ✓ **Predesign Tasks** - Conduct project team site visits, initiate Stage 0 environmental checklist or NEPA requirements, begin control and topographic survey, initiate data collection for traffic (if needed), and initiate geotechnical field investigation.
- ✓ **30% Preliminary Plans (PP)** - Prepare geometric design reports, establish typical sections and pavement design, and begin utility conflict matrix. Projects such as roundabouts rely heavily on 30%PP submittals to establish complex geometrics and complete streets design elements. For straightforward projects, we recommend eliminating this submittal and move directly to the 60% PP submittal phase to save LADOTD time and money.
- ✓ **60% PP** - Address comments from 30% PP submittal, establish horizontal and vertical geometry, design drainage and construction sequencing, prepare cross sections, initiate property survey, and establish apparent ROW.
- ✓ **90% PP and/or 95% Plan-In-Hand Submittal** - Address all comments from previous submittals, review for constructability, finalize required ROW, and complete preliminary QA/QC checklist. An opinion of probable construction cost and detailed pay item list are included in this submittal.
- ✓ **100% PP** - Address comments from the plan-in-hand meeting, finalize property survey and base ROW maps, and create permit sketches.
- ✓ **60% Final Plans (FP)** - Finalize typical section, roadway geometrics, drainage design, required right-of-way taking lines, and include quantities summary tables in the plans. Detail sheets such as geometric details, joint layouts, graphical grades, permanent pavement markings, permanent signing, traffic signal plans, structural details, and final drainage calculations are included in this submittal.
- ✓ **Joint Plan Review** - Meet with LADOTD Location & Survey section and ROW consultant to finalize ROW maps.

NOTE: We will not proceed to 90% final plans until Environmental Clearance has been obtained.

- ✓ **95% FP (Advance Check Prints)** - Address comments from the 60% FP review and JPR meeting, attend final plan review meeting with the project team, conduct final QA/QC checks, and complete final constructability/biddability review documents.
- ✓ **98% FP** - Address comments from the final plan review meeting, prepare full-sized sealed plans, final calculations, files, special provisions, and final construction cost estimate for submission to LADOTD.
- ✓ **100% FP** - Complete all final plans, specifications, and estimates, transmit plans to general files, and set the letting date.

For **Pavement Preservation Projects**, we recognize that the design process will follow an abbreviated submittal path tailored to the scope of preservation work. Instead of the full suite of submittals typical of new roadway design, these projects will focus on targeted deliverables that efficiently move from concept to construction. **Preliminary Plans** will be submitted at the 95% and 100% stages, ensuring adequate time for LADOTD to review and confirm scope and design assumptions before finalization. For the **Final Plans**, we will submit at 95% (ACP) and 100%, providing LADOTD with a streamlined review process while maintaining the technical accuracy and constructability expected of every deliverable. This approach reduces review effort, aligns with LADOTD's preservation program goals, and expedites project delivery without sacrificing quality.

Letting Support Services: Once the project has been advertised for bids, our team will provide responses to contractor questions submitted via the Falcon/WebSuite online site. If any questions result in the need for plan revisions, we will update the affected sheet(s) in accordance with EDSM No. I.1.1.28 - Procedures for final plan transmittal and final plan modifications, including plan revisions and/or plan changes resulting from change orders. We understand the time-sensitivity of these responses and will strive to provide quick, yet thorough replies once we are made aware of any new inquiry.

OPINION OF PROBABLE CONSTRUCTION COSTS, PAY ITEMS, AND QUANTITIES

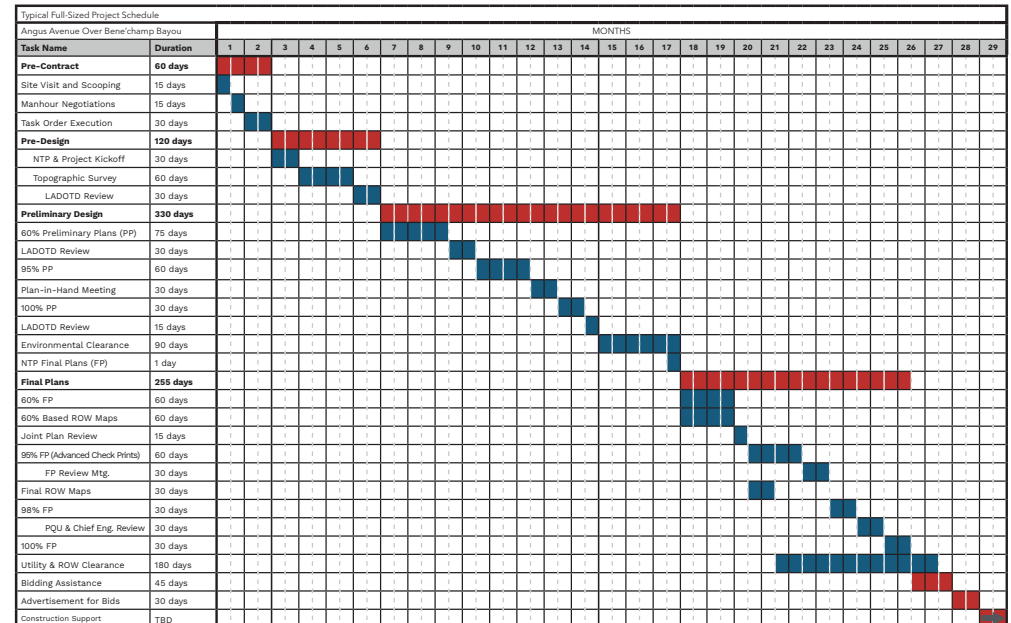
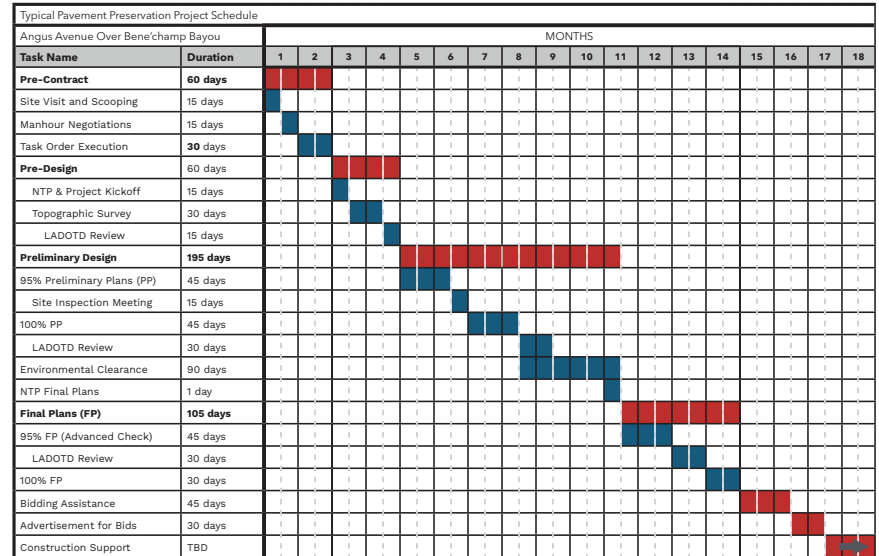
For each task order, we will prepare an Opinion of Probable Construction Cost (OPCC) at the 90% PP stage and update it with every subsequent submittal. Our design professionals have familiarized themselves with the new LADOTD 2026 Standard Specifications and pay item list and will lean on our extensive experience with the 2016 Standard Specifications to ensure all updates are incorporated into the plans and pay item lists. Waggoner will develop special provisions and assist with developing non-standard items when encountering scope that is not already detailed in the standard specifications. The team also understands and applies the requirements for breaking down quantities by construction funding sources and control sections when project limits cross control sections or parish lines.

CONSTRUCTION RELATED ENGINEERING SERVICES

Our team will remain involved with the project into the construction stage. This includes working with the LADOTD project manager, District personnel, and the CE&I consultants to address RFI's, assisting with solutions to unforeseen field conditions, reviewing project submittals from the contractor, and preparing plan changes when necessary. We will review each of these submittals to ensure conformity with the contract plans and specifications.

TYPICAL PROJECT SCHEDULES

We have worked on LADOTD projects for decades and understand the delivery and production processes for both a typical pavement preservation task order and a full-size design project task order. Our experience allows our team to "hit the ground running" and accelerates the project initiation phase, which is a large part of the work effort. Please see sample project schedules below representing both anticipated task order types.



Sections 19-23


LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane)
H.010652

Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)
Lead Road Design Firm

Past Performance Disciplines performed by Waggoner:
Road, Traffic





19. WORKLOAD:

Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
	Bridge	4400029912 (formerly 4400019338)	Rural Bridge Replacement Initiative Phase II (South) (16 Project #s)	\$342,708
		4400029918 (formerly 4400025041)	IIJA Off-System Bridge Program, District 62 (6 Project #'s)	\$124,620
		4400029197, H.016093	US 84: Grand Cane Bayou & Relief Bridges	\$351,186
	Other (SUE)	4400029911, H.001711	Saline Bayou Relief & Mill Creek Bridges	\$5,585
		4400029911, H.014375	US 190W Roundabouts SUE Coordination	\$30,289
	Right-of-Way	4400023782, H.013429	Entity Contract for Downtown Thibodaux Sidewalks	N/A
		4400025041	IIJA Off-System Bridge Program, District 62 (7 Project #'s)	\$17,490
	Road	44-19010, H.010652	LA 73: US 61 (Airline) - Essen Lane	\$2,349
		44-19010, H.010116	LA 1088: Soutl and Trinity Roundabouts	N/A
		unavail, H.004791	Belle Chase Bridge & Tunnel Replacement	N/A
		44-18646, H.004100	I-10: LA 415 to Essen Lane on I-10 and I-12	\$1,058,156
		44-24084, H.009300	CMAR Contract for Hooper Road Widening (LA 3034 - LA 37)	\$175,238
		4400004666, H.002868	Ambassador Caffery & US 90 Interchange Construction Support	N/A
	Survey	4400023782, H.013429	Entity Contract for Downtown Thibodaux Sidewalks	N/A
		4400025041	IIJA Off-System Bridge Program, District 62 (7 Project #'s)	N/A

	CE&I/OV	4400024653, H.01254.6	Wiggins Bayou Bridge	\$37,790
		4400024653, H.014560.6	LA-94 Vermillion River Bridge	\$33,507
	Geotech	4400019337/ H.014247	LA 399 Bridges Near Fullerton	\$24,307
		4400019337/ H.014245	LA 119; Bayou Pierre & Creek Bridges	\$23,654
		4400024653/ H.014982.5	Marathon Rd over Dry Creek	\$25,056
		4400019011/ H.012068.5	LA 1026 Creek Bridge	\$12,900
		4400024653/ H.014978.5	Bellard Loop over Untamed Drainage Ditch	\$28,545
		4400024653/ H.016323.5	LA 37 Glass Branch Bridge	\$6,431
		4400024653/ H.016326.5	LA 36 Drain Bridge Pearl	\$11,451
		4400024653/ H.016322.5	LA 81: W-11 Lateral & Bayou Black Bridges	\$15,508
		4400024653/ H.016312.5	LA 3116 Creek Bridges	\$20,014
		4400024653/ H.004005.5	I-10 LA415 to Essen Lane on I-10 and I-12	\$55,900
		4400024653/ H. 016321.5	LA 970 Creek Bridge	\$5,123
		4400024653/ H.016311.5	LA 1123 Box Culvert Creek Bridge	\$22,194
		4400024653/ H.016324.5	LA 1047 Drain Bridge	\$3,946






	Other (SUE)	4400026587, H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project	\$20,000
	Survey	4400019338 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58	\$57,419
		4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62	\$30,908
		4400027686, H.008768.5	IDIQ Contract for Hydrographic Surveying Services - Task Order No. 3 - Summer Bridges	\$14,047
		4400027686, H.008768.5	IDIQ Contract for Hydrographic Surveying Services - Task Order No. 4 - Fall Bridges	\$134,265
		4400027918, H.015576	IDIQ Contract for Professional Boundary Surveying Services - Task Order 1 - LA 447 & LA 1025 Roundabout	\$24,058
		4400027918, H.012869.5	IDIQ Contract for Professional Boundary Surveying Services - Task Order 3 - LA 182 (Univ) @ LA 723 (Renaud) Roundabout	\$27,332
		4400027918, H.011310.5	IDIQ Contract for Professional Boundary Surveying Services - Task Order 4 - Ford Street Extension, District 61	\$21,775
		4400027918, H.015721.5	IDIQ Contract for Professional Boundary Surveying Services - Task Order 5 - LA 30 Roundabout, Ascension Parish	\$23,592
		44000021975, H.004100.5	IDIQ Contract for Professional Surveying Services - Task Order 5 - I-10 LA 415 to Essen on I-10 and I-12, Route I-10	\$35,912
	CE&I/OV	4400020018, H.007160	EBR Computerized Traffic Signal, Ph VB	\$28,737
	ITS	4400016364, H.014511.1	Houma Regional ITS Architecture Update	\$10,746
	Traffic	4400005484, H.005168.2	New Orleans Rail Gateway Avondale EA	\$57,644
		H.004791	Belle Chasse Bridge & Tunnel Replacement PPP	\$11,202
		4400021519, H.012030.5	KCS RR Overpasses HBI	\$572
		4400023075, H.013522	S. Lewis Street Widening	\$7,499
		4400025299, H.01564.5	LA 47 Hayne Blvd Safety Improvements	\$9,437
		4400018271, H.014746.5	LA 383 Stage 0 Corridor Study	\$20,146
4400025299, H.013421.5	Dist. 02H Flashing Yellow Arrow Part 2	\$83,260		


20. CERTIFICATIONS/LICENSES:

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

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

Professional Development
Hours (PDHs) Awarded: 2





 Authorized Instructor
 
 Authorized Instructor
 
 Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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

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

Professional Development
Hours (PDHs) Awarded: 3





 Authorized Instructor
 
 Authorized Instructor
 
 Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

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

Date: October 18, 2018
Location: Baton Rouge, Louisiana

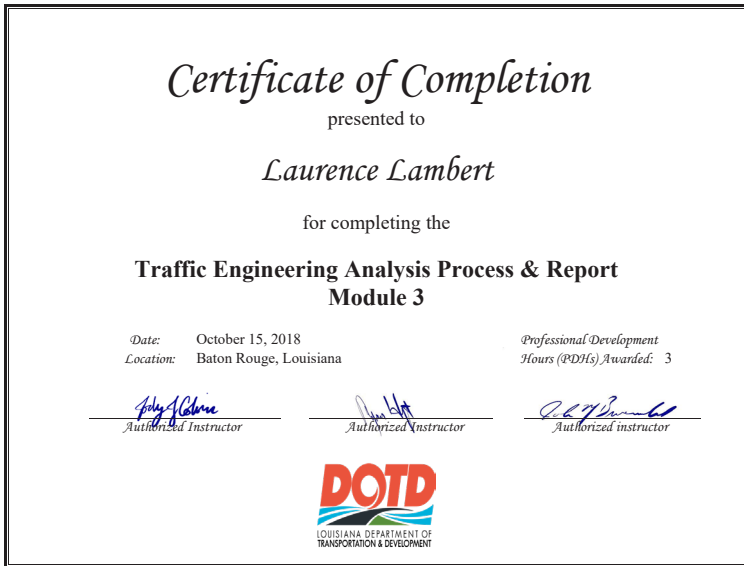
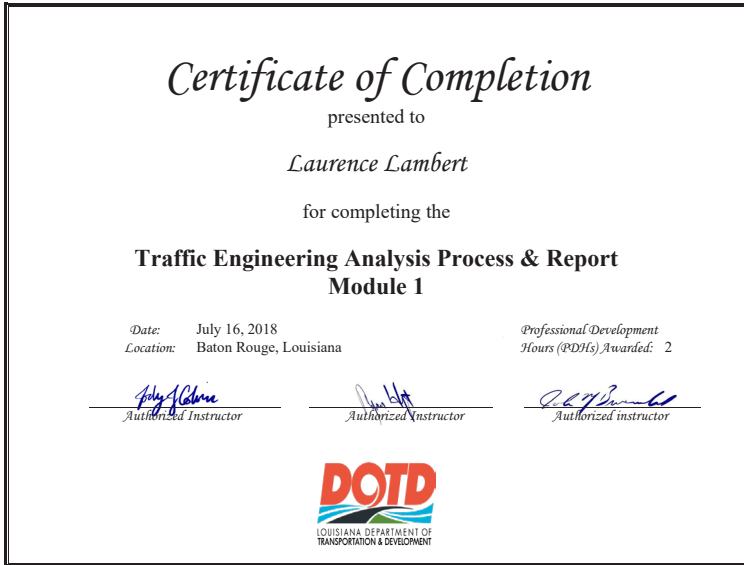
Professional Development
Hours (PDHs) Awarded: 3


 Authorized Instructor
 
 Authorized Instructor
 
 Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



20. CERTIFICATIONS/LICENSES:




20. CERTIFICATIONS/LICENSES:

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

Date: November 5, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 2


Jody A. Colvone *John Holt* *Robert J. Pennell*
Authorized Instructor Authorized Instructor Authorized instructor



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

Date: November 26, 2018 *Professional Development*
Location: Baton Rouge, Louisiana *Hours (PDHs) Awarded:* 3.5


Jody A. Colvone *John Holt* *Robert J. Pennell*
Authorized Instructor Authorized Instructor Authorized instructor



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

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

Jody A. Colvone *John Holt* *Robert J. Pennell*
Authorized Instructor Authorized Instructor Authorized instructor






20. CERTIFICATIONS/LICENSES:


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


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

Professional Development
Hours (PDHs) Awarded: 2.5


Authorized Instructor


Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT


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


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

Professional Development
Hours (PDHs) Awarded: 3


Authorized Instructor


Authorized Instructor



Authorized instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT


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


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

Professional Development
Hours (PDHs) Awarded: 3


Authorized Instructor



Authorized Instructor


Authorized instructor


LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



20. CERTIFICATIONS/LICENSES:




Robert Lear Jr.
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 16-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



Jace Ricard
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

20. CERTIFICATIONS/LICENSES:



ATSSA
Safer Roads Save Lives

Joshua Renard
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 16-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



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Patrick Staiano
has attended
Traffic Control Supervisor Refresher-LA State Specific
Training Course

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

Baton Rouge, LA
Location

Longa Bilt
Director of Training
Alan Fischer
President, CEO

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



Transportation Professional Certification Board Inc. 

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

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

Dear Ms. Ferlito,

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

Your certification is renewed through 9/9/2027.

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

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

Sincerely,



Joseph C. Baiskus, P.E., PTOE, RSP1
Chair, Transportation Professional Certification Board Inc.



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Alex Farr
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

11/10/2023 to 11/10/2027
Training Valid Through

Baton Rouge, LA
Location

Don M. Clark
Vice President of Education and Technical Services
Alan Fischer
President, CEO

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



20. CERTIFICATIONS/LICENSES:



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

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

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

Baton Rouge, LA
Location

Ranga Siva
Director of Training

Alan Teitelman
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

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

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

Baton Rouge, LA
Location

Ranga Siva
Director of Training

Alan Teitelman
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

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

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

New Orleans, LA
Location

Donna M. Clark
Vice President of Education and Technical Services

Alan Teitelman
President, CEO

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




Kristen Farrington
has attended
Louisiana Traffic Control Supervisor Refresher

Completed: 18-APR-2025

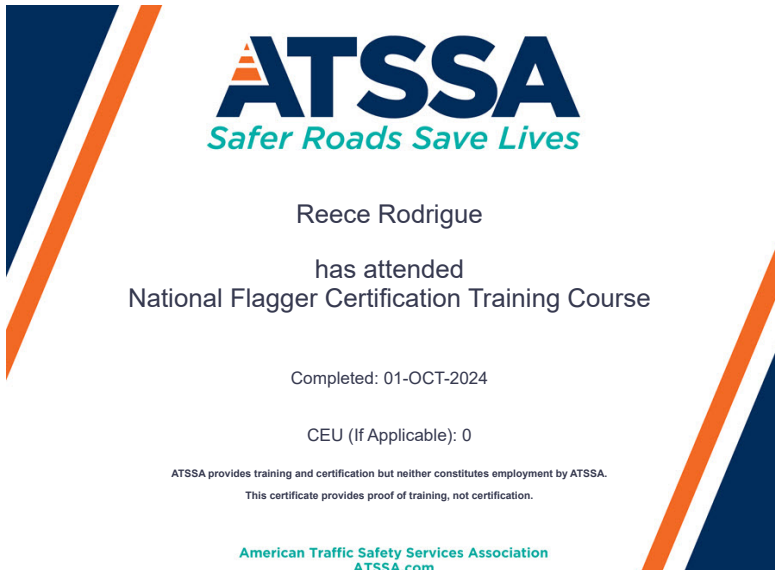
CEU (If Applicable): 0.75

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



20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:



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).

[Signature]
Din Tymon,
AASHTO Executive Director

[Signature]
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.erdc.dren.mil>

[Signature]
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.

[Signature]
Tonya Landry
Administrator
Public Participation and Permit Support Division

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



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

A P S Engineering and Testing, LLC

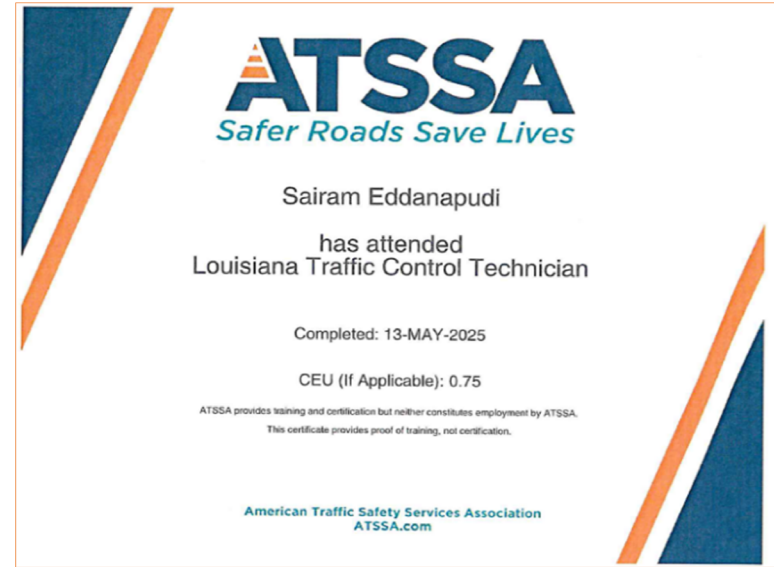
is Certified-Active as a Small Entrepreneurship with Louisiana Economic Development's Hudson Initiative.

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

Certification No. 9274

[Signature]
Stephanie Hartman,
Director, Entrepreneurial Services

20. CERTIFICATIONS/LICENSES:




20. CERTIFICATIONS/LICENSES:



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

Issue Date: 1/29/2025 ATSSA
 Exp. Date: 1/28/2029 Instructor Name
 State Issued: Louisiana *[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



20. CERTIFICATIONS/LICENSES:



COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
WAGGONER ENGINEERING, INC.	Business Corporation (Non-Louisiana)	JACKSON	Active
Previous Names			
Business:	WAGGONER ENGINEERING, INC.		
Charter Number:	34954531F		
Registration Date:	6/16/2000		
Domicile Address	143A LEFLEURS SQUARE JACKSON, MS 39211		
Mailing Address	143A LEFLEURS SQUARE JACKSON, MS 39211		
Principal Business Office	143A LEFLEURS SQUARE JACKSON, MS 39211		
Registered Office in Louisiana	450 LAUREL STREET, 8TH FLOOR BATON ROUGE, LA 70801		
Principal Business Establishment in Louisiana	450 LAUREL STREET, 8TH FLOOR BATON ROUGE, LA 70801		
Status			
Status:	Active		
Annual Report Status:	In Good Standing		
Qualified:	6/16/2000		
Last Report Filed:	6/11/2024		
Type:	Business Corporation (Non-Louisiana)		

State



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

Name	Type	City	Status
APS ENGINEERING AND TESTING, LLC	Limited Liability Company	BATON ROUGE	Active
Previous Names			
Business:	APS ENGINEERING AND TESTING, LLC		
Charter Number:	40911984K		
Registration Date:	8/9/2012		
Domicile Address	1645 NICHOLSON DR BATON ROUGE, LA 70802		
Mailing Address	5261 HIGHLAND RD. #320 BATON ROUGE, LA 70808		
Status			
Status:	Active		
Annual Report Status:	In Good Standing		
File Date:	8/9/2012		
Last Report Filed:	7/15/2025		
Type:	Limited Liability Company		



20. CERTIFICATIONS/LICENSES:

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

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

Name	Type	City	Status
NTB ASSOCIATES, INC.	Business Corporation	SHREVEPORT	Active

Previous Names

NTB, INC. (Changed: 1/4/2000)

Business: NTB ASSOCIATES, INC.
Charter Number: 34216133D
Registration Date: 8/14/1986
Domicile Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Mailing Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Principal Office Address

525 LOUISIANA AVE.
SHREVEPORT, LA 71101

Status

Status: Active
Annual Report Status: In Good Standing
File Date: 8/14/1986
Last Report Filed: 7/25/2024
Type: Business Corporation

State of
Louisiana
Secretary of
State



COMMERCIAL DIVISION
225.925.4704

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

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

Previous Names

Business: VECTURA CONSULTING SERVICES, LLC
Charter Number: 41994609K
Registration Date: 8/24/2015
Domicile Address

4467 BLUEBONNET BLVD.
SUITE A
BATON ROUGE, LA 708099639

Mailing Address

PO BOX 14269
BATON ROUGE, LA 70898

Status

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



20. CERTIFICATIONS/LICENSES:





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 Unified Certification Program (LAUCP)

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





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 Unified Certification Program (LAUCP)

Vectura Consulting Services, LLC
 Is a Certified Disadvantaged Business Enterprise (DBE) & Small Business Element (SBE) in the following specialties:

NC488490, NC541330, NC541340

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

Certificate Eligibility: June 2025 to June 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.

Paula Roddy
Paula Roddy, Compliance Programs Director
 Louisiana Department of Transportation & Development

21. QA/QC PLAN:

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

22. SUB-CONSULTANT INFORMATION:

Firm Name (Name must match <u>exactly</u> as registered with Louisiana's Secretary of State (SOS): <u>including</u> <u>punctuation, include screenshot(s)</u> from SOS at the end of Section 20)	Address	Point of Contact and Email Address	Phone Number
APS Engineering and Testing, LLC	1645 Nicholson Drive Baton Rouge, LA 70802	Sergio Aviles, PE President sergio@aps-testing.com	225.456.5714
NTB Associates, Inc.	Corporate Headquarters: 525 Louisiana Avenue Shreveport, LA 71101 Branch Office: 8643 Main Street Zachary, LA 70791	Bryan T. Bunch, PLS Vice President Special Projects Engineer bbunch@ntbainc.com	225.751.4002
Vectura Consulting Services, LLC	4467 Bluebonnet Blvd., Suite A Baton Rouge, LA 70809	Sheelagh Brin Ferlito, PE Partner bferlito@vecturacs.com	225.223.6685

23. LOCATION:

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



We do more than plan and design infrastructure.
We transform communities.

