



**IDIQ Contract for Roadway Design Services
Statewide with Majority of Work in Districts 03 & 07**
LADOTD Contract No. 4400030052



Sections 1-11

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

DOTD FORM: 24-102

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Contract No. 4400030052

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.

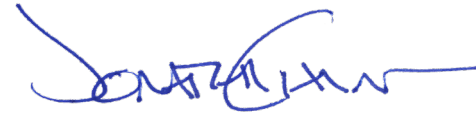
ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

1. Contract Name as shown in the advertisement	IDIQ Contract for Roadway Design Services Statewide with Majority of Work in Districts 03 & 07
2. Contract Number(s) as shown in advertisement	Contract No. 4400030052
3. State Project Number(s) , if shown in the advertisement	N/A
4. Prime Consultant Name (name must match exactly as registered with the Louisiana Secretary of State (SOS) where such registration is required by law; including punctuation; include screenshot from SOS at the end of Section 20)	Waggoner Engineering, 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 robert.lear@waggonereng.com 225.298.0800
9. Name, Title, Phone Number, and Email Address of the Official with Signing Authority for this Proposal	Jonathan Charbonnet Vice President, Business Operations jonathan.charbonnet@waggonereng.com 225.448.3972



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

Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.

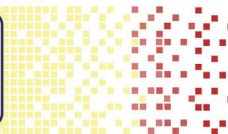


Signature above shall be the same person listed in Section 9

Date: October 9, 2024

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
Adaptive Management and Engineering, LLC	5%
Vectura Consulting Services, LLC	5%
Total DBE Participation	10%



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





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)).

12. PAST PERFORMANCE EVALUATION DISCIPLINE TABLE:

Past Performance Evaluation Discipline(s)	% of Overall Contract	Waggoner (formerly Sigma)	AME (DBE)	NTBA (DBE)	Vectura	Each Discipline must total to 100%
Road	75%	100%	-	-	-	100%
Traffic	5%	-	-	-	100%	100%
Geotech	5%	-	100%	-	-	100%
Survey	10%	50%	-	50%	-	100%
Right-of-Way	5%	50%	-	50%	-	100%
Identify the percentage of work for the overall contract to be performed by the prime consultant and each subconsultant.						
Percent of Contract	100%	82.5%	5.0%	7.5%	5.0%	100%

13. FIRM SIZE:

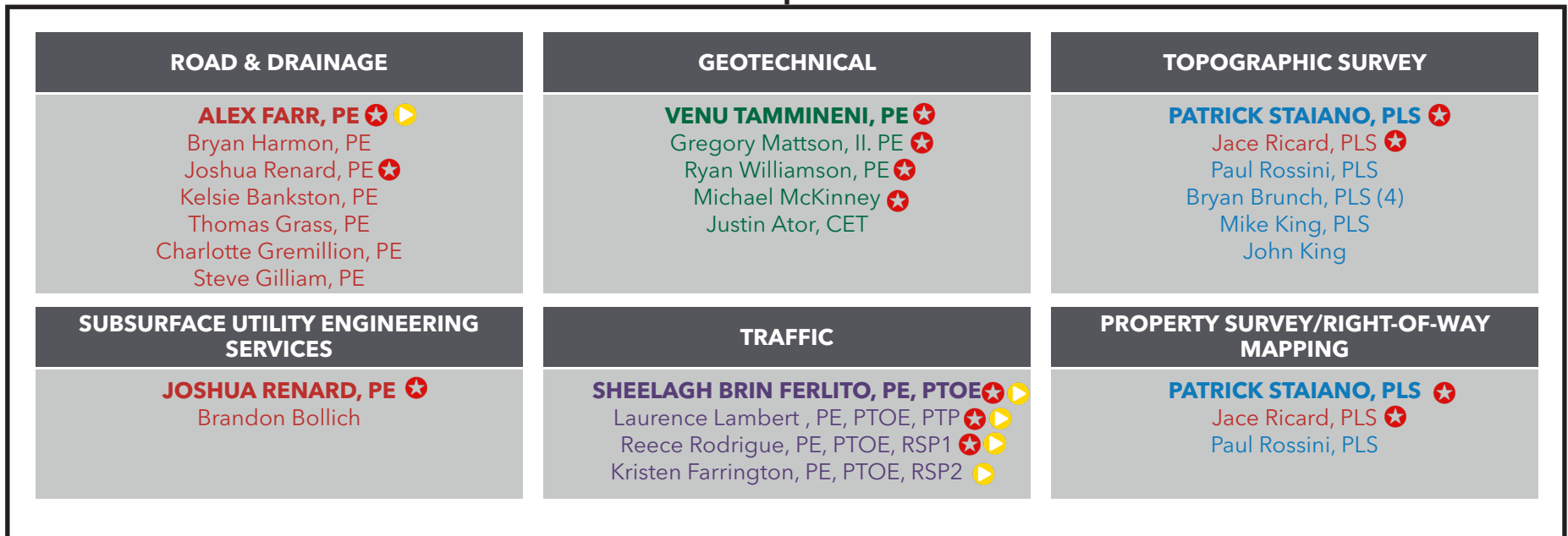
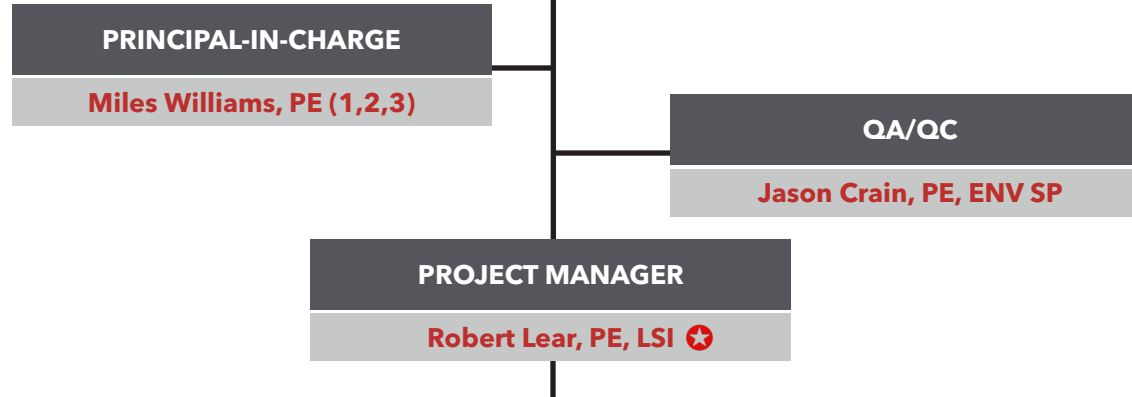
Firm Name	DOTD Job Classification	Number of Personnel Committed to this Contract	Total Number of Personnel Available in this DOTD Job Classification (if needed)
 WAGGONER FORMERLY SIGMA CONSULTING GROUP	Principal	1	1
	Professional	1	2
	Supervisor - Eng	7	8
	Engineer	6	6
	Engineer Intern	3	4
	Engineer - Other	2	2
	Environmental Manager	1	1
	CADD Technician	3	3
	CADD - Operator	5	5
	Supervisor - Other	2	3
	Senior Technician	1	1
	Technician	1	1
	GIS Analyst	0	6
	Instrument Man	1	1
	Surveyor	1	2
	Party Chief	3	3
	Clerical	1	4
 ADAPTIVE MANAGEMENT AND ENGINEERING	Principal	1	1
	Engineer	2	2
	Engineer Intern	0	0
	Senior Technician	2	2
	Driller	1	1
	CADD Drafter	1	1
	Technician	3	3

 SURVEY. DESIGN. BUILD. SUCCEED.	Principal	1	1
	Engineer	0	1
	Surveyor	5	7
	Supervisor - Other	1	3
	Senior Technician	0	1
	CADD Technician	1	6
	Technician	1	2
	CADD Drafter	2	6
	Party Chief	4	19
	Instrument Man	4	7
	Rodman	4	7

	Supervisor - Eng	2	2
	Engineer	3	3
	Engineer Intern	0	2
	Senior Technician	0	2
	Technician	0	1
	Supervisor - Other	0	1
	Clerical	0	1

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	Bryan T. Bunch, PLS	NTB Associates	PLS#5014 - Surveying	LA	3/31/2026

* 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: 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)

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	25
	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/03-21-2025		
	Year Registered	2001	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities			Project Manager		
Robert will be responsible for the day-to-day management of the IDIQ Contract, ensuring that all task orders are executed according to the scope, schedule, and budget. He will oversee the preparation of preliminary and final plans, coordinating with all other team members to ensure all designs comply with the LADOTD guidelines and incorporate all necessary environmental and constructability reviews. With over 20 years of LADOTD project design and management experience, Robert will ensure projects meet LADOTD's goals and are completed on time.					
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).				
08/21 - 05/23	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), E. Baton Rouge Parish, LA (H.010652) 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.				
03/03 - Ongoing	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.				
10/12 - Ongoing	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.				
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 (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.				

SECTION 17 PROJECT

Robert Lear resume continued

01/13 - Ongoing	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.
2013 - 2015	US 171: J-turns at North Perkins Ferry Road, Beauregard & Calcasieu Parishes (H.010197) Survey Manager. Robert was the survey manager for the design of J-turns and turn lanes at a three-leg intersection north of Lake Charles, LA. He was responsible reviewing all survey and control data . All work for this project was performed using Inroads Survey, CAD-Conform, and LADOTD electronic plan delivery requirements.
05/20 - Ongoing	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), East 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, DOTD, and the CMAR contractor.
04/02 - 04/12	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 .
10/20 - Ongoing	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.
05/21 - 03/23 SECTION 17 PROJECT	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 .
08/18 - 10/22	I-220/I-20 Interchange and BAFB Access Design-Build, Bossier Parish, LA (H.003370) Lead Road Design Engineer. The project includes adding ramps to the existing I-20/I-220 Interchange and providing full access to the Barksdale Air Force Base via a new four-lane rural arterial roadway. Robert is the roadway design engineer for this LADOTD design-build project . He is responsible for preparing the geometric design criteria reports, design exceptions, horizontal and vertical geometrics for the interstate, diagonal and loop ramps, C-D road, and rural arterial; superelevation transitions, typical sections, plan profile sheets, geometric control, geometric layout, geometric details, cross sections, drainage design including cross drains, storm drains, side drains, roadside ditches, existing and design drainage maps , clearing and grubbing plans, and construction support. Robert also was responsible for QA/QC reviews and/or independent reviews of the SWPPP, Interchange Modification Report (IMR) re-evaluation, traffic control plans , signing and striping plans, and transportation management plan.
01/14 - 07/16 SECTION 17 PROJECT	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.

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	33
	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, 3		
Miles will oversee the project, ensuring that all services are performed in compliance with the IDIQ Contract and the specific task orders. He will provide high-level direction and decision-making, ensuring that the team adheres to the DOTD Location and Survey Manual and other relevant standards. Miles will also be responsible for final approval of all deliverables and coordination with the DOTD's Chief Engineer to ensure quality and conformity with DOTD's quality standards. Miles has served as a design engineer and project manager on a wide range of traffic engineering and transportation-related projects. His tasks have included the design of individual signal installations and interconnected signal systems. Miles has supervised the multidisciplinary design of diverse control signal systems for a wide variety of both governmental and private clients. In addition, Miles has demonstrated extensive experience in the development of maintenance of traffic, construction phasing, and construction signing plans and specifications.					
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).				
08/21 - 05/23	LA 73: US 61 (Airline Highway) - LA 426 (Essen Lane), E. Baton Rouge Parish, LA (H.010652) 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.				
03/03 - Ongoing	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.				
10/12 - Ongoing	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.				
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) 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.				

SECTION 17 PROJECT

Miles Williams resume continued

01/13 - Ongoing	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.
05/20 - Ongoing	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), East 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 right-of-way and control-of-access limit determination, utility coordination , and public involvement.
04/02 - 04/12	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 right-of-way map preparation phases.
12/14 - 04/19	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.
04/18 - Ongoing	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.

16. STAFF EXPERIENCE:



Firm Employed By: Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
Name	Jason Crain, PE, ENV SP		Years of Relevant Experience with this Employer
Title	Vice President, Senior Project Manager		Years of Relevant Experience with Other(s) Employers
Degree(s)/Years/Specialization	BS/1998/Civil Engineering & Environmental Engineering		
Active Registration Number/State/Expiration Date	PE#30275/LA/09-30-2026 PE#17020/MS/12-31-2025		
Year Registered	2002	Discipline	Civil Engineering
Contract Role(s)/Brief Description of Responsibilities	QA/QC		

Jason will serve as the contract QA/QC Manager. He will use his 27+ years of engineering, program management, and project management experience to ensure that **all projects follow the established QA/QC protocols**. For this project, Jason will develop and implement quality assurance and quality control plans, conduct regular inspections and audits, and ensure that all project activities adhere to **specified standards and regulatory requirements** to guarantee the **highest level of quality in project deliverables**.

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).
07/19 - Ongoing	MOVEBR Infrastructure Enhancement and Traffic Mitigation Program, East Baton Rouge Parish, LA Lead Project Manager. Waggoner (formerly Sigma) is the lead partner with Stantec as the Program Management firm for the Corridor Improvement and Community Enhancement Projects under the MOVEBR Infrastructure Enhancement and Traffic Mitigation Program in April 2019. This \$1.0 billion program is the largest transportation infrastructure program ever implemented by East Baton Rouge (EBR) Parish. Based upon the tax proposition approved by the citizens of the Parish, proceeds will be used on projects to increase capacity and make safety, mobility, and access management improvements to certain roadways/intersections throughout the Parish. There are additional projects that will enhance existing corridors by providing pavement resurfacing, traffic signal synchronization, turn lane improvements, drainage upgrades, lighting, ADA compliance features, and Complete Street elements such as cycling paths, sidewalks, transit accommodations, and Green Infrastructure. Waggoner's staff is working closely with the Stantec staff along with key EBR Dept. of Transportation and Drainage (DTD) personnel in a team effort to coordinate all programmatic functions necessary to deliver over 83 MOVEBR projects by the year 2032. Jason serves as Lead Project Manager for Waggoner, managing Waggoner's role in the MOVEBR Program and responsible for 8 engineering, construction, and administrative staff members. Along with management responsibilities, Jason currently serves as Deputy Program Manager for Project Delivery ensuring all program projects are progressed through design, bidding, and construction on time and within budget. This entails coordination and supervision of multiple project managers, design consultants, outside agencies, client management staff, construction managers, and contractors. Jason's experience and knowledge of the EBR Parish Government departments, personnel, and internal processes was key to establishing programmatic controls as well as assisting the overall Program Management Team in their successful function as representatives of the City/Parish and the DTD. He has been instrumental in development of the Program Design Guidelines, preparation of program-wide technical specifications, standards, contract development, and design consultant services management. Jason also leads two separate program committees; one focused on technical aspects and the other is dedicated to procurement needs of the overall Program.
02/19 - Ongoing	Update of East Baton Rouge Standard Specifications for Public Works Jason is leading the effort to provide support to the City-Parish with updating the Standard Specifications for Public Works Construction (Blue Book) and coordinating the issuance of a new Standard Specification Book. Jason was instrumental in updating the Sanitary Sewer technical specifications for use under the 12-year SSO Program and has historical knowledge of previous revisions to the general provisions and other technical specifications included in the City-Parish Standard Specification Book. In addition to technical specification updates, impacts of the new plan of government (re-organization of Public Works) need be addressed and incorporated.

Jason Crain resume continued

09/06 - Ongoing	Sanitary Sewer Overflow (SSO) Reduction Program, East Baton Rouge Parish, LA Quality and Technical Services Manager, Lead Design Manager, and Deputy Program Manager. Waggoner is the lead partner with Jacobs (formerly CH2M HILL) as the Program Management firm for the City-Parish of East Baton Rouge. The Program Managers are responsible for developing, planning, administering (design and construction) and delivering a \$1.6 billion program consisting of 115 related individual projects to meet the EPA mandated consent decree to reduce SSO's by the year 2019. Jason serves as Lead Project Manager for Waggoner, managing Waggoner's role in the SSO Program and responsible for 15 engineering, construction, and administrative staff members. Along with management responsibilities, Jason currently serves as Deputy Program Manager for Project Delivery ensuring all program projects are progressed through design, bidding, and construction on time and within budget. This entails coordination and supervision of multiple project managers, design consultants, outside agencies, client management staff, construction managers, and contractors. Jason also manages contractor relations, contract change reviews, and construction claims negotiations. In the past, Jason also served as Quality & Technical Services Manager as well as Lead Design Manager for the entire SSO Program. Under these roles Jason develops design and quality related policies and procedures for the Program Team. In addition, Jason provides technical expertise program wide including plan review, specification writing, bid document review and preparation, and new product reviews. Prior to Jason's current role on the Program, he managed the \$300 million rehabilitation portion of the Program. This included planning projects, maintaining schedules and budgets, progress reporting to client, coordinating with engineering consultants and contractors, and general consultation to the client.
03/03 - 06/05	LA 1 Improvements, Golden Meadow - Fourchon, Lafourche Parish, LA Jason was responsible for all horizontal and vertical geometric checking for this project. He was also responsible for highway graphical grades, intersection design, navigational lighting, and pay item quantities.
2017	I-10 Widening, LA 30 - LA 22, Ascension Parish, LA (H.009276) QA/QC. Jason was responsible for the roadway geometrics and typical section for the replacement of the LA 941 bridge structure over the mainline interstate widening of a five-mile segment of I-10. In addition, Jason provided QA/QC for mainline geometrics, typical sections, and geometrics for the mainline temporary detours at the LA 941 bridge replacement location.

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	9
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/09-30-2024			
Year Registered	2016	Discipline	Civil Engineering		
Brief Description of Responsibilities		Discipline Lead - Road & Drainage			

Alex will serve as the road and drainage discipline lead. He will be responsible for overseeing the **detailed engineering and design** of the pavement preservation and transportation system management (TSM) projects. Alex will manage the **topographic surveys**, ensuring accurate stationing of the **project centerline** and **cross-sectioning of roadways and ditches**. He will coordinate with the project manager to ensure that all **drainage structures, utilities, and existing conditions** are properly documented and incorporated into the preliminary and final plans. Alex will also guide the team in adhering to the **DOTD's Roadway Design Procedures** and **Louisiana Standard Specifications**, ensuring that all designs are completed to the highest standard.

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).			
03/13 - 07/22 SECTION 17 PROJECT	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. Alex prepared road design plans for the interstate, ramps, and overpasses for all three segments of I-10. This project included both pavement preservation and capacity functional classifications.			
04/21 - Ongoing SECTION 17 PROJECT	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.			

Alex Farr resume continued

05/20 - Ongoing	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. 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.
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 NB and SB 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.
10/16 - 12/20	I-10: Highland to LA 73 Design-Build Project, East Baton Rouge and Ascension Parish, LA 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.
2019 - 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 (EBR DOTD) 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 right-of-way mapping , and stormwater detention ponds to control outfall channel levels. Alex designed 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.

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	8
	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/01-31-2025		
	Year Registered	1987	Discipline	Civil Engineering		
Contract Role(s)/Brief Description of Responsibilities			Road/Drainage			
Bryan will serve as a key member of the road and drainage team, overseeing the design and engineering review process. His responsibilities will include ensuring that the preliminary and final designs meet DOTD standards and guidelines, with a focus on drainage system improvements, pavement conditions, and right-of-way considerations . Bryan will also provide expert input during construction phase services, ensuring adherence to specifications and resolving any design-related issues that may arise. His extensive experience in managing large-scale infrastructure projects will ensure quality and timely 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).				
03/13 - 07/22 SECTION 17 PROJECT		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.				
05/21 - 03/23 SECTION 17 PROJECT		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 .				
08/18 - 10/22		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.				

Bryan Harmon resume continued

10/20 - Ongoing	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.
05/20 - Ongoing	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), East 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.
08/21 - 05/23	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.
04/21 - Ongoing SECTION 17 PROJECT	Rural Bridge Replacement Initiative Phase II (South), LA (440001338) Supervising Hydraulic Design Engineer. Bryan is serving as Waggoner's 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 DOTD Hydraulics Manual and design directives.
2016 - Ongoing	Hooper Road (LA 408), East Baton Rouge Parish, LA (H.002316/CP#12-CS-HC-0017) 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.

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	17
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/03-31-20205		
Year Registered	2011	Discipline	Civil Engineering	
Brief Description of Responsibilities		Road/Drainage Discipline Lead - SUE Services		
Dual role on the road and drainage team as well as SUE services team. He will conduct topographic surveys , focusing on the stationing and cross-sectioning of roadways , and will contribute to the detailed design of drainage systems . Additionally, Joshua will be responsible for identifying and documenting subsurface utilities , ensuring accurate location and mapping of all utilities within the project limits. His work will be crucial in coordinating with utility companies and integrating utility adjustments into the preliminary and final design plans , adhering to DOTD standards . Joshua has extensive knowledge in HEC-RAS, HYDRWIN, and PondPack software packages.				
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).				
I-10: Highland to LA 73 Design-Build Project, 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 .				
LA 408: Hooper Road (Blackwater Bayou to Joor Road) East Baton Rouge Parish, LA (H.002316/CP#12-CS-HC-0017) 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.				
I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. 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.				
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.				
MOVEBR Program- Lead Utility Coordinator, EBR 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	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.
2018 - 2019	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.
2015 - 2017	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.
2019	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 right of way. Joshua then led the SUE team in obtaining level A location information for these utilities.
2019	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.

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	2
	Title	Project Engineer		Years of Relevant Experience with Other(s) Employers	3.5
	Degree(s)/Years/Specialization		BS/2018/Civil Engineering		
	Active Registration Number/State/Expiration Date		PE#47126/LA/03-31-2025		
	Year Registered	2022	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities			Road & Drainage		
Kelsie will serve on the road and drainage team. She will focus on conducting topographic surveys, particularly in recording drainage structures and cross-sections. Kelsie will ensure that all measurements, such as travel lanes, shoulder widths, and utility locations are accurately documented. Her work will contribute to the preliminary and final plan preparations, ensuring the designs meet the required DOTD guidelines. Previously, she worked as an engineer intern at Forte & Tablada, Inc., where she conducted site visits, assisted with bridge inspections, prepared reports, and designed bridge replacements. She also trained new engineers and coordinated project progress.					
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 SECTION 17 PROJECT	Rural Bridge Replacement Initiative Phase II, 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.				
2021 - 02/23	LA 73: US 61 (Airline)-Essen Lane, East Baton Rouge, LA (H.010652) Project Engineer. This roadway transfer project involves replacement of the existing LA 73 roadway with a new asphalt pavement section. Kelsie assisted in setting up the base geometry using as-built drawings and survey data for the reconstruction of LA 73, including curb and gutter and sidewalks throughout the limits of the project. She was responsible for all quantity calculations, including compiling the quantity book, and the summary sheets. She also performed the QA/QC of the geometric details .				
10/21 - Ongoing	I-10: LA 415 to Essen Lane on I-10/I-12 (CMAR), E. 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 right-of-way 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.				
05/21 - 03/23 SECTION 17 PROJECT	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/2024		
	Year Registered	2014	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities			Road & Drainage		
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.					
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	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 right-of-way 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.				
01/19 - 12/23	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.				
2/20 - Ongoing	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 .				
08/16 - 1/24	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.				

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	3
	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/09-30-2025		
Year Registered	2023	Discipline	Civil Engineering		
Contract Role(s)/Brief Description of Responsibilities		Road & Drainage			
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.					
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).				
09/22 - Ongoing	LA 1088: Sout 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.				
05/20 - Ongoing	I-10: LA 415 to Essen Lane on I-10 and I-12, Baton Rouge, 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.				
04/21 - Ongoing	Rural Bridge Replacement Initiative Phase II, 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.				
10/20 - Ongoing	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.				

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/09-30-2024		
	Year Registered	2022	Discipline	Civil Engineering		
Contract Role(s)/Brief Description of Responsibilities			Road & Drainage			
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 , 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.						
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).				
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.				
02/23 - Ongoing		Enterprise Boulevard Extension, Lake Charles, County, 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 N. Goos Boulevard northward to its intersection with Fitzenreiter Road, and widening Fitzenreiter Road eastward to its intersection with N. 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.				
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)				
01/21 - 12/21		Live Oak High School Baseball/Softball Complex, Walker, LA Lead Designer. Steven's role included civil design, site plan development, site grading, drainage design, and utility coordination for the new sports fields and support buildings for a new sports facility at the Live Oak High School campus. In coordination with architects Gasaway Gasaway & Bankston, the project included vehicular and pedestrian circulation improvements, with two new synthetic turf fields, bleacher seating, and a concession/restroom building. (previous experience)				
10/20 - 09/21		Ascension Parish Courthouse, Gonzales, LA Lead Designer. Steven's role included civil design, site plan development, site grading, drainage design, and utility coordination , as well as construction administration for the facility. In coordination with Grace Hebert Architects, the project included vehicular and pedestrian circulation improvements, re-routing of a major drainage artery, expansion of an existing detention basin, as well as new culverts under E. Worthy St., which provided drainage relief to upstream neighborhoods, solving a regional drainage problem. (previous experience)				

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	4
	Degree(s)/Years/Specialization		BS/2015/Civil Engineering		
	Active Registration Number/State/Expiration Date		EI#32749/LA/Civil Engineering		
	Year Registered	2015	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities			SUE Services		
As part of the SUE services team, Brandon will be responsible for conducting subsurface utility engineering (SUE) investigations to accurately locate and document existing underground utilities. His role includes geophysical methods to identify the position and depths of utilities, and collecting data on utility types, materials, and conditions. Brandon will also collaborate closely with the design team to ensure that the SUE findings are integrated into project plans, helping prevent potential conflicts during construction and ensuring the project's adherence to DOTD standards. Additionally, he will assist in preparing detailed reports and utility adjustment plans as required. Brandon is a certified engineer intern focused on bridge and structural design. Brandon previously worked as an engineer intern at the LADOTD and was the task manager of several bridge replacement projects across the state. His duties as task manager for those projects included coordinating project meetings, tracking project statuses, generating divisional requests, projecting costs, performing alignment studies, conducting site visits, generating bridge plans, and designing bridge elements in accordance with design specifications. Brandon also worked as an engineer intern for Forte and Tablada, where he was involved in the inspection and load rating of complex and simple bridges.					
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	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.				
04/21 - Ongoing SECTION 17 PROJECT	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.				
02/16 - 09/19	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.				
2016 - 2018	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.				

16. STAFF EXPERIENCE:

	Firm Employed By: Adaptive Management and Engineering, LLC				
	Name		Venu Tammineni, PE	Years of Relevant Experience with this Employer	5
	Title		President/Principal	Years of Relevant Experience with Other(s) Employers	14
	Degree(s)/Years/Specialization		MCE/2005/Geotechnical Engineering		
	Active Registration Number/State/Expiration Date		PE#36864/LA/9-30-2024		
	Year Registered	2012	Discipline	Civil Engineering/Geotechnical	
Contract Role(s)/Brief Description of Responsibilities			Discipline Lead - Geotechnical		
As the geotechnical lead , Venu will oversee all aspects of the geotechnical efforts for this project, ensuring that the work aligns with the DOTD standards and project requirements. He will lead the planning and execution of subsurface investigations , including soil borings and in-situ testing . His role will involve analyzing geotechnical data to assess site conditions, providing detailed recommendations for foundation design, pavement structure, and earthwork . Venu will also coordinate with other team members to integrate geotechnical findings into the overall project design, ensuring that all geotechnical aspects are addresses from concept through construction. Additionally, Venu will direct and provide technical guidance to geotechnical investigation, laboratory work, and geotechnical engineering design.					
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).			
1/20 - 12/21		City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project#20-CP-HC-0004, Baton Rouge, LA Venu provided pavement design recommendations for the proposed pavement expansion for the Highland Road at Siegen Lane/ Burbank Drive intersection. As a consultant to Fourrier & de Abreu Engineers, LLC (FDAE), Venu coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, obtaining DOTD permit, executing field exploration program, assigning laboratory tests, performing pavement analyses, and preparing the geotechnical report that has been reviewed and accepted by the design team.			
3/22 - 4/22 SECTION 17 PROJECT		City of Patterson, Patterson 2022 Street Improvements, St. Mary Parish, LA Venu provided pavement design recommendations for the proposed pavement improvements for various streets throughout the City of Patterson. Venu coordinated all aspects of the project including, but not limited preparation of the proposal for the project, discussion with the design team, assigning laboratory tests, laboratory testing QA/QC, performing pavement analyses, and preparing the geotechnical report .			
1/18 - 2/18		City of Youngsville, Chemin Metairie Parkway and Détente Road Roundabout, Youngsville, LA The City of Youngsville planned to construct a roundabout at the existing intersection of Chemin-Metairie Parkway and Détente Road. The roundabout will have a larger footprint than the intersection and will require installation of additional fill to match grades. Planned and executed field exploration and provided recommendations for rigid and flexible pavements for the project. (Experience with previous employer)			
6/16 - 9/16		Causeway Boulevard - Earhart Expressway Interchange, New Orleans, LA Coordinated the drilling activities for limited soil borings for the project. Three-inch diameter soil samples were obtained using a thin-walled tube and piston sampler. Soil stratigraphy was highly variable and layered and required close monitoring of the drilling crews to obtain quality soil samples. (Experience with previous employer)			
11/14 - 2/15		St. Landry Parish Smooth Ride Home - Phases II-A and II-B, St. Landry Parish, LA Project included improving the condition of several roadways throughout the parish. Coordinated the field investigation and provided recommendations for the roadway improvements including soil-lime and soil-cement stabilization. (Experience with previous employer)			
04/11 - 06/11		Phase II Apron Pavement Improvements, Lafayette Regional Airport, Lafayette, LA Project involved replacing the existing asphalt pavement apron with a new asphalt or concrete pavement apron to accommodate airplanes. Recommendations for CBR and modulus of subgrade reaction for design were provided. (Experience with previous employer)			

16. STAFF EXPERIENCE:

	Firm Employed By: Adaptive Management and Engineering, LLC				
	Name	Gregory Mattson, II, PE		Years of Relevant Experience with this Employer	3
	Title	Project Lead Engineer		Years of Relevant Experience with Other(s) Employers	8
	Degree(s)/Years/Specialization		MS Civil & Environmental Engineering/2014/Geotechnical Engineering		
	Active Registration Number/State/Expiration Date		PE#42387/LA/9-30-2024 Traffic Control Technician/LA/9-8-2027 Flagger/LA/10-20-2027		
	Year Registered	2018	Discipline	Civil Engineering/Geotechnical	
Contract Role(s)/Brief Description of Responsibilities		Geotechnical			
As part of the geotechnical team, Gregory will conduct geotechnical field investigations , including overseeing the drilling of soil borings and collecting samples. He will preform laboratory test to determine soil properties, contributing to the analysis of subgrade conditions. His focus will be providing accurate data for the design of pavement structures and ensuring the stability of the projects infrastructure. Additionally, Gregory will provide field assistance as needed, provide laboratory data QA/QC, and conduct the engineering analyses and reporting.					
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).				
03/22 - 04/22 SECTION 17 PROJECT	City of Patterson, Patterson 2022 Street Improvements, St. Mary Parish, LA Gregory assisted with pavement design recommendations, provided laboratory testing QA/QC, and technical review for the geotechnical report .				
01/22 - 03/22	1,4Group, Inc Proposed Warehouse and Plant Facility, Ascension Parish, LA This project involved supporting pavement infrastructure for heavily loaded vehicles to access a proposed warehouse facility. Gregory was the on-site field engineer for the boring conducted as part of the field exploration. Additionally, provided QA/QC for laboratory testing and boring logs , generated project figures, assisted with rigid and flexible pavement analyses, and drafted the geotechnical report .				
01/20 - 02/20	McKim and Creed, PWS Trinity Derby Brine Pipeline, Frio County, TX McKim and Creed is moving forward designing a brine transportation pipeline that includes trenchless crossings of roads, rivers, and railroad tracks. This phase of the project includes two HDD crossings, one at the Frio River and the other at Interstate 35 and a railroad. The field exploration program included the geotechnical drilling and sampling of two 50-foot soil borings . Gregory coordinated with the client's project manager and developed the proposal; provided laboratory data QA/QC; assisted with HDD recommendations; and assembled the GDR. (Experience with previous employer)				
04/19 - 06/19	Jack and Bore for Dredge Material Pipeline, Cameron Parish, LA The project involved a proposed Jack and Bore location for a dredge material pipeline road crossing in Cameron, LA. Gregory provided laboratory QA/QC, conducted geotechnical analyses, and drafted the report. (Experience with previous employer)				

16. STAFF EXPERIENCE:

	Firm Employed By: Adaptive Management and Engineering, LLC				
	Name	Ryan Williamson, PE		Years of Relevant Experience with this Employer	3
	Title	Project Engineer/Field Engineer		Years of Relevant Experience with Other(s) Employers	3
	Degree(s)/Years/Specialization		BS Civil Engineering/2017/Geotechnical Engineering		
	Active Registration Number/State/Expiration Date		PE#48866/LA/9-30-2024 Traffic Control Supervisor/LA/9-8-2027 Flagger/LA/10-20-2027		
	Year Registered	2024	Discipline	Civil Engineering/Geotechnical	
Contract Role(s)/Brief Description of Responsibilities			Geotechnical		
Ryan will serve on the geotechnical team and will focus on site assessments and soil sampling, ensuring that all geotechnical data is accurately recorded and analyzed. He will work closely with the laboratory team to perform material testing and evaluate soil characteristics. Ryan's contributions will be essential in developing foundation recommendations and assessing the impact of subsurface conditions on the project. Additionally, Ryan will coordinate, oversee, and log soil samples during field explorations. He will assist with boring logs, CPT logs, laboratory data QA/QC, drafting figures, analyses, and reporting.					
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).			
03/22 - 04/22 SECTION 17 PROJECT		City of Patterson, Patterson 2022 Street Improvements, St. Mary Parish, LA Field Engineer. Ryan acted as the field engineer for the project, collecting and logging high quality soil samples while overseeing field exploration. He provided laboratory testing QA/QC, generated boring logs , report figures, ran pavement analyses, and prepared the geotechnical report .			
01/22 - 03/22		1,4Group, Inc Proposed Warehouse and Plant Facility, Ascension Parish, LA This project involved supporting pavement infrastructure for heavily loaded vehicles to access a proposed warehouse facility. Ryan assisted with the CPT portion of the field exploration, provided QA/QC for laboratory testing and boring logs , generated project figures, assisted with rigid and flexible pavement analyses, and drafted the geotechnical report .			
04/19 - 06/19		Jack and Bore for Dredge Material Pipeline, Cameron Parish, LA The project involved a proposed Jack and Bore location for a dredge material pipeline road crossing in Cameron, LA. Ryan assisted with laboratory testing and boring log QA/QC, geotechnical analyses, and report text and figures. (Experience with previous employer)			
01/18 - 02/18		City of Youngsville, Chemin Metairie Parkway and Détente Road Roundabout, Youngsville, LA The City of Youngsville planned to construct a roundabout at the existing intersection of Chemin-Metairie Parkway and Détente Road. The roundabout will have a larger footprint than the intersection and will require installation of additional fill to match grades. Ryan collected and logged soil samples while overseeing drilling. He assisted with analyses to provide recommendations for rigid and flexible pavements for the project. (Experience with previous employer)			

16. STAFF EXPERIENCE:

	Firm Employed By: Adaptive Management and Engineering, LLC					
	Name		Michael McKinney		Years of Relevant Experience with this Employer	4
	Title		Operations Manager/Driller		Years of Relevant Experience with Other(s) Employers	20
	Degree(s)/Years/Specialization			N/A		
	Active Registration Number/State/Expiration Date			Traffic Control Supervisor/LA/9-8-2027 Flagger/LA/10-20-2027		
	Year Registered	2012	Discipline	Geotechnical Field Services		
Contract Role(s)/Brief Description of Responsibilities			Geotechnical			
As part of the geotechnical team, Michael will be responsible for conducting field explorations and laboratory testing to evaluate the properties of the soil. His role will include interpreting test results and preparing detailed reports that support the design of pavement systems and other structural elements. His work will help ensure the project's geotechnical integrity. Michael is a Water Well Contractor who will drill, and/or coordinate all field exploration. He also serves as a safety manager and Traffic Control Supervisor.						
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
03/22 - 04/22 SECTION 17 PROJECT		City of Patterson, Patterson 2022 Street Improvements, St. Mary Parish, LA Michael coordinated drilling and all field exploration services for the project. He oversaw the completion of 8 roadway soil borings and assisted with lab testing for the project.				
01/20 - 12/21		City of East Baton Rouge and Parish of East Baton Rouge, City-Parish Project NO. 20-CP-HC-0004, Baton Rouge, LA Michael coordinated and oversaw the field exploration for the project. Temporary lane closures had to be made for the completion of soil borings in the roadway. All field exploration was completed per MoveBR standards.				
06/16 - 09/16		Lake Charles, LA Pavement Improvement, Calcasieu Parish, LA Senior Driller. Michael served as the senior driller for multiple parish highways and roads. He coordinated drill rig and other equipment mobilization, drilled, and sampled various highways and pavement types throughout Calcasieu Parish. Michael oversaw the coring and measurement of asphalt, concrete, and base material. After knowing the pavement and base course dimensions, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements . All field explorations were completed in accordance with LADOTD standards. (Experience with previous employer)				
11/16 - 12/16		I-49 future Corridor Overpass Expansion Project DOTD, New Iberia Parish, LA Senior Driller. Michael worked as senior driller for the geotechnical investigation for the I-49 expansion and overpass. Michael completed geotechnical sampling for deep foundations and overpass construction. All field explorations were completed in accordance with LADOTD standards. (Experience with previous employer)				
04/14 - 05/14		Highway 10 Bridge for DOTD, St. Francisville, LA Senior Driller. Michael served as senior driller for a bridge replacement site. Michael assisted with the mobilization, drilling, and soil sampling for four 100' soil borings . He oversaw the coring and measurement of asphalt, concrete, and base material. After pavement and base course dimensions were selected, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements . All field explorations were completed in accordance with LADOTD standards. (Experience with previous employer)				
08/12 - 11/12		Gonzales, LA Pavement Improvement DOTD, Ascension Parish, LA Senior Driller. Michael served as senior driller for multiple parish highways and roads. Michael assisted with the mobilization, drilling, and soil sampling for various highways and pavement types throughout Ascension Parish. He oversaw the coring and measurement of asphalt, concrete, and base material. After the pavement and base course dimensions were selected, he completed drilling and soil sampling those locations, patching the road back after completion as per LADOTD requirements . All field explorations were completed in accordance with LADOTD standards. (Experience with previous employer)				

16. STAFF EXPERIENCE:

	Firm Employed By: Adaptive Management and Engineering, LLC				
	Name	Justin Ator, CET		Years of Relevant Experience with this Employer	3
	Title	Geotechnical Laboratory Manager/Senior Technician		Years of Relevant Experience with Other(s) Employers	13
	Degree(s)/Years/Specialization		N/A		
	Active Registration Number/State/Expiration Date		CET 139594/LA/2-1-2027		
	Year Registered	2012	Discipline	Geotechnical Laboratory Testing	
Contract Role(s)/Brief Description of Responsibilities			Geotechnical		
As part of the geotechnical team, Justin will engage in laboratory geotechnical work, focusing on the characterization of subsurface materials. He will be involved in sampling, testing, and analyzing soil and rock properties, with a particular emphasis on identifying potential geotechnical challenges. Justin's findings will play a vital role in shaping the project's design, specifically in areas where soil stability and foundation support are crucial. Justin will oversee all laboratory testing and will perform specialized laboratory testing. He will provide data entry for lab testing, produce boring logs, and will QA/QC all test results.					
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).				
03/24 - Ongoing	LA 561 Bridge Replacement over Boeuf River (H.001970) Justin provided geotechnical laboratory testing and oversight for the project. He performed the consolidation testing and generated boring logs .				
08/23 - 09/23	Savanne Road over Hanson Canal Justin provided geotechnical laboratory testing and oversight for the project. He generated boring logs and performed QA/QC on all testing performed.				
09/23 - 10/23	LA 1 Port Allen Canal Justin provided geotechnical laboratory testing and oversight for the project. He generated boring logs and performed QA/QC on all testing performed.				
05/23 - 07/23	LA 394 & LA 110 Creek Bridges Justin managed subconsultant laboratory testing of 72 soil samples for USCS classification, moisture content, density, Atterberg limits, and unconfined compressive strength.				
03/22 - 04/22	City of Patterson, Patterson 2022 Street Improvements, St. Mary Parish, LA Justin provided geotechnical laboratory testing and oversight for the project. He generated boring logs and performed QA/QC on all testing performed.				
01/22 - 03/22	1,4Group, Inc Proposed Warehouse and Plant Facility, Ascension Parish, LA Justin performed geotechnical laboratory testing and QA/QC for 8 soil borings and 15 CPTs. The project involved rigid and flexible pavement design for a proposed warehouse facility.				
6/18 - 8/18	Bayou Long Pump Station, Atchafalaya Basin, LA Justin performed field investigation, transported soil samples to the laboratory, completed extrusions and performed moisture content, density, Atterberg limits, fines content, hydrometer analysis, and unconsolidated-undrained triaxial shear strength on samples assigned by the project engineer.				

16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.					
	Name		Patrick Staiano, PLS		Years of Relevant Experience with this Employer	4
	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 Discipline Lead - Property Survey/ROW Mapping			
Patrick will serve as the discipline lead for both the topographic survey team and the property survey/ROW mapping team. He will direct all survey activities, ensuring that the work meets DOTD standards and project specifications. He will oversee the collection of topographic data, stationing project centerlines, and performing property boundary surveys . Patrick will also manage the preparation of right-of-way (ROW) maps and ensure that all survey data is accurately integrated into the project's design plans . He will coordinate with both the survey teams and other projects teams to ensure seamless integration of survey data into the overall project development. Patrick will serve as NTBA Project Manager for property surveying services, right-of-way mapping, and title takeoffs during this contract. He will manage field crews, data processing, drafting, review and certification of maps and surveys, and submittals.						
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).				
01/22 - 06/24 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 takeoffs, legal description preparation, and preliminary and final right-of-way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River as a subconsultant to James Construction.				
07/23 - 06/24		LADOTD IJIA Off-System Bridge Program, District 62 (4400025041) Project Manager managing field crews and technicians for Static GPS control surveys, topographic surveys, property surveys, title takeoffs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.				
04/21 - Ongoing		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, surveys in support of QL C & D subsurface utility services, title takeoffs, legal description preparations, and preliminary and final right-of-way mapping for 34 bridge and culvert replacements including surveying all sub-surface drainage structures as a subconsultant to BKL.				
04/21 - Ongoing SECTION 17 PROJECT		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 takeoffs, legal description preparations, and preliminary and final right-of-way mapping for 21 bridge and culvert replacements including surveying all sub-surface drainage structures as a subconsultant to Waggoner (formerly Sigma).				
09/22 - 06/24		CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Assistant Project Manager assisting in the management of field crews and technicians for topographic surveys, property surveying services, title research, title takeoffs, boundary and right-of-way calculations , and reviews of CADD drawings and plats for maintenance and construction projects.				
09/22 - 06/24 03/18 - 02/21		Apache Corporation, Infrastructure Improvements, Permian Basin, Reeves Counties, TX (Agency Proj. Nos. Unknown) Project Manager managing property surveying services and right-of-way acquisition mapping for approximately 84 miles of infrastructure improvements. Patrick has prepared approximately 131 property acquisition plats for this project.				

Patrick Staiano resume continued

09/22 - 06/24 03/18 - 02/21	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.
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 right-of-way 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 right-of-way . Prepared 8 ALTA Surveys along with the privately owned parcels for acquisition , 0.25 acre acquisition parcel in the right-of-way , and an overall right-of-way 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 takeoffs, boundary, and right-of-way 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 right-of-way 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 right-of-way 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 right-of-way 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 right-of-way 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 property surveys, prepared title work info, and right-of-way 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 right-of-way 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 right-of-way 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 right-of-way maps for a +/- 2-mile project.

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	1
	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/Surveying		
	Year Registered	2019	Discipline	Surveying		
Contract Role(s)/Brief Description of Responsibilities			Topographic Survey Property Survey/ROW Mapping			
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 right-of-way 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. He has over 10 years of diverse surveying experience with Louisiana firms. Before joining Waggoner, Jace was Survey Project Manager at Forte and Tablada, Inc., overseeing stormwater management and road/highway development projects. Two of Ricard's recent large-scale data collection projects, the Louisiana Watershed Initiative and the East Baton Rouge Stormwater Master Plan, resulted in hundreds of miles of accurate hydraulic models.						
Experience Dates (mm/yy-mm/yy)		Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
11/22 - Ongoing		Hooper Road Widening (LA 408) Blackwater-Joor, East Baton Rouge Parish, LA Land Surveyor. Jace served as the land surveyor of record for the property survey and right-of-way 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 right-of-way maps. Jace was responsible for performing the property survey and preparation of the property map, acquisition right-of-way maps, and recordation right-of-way maps in accordance with LADOTD standards. This project included both pavement preservation and capacity functional classifications.				
06/23 - Ongoing		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 right-of-way 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 right-of-way map revisions.				
02/24 - Ongoing		BREC Scotlandville Parkway Bridge Replacements, East Baton Rouge Parish, LA Surveyor. Jace is the surveyor of record for this project, which includes performing topographic surveys at five sites along the Scotlandville Parkway. These surveys serve as the basis for designing new pedestrian and small vehicle bridges and channel protections along the parkway.				
06/23 - Ongoing		Carrol Avenue over Middle Colyell Creek, Livingston Parish, LA Surveyor. Jace is the surveyor of record for the topographic and property surveys and right-of-way 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 right-of-way maps .				
02/24 - Ongoing		Ardenwood-Lobdell Connector, East Baton Rouge Parish, LA Surveyor. Jace is the surveyor of record for the property survey and right-of-way maps for this MOVEBR project. He is responsible for recovering existing property corners, establishing existing property locations, and preparing the right-of-way acquisition and recordation maps. All work is being performed in accordance with MOVEBR guidelines.				

16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.					
	Name		Paul Rossini, PLS		Years of Relevant Experience with this Employer	37
	Title		CEO/Principal		Years of Relevant Experience with Other(s) Employers	7
	Degree(s)/Years/Specialization			High School Diploma, 1980		
	Active Registration Number/State/Expiration Date			PLS#4731/LA/09-30-2024		
	Year Registered	1994	Discipline	Professional Surveyor		
Contract Role(s)/Brief Description of Responsibilities			Topographic Survey Property Survey/ROW Mapping			
Paul will assist in both the topographic and property surveys by conducting field measurements, stationing project centerlines , and gathering data on drainage structures and roadway cross-sections. They will support the preparation of right-of-way 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.						
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).				
01/22 - 06/24 SECTION 17 PROJECT		LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys , property surveys, title takeoffs, legal description preparation, preliminary and final right-of-way 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 - 06/24		CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Principal-in-Charge. Paul served as the principal-in-charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for topographic surveys, property surveys , title takeoffs, boundary and right-of-way calculations, CADD drawings, and plats for maintenance and construction projects.				
05/15 - 06/24 SECTION 17 PROJECT		City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys, property surveys , hydrographic surveying services, QL A, B, C, and D subsurface utility designation/locating for a parkway facility design featuring new roads, additional lanes, roundabouts, and a bridge. Currently, in the construction management support phase and addressing RFI's as needed.				
04/21 - Ongoing		LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for Static GPS Control surveys, topographic surveys, property surveys , title takeoffs, legal description preparation, preliminary and final right-of-way mapping , and QL C & D subsurface utility services for 34 bridge and culvert replacements as a subconsultant to BKL.				
04/21 - Ongoing SECTION 17 PROJECT		LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Principal-in-Charge of contract administration, staffing, logistics, and QA/QC for Static GPS Control surveys, topographic surveys, property surveys , title takeoffs, legal description preparation, preliminary and final right-of-way mapping , and QL C & D subsurface utility services for 21 bridge and culvert replacements as a subconsultant to Waggoner (formerly Sigma).				
07/23 - 06/24		LADOTD IJJA Off-System Bridge Program, District 62 (4400025041) Principal-in-Charge of contract administration, staffing, logistics, and QA/QC for Static GPS control surveys, topographic surveys, property surveys , title takeoffs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.				

Paul Rossini resume continued

09/14 - 06/24	USDA/NRCS Property Surveying Services, LA (AG-7217-C-14-0010, AG-2B46-S-16-0004, & 12FPC319D0016) Principal-in-Charge of contract administration, staffing, logistics, and QA/QC for property surveying services and map and plat preparation for over 9,000 acres.
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) Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for control surveys, topographic surveys, property surveys, right-of-way mapping , QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).
05/13 - 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Agency Proj. No. Unknown) Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys, property surveys, final right-of-way mapping , and drainage map preparation for the use in engineering plan and specifications.
03/08 - 05/15	Bossier Parish Police Jury, Hamilton Road Improvements (I-20 to Benton Road) Bossier Parish, LA (H.003849 & 700-08-0123) Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys, property surveys, and final right-of-way mapping for roadway rehabilitation.
01/11 - 08/12	LADOTD Local Road Safety Program, Sight Distance Improvements for Grigsby Road at Ranger Road in Jackson Parish, LA (737-25-0003-A & H.006511) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, logistics, and QA/QC for Static GPS Control surveys, topographic surveys, property surveys , title takeoffs, and right-of-way mapping .
07/09 - 08/12	LADOTD Local Road Safety Program, Linear Street - Rough Edge Road in Lincoln Parish, LA (737-31-0003-A & 700-99-0444) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, logistics, and QA/QC for topographic and property surveys , property base maps, and final right-of-way maps .
01/07 - 07/12	Bossier Parish Police Jury, Bellevue Road Improvements (US 80 to Winfield Road) Bossier Parish, LA (BPPJ 2010-277) Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveys, property surveys, and right-of-way mapping including preliminary/final plans for the widening and possible realignment of Bellevue Road.
07/08 - 09/11	LADOTD Route LA 523, Caddo Parish, LA (103-01-0025) Surveyor-in-Charge of staking and setting 131 right-of-way monuments with posts and producing final monumentation maps for filing as a sub consultant to Gilchrist Construction Company.
08/10 - 04/11	Bossier Parish Police Jury, Poole Road Bridge Over Flat River, Bossier Parish, LA (Agency Proj. No. Unknown) Principal-in-Charge of contract administration, staffing, coordination, and QA/QC for topographic surveys, property mapping , and engineering design for the spot replacement of a 15-span timber bridge over the Flat River in rural Bossier Parish.
03/08 - 11/10	LADOTD MacArthur Avenue Interchange Completion (Phase I) Route US 90, Jefferson Parish, LA (701-65-0997 & 283-09-0114) Principal-in-Charge of contract administration, fee negotiations, scope of work, staffing, logistics, and QA/QC for property surveying and right-of-way acquisition map preparation on approx. 0.5-mile segment of a new construction project to add turning lane and subsurface drainage.
10/01 - 08/10	LADOTD I-49 North (LA 1 to LA 173) Route I-49, Caddo Parish, LA (700-09-01380) Principal-in-Charge of fee negotiations, scope of work, staffing, logistics, and QC/QA for topographic surveys, property surveys , and base and final right-of-way maps for a new route covering 7.21 miles and over 50 parcels.
03/04 - 12/06	LADOTD Route US 425 Bastrop - Log Cabin, Morehouse Parish, LA (038-03-0022) Surveyor-in-Charge directed topographic surveys, property surveys , and established a control network in preparation of final right-of-way plans for the upgrade of 6.6901 km (5.8 miles) of two-lane roadway to five-lane for both urban and rural section.

16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.					
	Name		Bryan Bunch, PLS		Years of Relevant Experience with this Employer	15.5
	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 Meets MPR 4			
Bryan will serve on the topographic survey team and will conduct field surveys to capture roadway cross-sections, drainage conditions, and utility locations . He will assist in stationing project centerlines and documenting existing site conditions . His work will be crucial in ensuring that the survey data accurately informs the project's design and layout. Bryan will manage survey crews, processing, drafting, and submittals.						
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).				
12/17 - 09/24		LADOTD I-10: LA 415 to Essen Lane on I-10 and I-12, West and 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 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. NTBA is currently performing topographic surveys near the I-10 and I-110 interchange for three additional areas.				
01/22 - 06/24 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, surveys in support of QL A, B, C, & D utility designating/locating, title takeoffs, description preparations, and preliminary and final right-of-way mapping for the design-build project to replace the Jimmy Davis Bridge across the Red River.				
04/21 - Ongoing		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, surveys in support of QL C & D subsurface utility services, title takeoffs, description preparations, and preliminary and final right-of-way mapping for 34 bridge and culvert replacements as a subconsultant to BKL.				
04/21 - Ongoing SECTION 17 PROJECT		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, surveys in support of QL C & D subsurface utility services, title takeoffs, description preparations, preliminary and final right-of-way mapping for 21 bridge and culvert replacements as a subconsultant to Waggoner (formerly Sigma).				
07/23 - 06/24		LADOTD IJA Off-System Bridge Program, District 62 (4400025041) Quality Control Surveyor assisting in staffing, coordination, and QA/QC for Static GPS control surveys, topographic surveys, property surveys, title takeoffs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.				
08/22 - 06/24		CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Quality Control Surveyor assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, title takeoffs, boundary and right-of-way calculations , CADD drawings, and plats for maintenance and construction projects.				

Bryan Bunch resume continued

04/22 - 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713) Survey Project Manager directing field crews, file processing, drafting, and submittals for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, 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 for approximately 1,500 feet of Ward Creek.
01/20 - 03/21	UPRR Big Sandy Siding Survey, Upshur and Wood Counties, TX (29543/90502) Assistant Project Manager assisted in the management of field crews and technicians for property surveying services for 15 parcels along railroad consisting of approximately 3.24 miles of track to establish the existing railroad right-of-way. 8 ALTA Surveys were prepared along with the privately owned parcels for acquisition, 0.25 acre acquisition parcel in the right-of-way, and an overall right-of-way strip map.
05/15 - 12/20 SECTION 17 PROJECT	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.
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, right-of-way mapping, QL D subsurface utility services, and drainage map preparation as a sub to Denmon (Volkert).
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 right-of-way 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 surveying services, HDS 3D Terrestrial Laser Scanning, drainage map preparation, and 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 surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for an overpass connection, relocation of existing lanes, and construction of additional lanes as a subconsultant to AECOM.
07/12 - 01/14	LADOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Project Manager directed survey crews, file processing, drafting, and submittals for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a subconsultant to GEC, Inc.
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 surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a subconsultant to GEC, Inc.
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 right-of-way. Bryan also managed the preparation of right-of-way acquisition maps for 165 parcels.
01/12 - 04/12	LADOTD I-12 Walker to Satsuma, Livingston Parish, LA (4400001798 & H.009836.5) Project Surveyor assisted in the supervision of survey crews, file processing, drafting, and submittals for topographic surveying services for interstate rehabilitation.

16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.				
	Name		Mike King, PLS	Years of Relevant Experience with this Employer	18
	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		
As part of the topographic survey team, Mike will focus on stationing project elements , measuring lane widths , and documenting drainage structures . He will work closely with other team members to ensure comprehensive data collection and will support the development of detailed topographic maps that meet project requirements. Mike will serve as NTBA Assistant Project Manager for topographic surveying services during this contract. He will assist in the management of staff and ensure quality standards and specifications are met.					
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).				
12/17 - 09/24	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 takeoffs, description preparations, preliminary and final right-of-way mapping , and surveys in support QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.				
01/22 - 06/24 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 takeoffs, description preparations, preliminary and final right-of-way mapping , and surveys in support QL A, B, C, & D utility designating/locating for the design-build project to replace the Jimmy Davis Bridge across the Red River.				
04/21 - Ongoing	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, surveys in support of QL C & D subsurface utility services, title takeoffs, description preparations, and preliminary and final right-of-way mapping for 34 bridge and culvert replacements as a subconsultant to BKL.				
04/21 - Ongoing SECTION 17 PROJECT	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, surveys in support of QL C & D subsurface utility services, title takeoffs, description preparations, and preliminary and final right-of-way mapping for 21 bridge and culvert replacements as a subconsultant to Waggoner (formerly Sigma).				
08/22 - 08/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Quality Control Surveyor assisting in staffing, coordination, and QA/QC for topographic surveys, property surveys, title takeoffs, boundary and right-of-way calculations, CADD drawings, and plats for maintenance and construction projects.				
04/22 - 04/23	LADOTD Monkhouse to I-49, Caddo Parish, LA (4400017713) Assistant Project Manager assisting in the management of field crews and technicians for Static GPS Control, topographic surveys utilizing HDS 3D Terrestrial Laser Scanning methods of data collection, QL C & D subsurface utility services , drainage map preparation, and Mobile Laser Scanning for interstate rehabilitation.				
07/23 - 05/24	USM Bedford to Brown Pipeline, Red River Parish, LA (301884) Assistant Project Manager assisting in the management of field crews and technicians for property surveying services for 11 parcels for a proposed pipeline alignment approximately 5.6 miles in length.				

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.
05/15 - 12/20 SECTION 17 PROJECT	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.
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 surveying services for interstate rehabilitation.
10/15 - 12/15	LADOTD Caddo Lake Bridge, Route LA 1 Caddo Parish, LA (H.01166.5) Quality Control Surveyor reviewed data and drafting for topographic surveys performed along a portion of the existing route of LA Hwy. 1 for a proposed bridge replacement at the intersection of Caddo Lake and LA Hwy. 1 in Caddo Parish east of Mooringsport.
05/13 - 10/15	Bossier Parish Police Jury, Kingston Road Improvements and Development, Bossier Parish, LA (Proj. No. Unknown) Senior Party Chief/Technician ran a field crew and downloaded data for topographic surveys, property surveys, final right-of-way 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 surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for bridge rehabilitation.
07/12 - 01/14	LADOTD I-10 Loyola Ave. to Williams Blvd., Jefferson Parish, LA (H.003074.5 & H.009087.5) Senior Survey Party Chief/Technician managed a survey crew and processed data for topographic surveying services utilizing HDS 3D Terrestrial Laser Scanning methods of data collection for interstate rehabilitation as a subconsultant 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 right-of-way mapping, and title work.
05/11 - 11/11	LADOTD Goose Bayou Bridge Replacement, Route LA 45, Jefferson Parish, LA (4400000681 & H.002230) Survey Party Chief/Technician ran a field crew and processed data for property surveys in support of base and final right-of-way map preparation.
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 surveying services for interstate rehabilitation.
01/09 - 11/10	LADOTD MacArthur Avenue Interchange Completion (Phase I) Route US 90, Jefferson Parish, LA (701-65-0997 & 283-09-0114) Survey Party Chief/Technician ran a field crew and processed data for property surveying services in support of right-of-way acquisition map preparation.
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 takeoffs, and right-of-way map preparation.
11/07 - 06/09	LADOTD US 371 Desoto Line to LA 1/US 84/Route US 371, Red River Parish, LA (700-99-0328, 701-65-0879, & 4400000666) Survey Crew Chief/Technician ran a field crew and processed data for property surveying services in support of right-of-way maps and title takeoffs for 19 parcels for a new route 3.73 miles in length.

16. STAFF EXPERIENCE:

	Firm Employed By: NTB Associates, Inc.				
	Name	John King		Years of Relevant Experience with this Employer	18
	Title	Supervisor Other		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		
John will be part of the topographic survey team and will be involved in conducting field measurements of roadway and ditch cross-sections, stationing centerline, and documenting existing utilities. He will also assist in stationing transitions and ensuring that all survey data is accurately recorded and ready for integration into the project's design plans. John is chief operating officer in NTBA. He will serve as NTBA staff manager during this contract. He will oversee all staff and assist in scope, fee, scheduling, and management.					
Experience Dates (mm/yy-mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s).				
01/22 - 06/24 SECTION 17 PROJECT	LADOTD Jimmie Davis Bridge (LA 511) Design-Build, Bossier & Caddo Parishes, LA (H.001779) Staff Manager for Static GPS Control surveys, topographic surveys, property surveys, title takeoffs, legal description preparation, preliminary and final right-of-way 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.				
04/21 - Ongoing	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (4400019337) Staff Manager for Static GPS Control surveys, topographic surveys , property surveys, title takeoffs, legal description preparation, preliminary and final right-of-way mapping , and QL C & D subsurface utility services for 34 bridge and culvert replacements as a subconsultant to BKL.				
04/21 - Ongoing SECTION 17 PROJECT	LADOTD Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (4400019338) Staff Manager for Static GPS Control surveys, topographic surveys , property surveys, title takeoffs, legal description preparation, preliminary and final right-of-way mapping , and QL C & D subsurface utility services for 21 bridge and culvert replacements as a subconsultant to Waggoner (formerly Sigma).				
07/23 - 06/24	LADOTD IJJA Off-System Bridge Program, District 62 (4400025041) Staff Manager for Static GPS control surveys, topographic surveys , property surveys, title takeoffs, legal description preparation, and preliminary and final right-of-way mapping in support of bridge replacements.				
08/22 - 07/24	CenterPoint Surveying Services, Various Parishes, LA (Various Agency Proj. Nos.) Staff Manager for topographic surveys , property surveys, title takeoffs, boundary, and right-of-way calculations, CADD drawings, and plats for maintenance and construction projects.				
05/15 - 12/20 SECTION 17 PROJECT	City of Bossier, Walter O. Bigby Carriageway (N. Pkwy Ext.) Bossier Parish, LA (City Proj. No. 8-15) Staff Manager for 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 .				
07/10 - 10/12	LADOTD LA 42 Widening and Improvements District 61, Ascension Parish, LA (700-03-0125 & 701-65-1538) Staff Manager for topographic and property surveys , title work, and right-of-way mapping to locate all existing structures within 50 feet of proposed right-of-way for 165 parcels.				

John King resume continued

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 for topographic and property surveys , preparation of right-of-way maps , title work, title updates, and title takeoffs for three bridge construction sites.
01/09 – 03/10	LADOTD Otter Creek and Drain Bridges near Arcadia, Route LA 9, Bienville Parish, LA (700-07-011, 700-07-0113, & 4400000666) Staff Manager for property surveying services , title work, and the preparation of base and final right-of-way maps at two bridge sites.
01/09 – 06/09	LADOTD US 371 Desoto Line to LA 1/US 84/Route US 371, Red River Parish, LA (700-99-0328, 701-65-0879, & 4400000666) Staff Manager for property surveying services, base maps, right-of-way maps , and title takeoffs for 19 parcels for a new route 3.73 miles in length.

16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC				
	Name		Sheelagh Brin Ferlito, PE, PTOE	Years of Relevant Experience with this Employer	9
	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			
As the traffic lead, Brin will oversee all aspects of the traffic engineering components of the project. She will be responsible for conducting traffic analyses , including evaluating current traffic flow, identifying potential issues, and recommending improvements. Brin will coordinate with the design team to integrate traffic management solutions, ensuring safety and efficiency are prioritized in all phases of the project. She will also oversee the preparation of traffic control plans , ensure compliance with DOTD standards , and provide leadership and guidance to the traffic team throughout the project.					
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, L (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 DOTD and EBR Traffic Engineering Department. She understands the current requirements for all aspects of traffic engineering projects.			
07/19 - Ongoing		DOTD 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 DOTD.			
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 DOTD Traffic Engineering Manual Crosswalk Guidelines followed by traffic signal design plans based on DOTD requirements. The study included traffic and pedestrian traffic data collection, a speed study, crash analyses, intersection analyses, and progression analyses . The signal plans included pedestrian signal equipment, signal timing parameter calculations, crosswalk striping, signs, DOTD pay items, estimated quantities, and construction cost. Brin also assisted with the Parish with the DOTD Permit Request for Intersection Control Devices on a State right-of-way.			

Sheelagh Brin Ferlito resume continued

09/17 - 04/18	US 11 at US 190 Bus. (Fremaux Ave.) Pedestrian Crosswalk Study and Traffic/Pedestrian Signal Equipment Design, Slidell, LA Brin developed a formal traffic study for a proposed crosswalk with pedestrian traffic signal equipment and pedestrian clearance timings based on DOTD requirements. Brin assisted with vehicle and pedestrian data collection, spot speed study, analyzed 3-year intersection crash data, and developed signal timing for pedestrians to cross the street. From the design study, a set of Traffic Signal Modification Plans were developed to implement the recommended alternative.
08/15 - 05/17	Enhancing Guidance for Evacuation Time Estimate Studies (Nuclear Regulatory Commission, Rockville, MD) Brin conducted an applied research study of U.S. Nuclear Regulatory Commission guidance for developing evacuation time estimate studies and produced a technical basis for revision of NUREG/CR-7002 "Criteria for Development of Evacuation Time Estimate Studies" in support of the 2020 update of ETEs. Specifically, Brin was the lead VISSIM modeler for the "large" population models, which consisted of a 20-mile radius model. The VISSIM model input included traffic volumes distributed over 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.
04/14 - 12/14	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. Ms. Ferlito 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.
07/12 - 03/14	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 DOTD 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.
07/08 - 09/09	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 DOTD and 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 DOTD Materials Lab, and developed change orders and monthly contractor pay estimates. She also coordinated with DOTD ITS division for fiber splicing into Airline Highway fiber backbone and ATM/EOC building. She processed all monthly tasks electronically in DOTD Site Manager and in EBR required formats as well as all items on the DOTD Project Closeout Checklist including the 2059 Report.
09/13 - 04/14	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.
03/05 - 11/05	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.

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
Title	Supervisor - Eng		Years of Relevant Experience with Other(s) Employers
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

As part of the traffic team, Laurence will focus on conducting **traffic studies** and analyzing data related to vehicle flow, signal timing, and intersection performance. He will assist in developing **traffic control plans** and provide input on **signage** and **pavement markings** to optimize road safety and efficiency. Collaborating closely with the traffic lead, he will ensure that all recommendations are aligned with **project goals** and **DOTD regulations**.

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).
07/19 - Ongoing	MOVEBR New Capacity Projects Program Management, Baton Rouge, LA At the beginning of the program, Laurence worked with the Capital Region Planning Commission to produce measures of effectiveness from the travel demand model to prioritize the MOVEBR project list. Laurence and Pong Wu developed a list of vehicle miles traveled, V/C ratios and vehicles hours of delay. Laurence also provided peer review for the traffic studies for Ben Hur Road and Lee Drive.
07/23 - 11/23	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 DOTD.
04/23 - 10/23	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.
04/18 - 12/21	LA 30 Roundabouts at Tanger & I-10 Gonzales, Ascension, LA (H.010960.5) 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.
04/18 - 12/21	Roundabout: US 171 at Boone St., Vernon Parish, LA (H.011909.5-4) Quality Control Review. 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 Manual on Uniform Traffic Control Devices (MUTCD) details on roundabouts.
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 DOTD 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.

Laurence Lambert resume continued

01/23 - 02/24	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.
10/21-03/22 SECTION 17 PROJECT	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 CATScan, LOS determination utilizing Citrix data, lane closure recommendations based on a queue analysis and public information strategies.
09/18 - 02/19	I-110 ITS Deployment Systems Engineering Analysis (H.013261.1) Project Manager. As a subconsultant, Laurence was the task leader for the constraints & alternatives analysis as well as the Projects & Procurement Strategy portion of the project. The goal of the project was to deploy Close Circuit Television (CCTV) cameras and one Dynamic Message Sign (DMS) along the I-110 corridor from US 190 to US 61. To communicate with the field devices from the Traffic Management Centers (TMCs), installing fiber optics along the I-110 corridor was recommended. The fiber optics also allow communication to the traffic signals at the interchange ramps along I-110 to the TMC.
06/12 - 12/12	Ramp Metering Study of I-10 Segment, East Baton Rouge and Ascension Parishes, LA Project Manager. Laurence conducted a feasibility study to deploy ramp meters along the 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 DOTD I-10 Widening Project Phases 1 and 2, the Green Light Plan (GLP) Essen Lane Widening Project, and the GLP Highland Road Widening Project.
09/16 - 04/17	H.004957.5 I-12 To Bush - LA 3241 (I-12 - LA 36) Corridor Study, St. Tammany Parish, LA Lead Traffic Engineer. Laurence was the lead traffic engineer for a DOTD traffic study for the new LA 3241 alignment with the purpose of obtaining both existing and projected future traffic variables in accordance with standard operating procedures typically performed in these types of analyses. Laurence worked closely with the NORPC and District 62 to develop design year volumes using data from the TransCAD model. The traffic study examined concepts that improved the safety and efficiency of the roadway consistent with the latest DOTD policies related to access management. 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. Laurence also developed a VISSIM traffic simulation model of the preferred alternative.
07/16 - 01/17	FHWA Intersection & Interchange Geometrics: Innovative Design Considerations for All Users, Norfolk, VA At the request of the Federal Highway Administration (FHWA) division office for Virginia, Laurence was asked to peer review a set of design plans for a Displaced Left Turn (DLT) in Norfolk, VA. The plans were part of a design-build project that included widening a corridor, modifications to an interchange and the implementation of a DLT . Vectura specifically reviewed and commented on the intersection geometry, pavement markings, and signage . The findings were summarized in a technical memorandum as well as "red line" comments were scanned and submitted to the FHWA Virginia Division office for their use.
04/04 - 09/06	Stage 0 I-10 at Pecue Lane Interchange Justification Study, Baton Rouge, LA Lead Traffic Engineer. Laurence was the lead traffic engineer for a Stage 0 traffic study analyzing the proposed interchange at I-10 and Pecue Lane. Laurence developed current and future traffic volumes based on the CRPC TransCAD model growth rates. Using HCS, Laurence analyzed signalized and unsignalized intersections, basic freeway segments, freeway merge/diverge segments, and freeway weaving segments. Laurence also developed a micro-simulation model in both VISSIM and TSIS.

16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC					
	Name		Reece Rodriguez, 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			
As part of the traffic team, Reece will be responsible for gathering and evaluating traffic data , including traffic counts and speed studies, to support the development of traffic management strategies . He will work on the design of traffic signals and control systems , ensuring their implementation meets safety standards and addresses potential traffic issues. He will assist in reviewing plans and providing technical support during the project's execution.						
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 10 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 right-of-way.					
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 DOTD, 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	DOTD 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 DOTD and ITE guidance. Reece is responsible for producing the traffic impact analysis portion of the Traffic Management Plan that was also used in planning for the permanent and temporary signal timing plans . Reece was also responsible for producing the permanent signal plans for the LA 23 intersections at Engineers Road and at Burmaster Street. He evaluated stop bar locations, calculated vehicle and pedestrian clearance intervals, designed the railroad preemption sequence for both at-grade crossings, designed the wiring layout, and developed the interconnect plan. In addition, Reece was responsible for reviewing and approving shop drawings that were submitted by the contractor for use in construction.					

SECTION 17 PROJECT

Reece Rodrigue resume continued

01/21 - 05/21 SECTION 17 PROJECT	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 DOTD'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 2 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.

16. STAFF EXPERIENCE:

	Firm Employed By: Vectura Consulting Services, LLC				
	Name	Kristen Farrington, PE, PTOE, RSP1		Years of Relevant Experience with this Employer	2
	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/3-31-2025		
	Year Registered	2018	Discipline	Civil Engineering	
Contract Role(s)/Brief Description of Responsibilities		Traffic			
Kristen will play a key role on the traffic team addressing the impacts of construction on existing traffic patterns and developing strategies to minimize disruptions . She will focus on the layout of traffic control devices and the design of temporary traffic routes . Additionally, Kristen will collaborate with the broader team to ensure that all traffic related designs are compliant with DOTD guidelines and contribute to the overall safety and efficiency of the project.					
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	CP#16 CI-US-0032 Bus Rapid Transit (BRT) Improvement Project, Baton Rouge, LA Project Engineer. Kristen is project engineer for a traffic design study and traffic signal design of 19 signals along three corridors: Plank Road, 22nd Street, and US 190 (Florida Street). Kristen is assisting the prime consultant with the safety analysis as well.				
07/23 - 01/24	CCC Decorative Lighting Level 4 TMP, New Orleans, LA (H.015504.5) Lead Traffic Engineer. Kristen was the lead traffic engineer for a Level 4 Traffic Management Plan (TMP) for the Crescent City Connection (CCC). Kristen performed a 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 DOTD.				
04/23 - 10/23	I-12: US 61 Bridges Girder Repairs, Baton Rouge, LA (H.014591.5) Lead Traffic Engineer. Kristen was the lead traffic engineer for a Level 2 TMP for the interchange of I-12 at US 61. Kristen performed a 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 DOTD.				
08/21 - 04/22	Downtown to Scotlandville Parkway Trail Safety Enhancement Study, Baton Rouge, LA (H.013267) Project Engineer. Kristen was a project engineer for a design study to evaluate the recommended street crossing treatments of the trail at eight locations. The project consisted of collecting vehicular speed and volume data at the proposed trail crossings. Geometric field checks were also performed to determine if any hazards to pedestrians or cyclists existed. Once the field data was collected and analyzed, appropriate crossing treatments utilizing the FHWA STEP Guide for Improving Pedestrian Safety at Unsignalized Locations were developed that included Rectangular Rapid-Flashing Beacons (RRFB) and Pedestrian Hybrid Beacons (PHB's). Currently, Vectura is developing plans for the PHB's at four locations which will be the first implementation of PHB's in the Baton Rouge area.				
02/20 - 09/21	MOVEBR College Drive Enhancement Project, Baton Rouge, LA Kristen assisted with the data collection task 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.				
6/19 - 2/21	US 167 Improvements Stage 0 Elsie Street to Gilbert Street, St. Landry Parish, LA (H.013459) Project Manager. Kristen served as project manager for a Stage 0 study to evaluate the addition of a third lane to US 167 from Elsie Street south to a point past Gilbert Drive. Environmental impacts and cost estimates were prepared , as well as a benefit-cost analysis of all improvements considered. She was the civil engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis. She designed high-level concept exhibits and comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.				

Kristen Farrington resume continued

6/19 - 2/21	US 167 Improvements Stage 0 Enola Street to Ross Road, Evangeline Parish, LA (H.013460) Project Manager. Kristen served as project manager for a Stage 0 study of a two-lane road to remove a curvilinear section of US 167 from Enola Street near LA 748, southeast for approximately 1.2 miles. The study compared connecting existing property owners to a new roadway with driveways or intersection of old roadway. Environmental impacts and cost estimates were prepared. Kristen was the civil engineer responsible for safety analysis including crash rate number method, over-representation, CATScan quality assurance, HSM existing safety analysis, and No-Build Analysis, as well as a benefit-cost analysis. She designed high-level concept exhibits and a comparison matrix to determine best preliminary alternatives moving forward to meet the purpose and need of the project. Compiled meeting agenda materials and minutes.
04/19 - 6/21	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 LA 117 from LA 8 to LA 118. 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, CATScan 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. Kristen compiled all findings in the Stage 0 report and coordinated with stakeholders and local agencies to ensure the purpose and need of project is met.
03/19 - 11/19	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. She compiled meeting agenda materials and minutes, coordinated with interchange study consultants for a cohesive project, and wrote report.
11/18 - 3/21	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. She compiled all data collected into Appendices A and B per the DOTD Traffic Process and Report and wrote Chapter 1 of report. Kristen represented the project at stakeholder meetings to discuss project status.
04/18 - 04/19	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 CATScan tool and IHSDM, and line and grade was prepared to DOTD 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 right-of-way and utility conflicts along the corridors.



Section 17

I-220/I-20 Interchange Improvements & BAFB Access Design Build
Bossier Parish
H.003370

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

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

17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	LA 342: Roundabout at LA 724 Route LA 342	Past Performance Evaluation Category(ies)*	Other (Project Management), Right-of-Way, Survey
		Firm Responsibility	
Project Number	H.002163	Owner's Name	LADOTD
Project Location	Lafayette Parish, LA	Owners Project Manager	Tim Nickel, PE
Owners Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70806 225.379.1366 timothy.nickle@la.gov		
Services Commenced by this Firm (mm/yy)	001/14	Total Consultant Contract Cost (\$1,000's)	\$282.8
Services Completed by this Firm (mm/yy)	07/16	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$282.8

Project Description:

This project included full **topographic surveying, right-of-way (ROW) mapping, and road design** for a new single lane roundabout in Lafayette, LA. Waggoner (formerly Sigma) designed a roundabout at the intersection of Ridge Road and Fieldspan Road. The intersection geometry includes an urban two-lane highway to the east (LA 342), a local two lane road to the west (Ridge Road), and an urban two lane highway to the north (LA 724) and south (LA 342/LA 724). The design of the project is in conformance with EDSM VI.1.1.6, along with all recommendations from the project roundabout study. The project included subsurface and open ditch drainage through and area with minor historic flooding and very little hydraulic fall.

The topo survey included topography of the existing roadway, drainage features, existing utilities and roadside features. Waggoner coordinated with the **DOTD District 03** Utility Coordinator and utility owners for utility impacts to the project. Right of way maps were also prepared by Waggoner in accordance with **DOTD Location & Survey requirements**.

Topographic/Property Survey & ROW Maps

- GPS Control Sketch
- Field Topography
- Property Survey
- Title Research Reports
- Right-of-Way Maps
- Utility Coordination: QL-D and QL-C
- Topographic Mapping with INROADS Survey

Road Design (Preliminary & Final Plans)

- Horizontal & Vertical Geometry
- Design Report
- Typical Sections
- Geometric Details
- Plan/Profiles
- Drainage Design
- Cross Sections
- Permanent Signing & Striping
- Construction Sequencing
- Engineer's Construction Cost Estimate & Quantities
- Microstation/CADconform Plan Delivery

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Drainage Design
- ✓ Multi-Disciplinary Plan Development
- ✓ Preliminary & Final Road Plans
- ✓ Comment Response & Logs
- ✓ Property Survey
- ✓ Right-of-Way Maps
- ✓ Utility Coordination
- ✓ Construction Support



Team Members Involved:

Robert Lear, Joshua Renard, Alex Farr, Miles Williams



17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
Project Name	I-10: LA 347 to Atchafalaya Floodway Bridge	Past Performance Evaluation Category(ies)*		Environmental, Other (Project Management), Right-of-Way, Road, Survey, Traffic
		Firm Responsibility	Prime	
Project Number	H.003014	Owner's Name	LADOTD	
Project Location	St. Martin Parish	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)	6/13	Total Consultant Contract Cost (\$1,000's)		\$852.7
Services Completed by this Firm (mm/yy)	7/22	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$852.7

Project Description:

Waggoner (formerly Sigma) is the prime consultant for this project which includes topographic and control surveying, interstate highway design, **diamond interchange design with roundabouts at the ramp termini**, and roadway improvements to LA 347.

Waggoner performed the topographic survey which includes four bridges, a wooded median, drainage structures and outfalls, interchanges, roadways along LA347 and LA352, and utility crossings. LADOTD survey and linework codes were used in the field. Waggoner used Inroads Survey, CADconform, and LADOTD codes to prepare the topographic map and required .fwd, .dtm, and .alg files for this project.

The interstate design includes three lanes in the WB direction and two lanes in the EB direction separated by either a median barrier or a wooded median. A complex sequence of construction was developed to allow for **construction of new ramp termini at LA 347 with roundabouts** and to handle traffic at the Atchafalaya Basin Bridge for approach slab construction. **Waggoner coordinated closely with DOTD Bridge Design section (Andrew Windmann, now with Waggoner, was the lead designer), which was responsible for bridge widening at two locations. Detailed hydraulic analysis of the outfall channel adjacent to LA352 including HEC-RAS modeling was conducted by Waggoner to alleviate flooding problems at the interchange.**

Waggoner assembled the multi-discipline plan set, quantities, pay items and worked with DOTD Project Management to develop the estimated construction costs. Sigma is currently providing construction support.

Road Design (Preliminary & Final Plans)

- Expedited Schedule
- Interstate Highway Design
- **Interchange Design - Roundabout Design**
- Typical Sections - PCC and Asphalt Alternatives
- **Open Ditch and Subsurface Drainage Design**
- **Plan Profiles**
- **Geometric Details**
- **Complex Sequence of Construction**
- Level 4 Traffic Management Plan
- **Cross Sections**
- Permit Sketches
- Coordinated Roadway Lighting with Sub
- **Utility Conflict Matrix and Coordination with District Utility Engineer**
- Construction Support
- **Multi-Discipline Plan, Pay Item, Cost Estimate Assembly**
- QA/QC Checklist

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Hydraulics Report & Calculations
- ✓ Electronic Plan Development
- ✓ Comment & Response Logs
- ✓ Multi-Disciplinary Plan Set Management
- ✓ Preliminary & Final Road Plans
- ✓ Traffic Management Plan (Level 4)
- ✓ Property Survey
- ✓ Right-of-Way Map
- ✓ Construction Support
- ✓ Shop Drawings



Team Members Involved:

Robert Lear (PM), Miles Williams, Alex Farr, Bryan Harmon, Joshua Renard, Andrew Windmann



17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)			
Project Name	LA 347: Roundabout at Melancon Road	Past Performance Evaluation Category(ies)*		Other (Project Management), Right-of-Way, Road, Survey
		Firm Responsibility	Subconsultant	
Project Number	H.009456	Owner's Name	LADOTD	
Project Location	St. Martin Parish 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)	01/14	Total Consultant Contract Cost (\$1,000's)		\$297.9
Services Completed by this Firm (mm/yy)	12/16	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$297.9

Project Description:

This project included full topographic surveying, right-of-way mapping, and **road design for a new single lane roundabout** in Breaux Bridge, LA.

Waggoner (formerly Sigma) **designed a single-lane, four-legged roundabout** at the intersection of LA 347 and Doyle Melancon Road/Extension. The design of the project is in conformance with EDSM VI.1.1.6, along with all recommendations from the project roundabout study. The project included relocation of a large drainage ditch and 72-inch CMPA subsurface drainage. The geometrics were designed to eliminate impacts to a significant oak tree at the southeast quadrant of the intersection.

The topo survey included topography of the existing roadway, drainage features, existing utilities and roadside features. Sigma coordinated with the DOTD District 03 Utility Coordinator and utility owners for utility impacts to the project. Right of way maps were also prepared by Waggoner.

Topographic/Property Survey & ROW Maps

- GPS Control Sketch
- Field Topography
- Property Survey
- Title Research Reports
- Right of Way Maps
- Utility Coordination: QL-D and QL-C
- Topographic Mapping with INROADS Survey

Road Design (Preliminary & Final Plans)

- Horizontal & Vertical Geometry/Design Report
- Typical Sections
- Geometric Details
- Plan/Profiles
- Drainage Design
- Cross Sections
- Permanent Signing & Striping
- Construction Sequencing
- Engineer's Construction Cost Estimate & Quantities
- Microstation/CADconform Plan Delivery

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Drainage Design
- ✓ Multi-Disciplinary Plan Development
- ✓ Preliminary & Final Road Plans
- ✓ Comment Response & Logs
- ✓ Property Survey
- ✓ Right-of-Way Maps
- ✓ Utility Coordination
- ✓ Construction Support



Team Members Involved:

Robert Lear, Alex Farr, Joshua Renard, Miles Williams



17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	LA 352 Drainage Improvements	Past Performance Evaluation Category(ies)*	Other (Project Management), Right-of-Way, Road, Survey
		Firm Responsibility	Prime
Project Number	H.014415	Owner's Name	LADOTD
Project Location	St. Martin Parish	Owners Project Manager	Corey Landry, PE
Owners Address, Phone, Email	PO Box 94245, Baton Rouge, LA 70806 225.379.1889 Corey.Landry@la.gov		
Services Commenced by this Firm (mm/yy)	05/21	Total Consultant Contract Cost (\$1,000's)	\$209
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$209

Project Description:

Waggoner is the prime consultant for this project, which involves the **design and construction plan preparation** for regional drainage improvements near the I-10 Henderson exit in St. Martin Parish. The area experiences regional flooding due to undersized side drains, side road cross drains, and spill-over from adjacent drainage areas during significant rain events. Waggoner conducted a detailed hydraulic analysis, including HEC-RAS modeling, to determine solutions to alleviate flooding problems at the interchange. The selected alternative included removing undersized pipes at three locations on LA 352, installing a 10'x6' RCB at two locations, and a combination of open ditch and subsurface drainage bypass systems to equalize flow from the interchange. Waggoner assembled the plan set, quantities, pay items, and estimated construction costs. Additionally, Waggoner performed a **topographic survey** of the one-mile long channel, identified high water marks from recent flooding, and all existing drainage structures including type, size, length, sedimentation, and flow restrictions. All design calculations, quantities, construction plans, and pay items were prepared according to LADOTD standards and specifications.

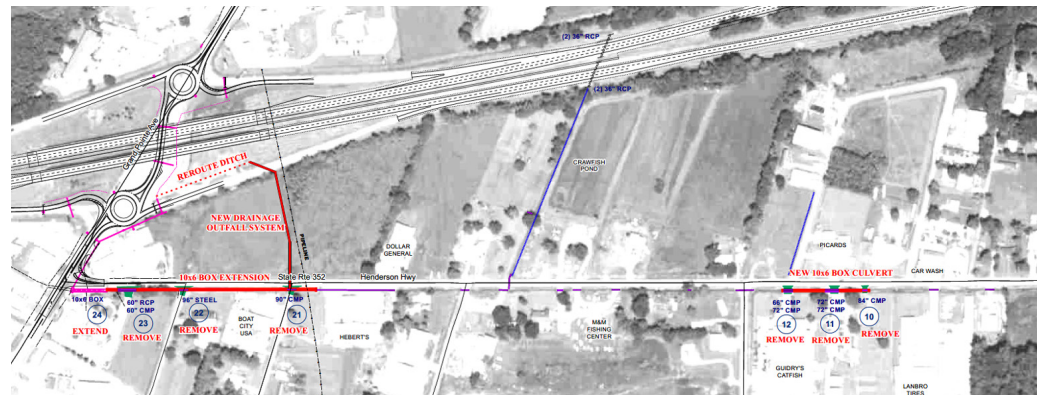
Road/Drainage Design (Preliminary & Final Plans)

- Open ditch and subsurface drainage design
- HEC-RAS and HYDRO-WIN Modeling
- Plan profiles
- Sequence of construction
- Cross sections
- District 03 coordination
- Right-of-way maps
- Utility coordination and conflict matrix development



Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Hydraulics Report & Calculations
- ✓ Electronic Plan Development
- ✓ Comment & Response Logs
- ✓ Multi-Disciplinary Plan Set Management
- ✓ Preliminary & Final Road Plans
- ✓ Traffic Management Plan (Level 4)
- ✓ Property Survey
- ✓ Right-of-Way Map
- ✓ Construction Support
- ✓ Shop Drawings



Team Members Involved:

Robert Lear, Miles Williams, Bryan Harmon, Kelsie Bankston, Joshua Olivier

17. FIRM EXPERIENCE:

Firm Name	Waggoner Engineering, Inc. (formerly Sigma Consulting Group, Inc.)		
Project Name	Rural Bridge Replacement Initiative Phase II	Past Performance Evaluation Category(ies)*	Bridge, Other (Project Management), Road
		Firm Responsibility	
Project Number	Contr. No. 4400019338	Owner's Name	LADOTD
Project Location	District. 02, 03, 07, 61, and 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)	04/21	Total Consultant Contract Cost (\$1,000's)	\$5,812
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$2,661

Project Description:

Waggoner was contracted by LADOTD to provide all necessary engineering and related services required for **developing plans** for the replacement of 29 bridges on the Louisiana State Highway System in **Districts 02, 03, 07, 61, and 62**.

Waggoner performed the investigation and analysis necessary to create the preliminary and final plans for various types and configurations of roadways and bridges. The 29 bridges were grouped into 16 projects where Waggoner used topographic survey provided by a subconsultant to establish horizontal and vertical geometry in accordance with applicable design guidelines. From this geometry, limits of construction and required right-of-way takings were established for the purpose of capturing requisite environmental areas of interest needed for NEPA approval and various agency permits.

All drainage design, grading, and structural design was performed by Waggoner. Structural design included such components as reinforced concrete decks, slab spans, and bent caps, as well as precast prestressed concrete girders and piles. Overall site conditions, hydraulic design needs, and constructability was considered when choosing the bridge replacement types and sizes.

Frequent communication was maintained between the Project Manager and the client to provide updates on the numerous submittals and extensive collaboration involved in managing 16 projects concurrently.

PRELIMINARY & FINAL PLANS

- **Road & Drainage Design**
 - Prepare design reports, design waivers, and exceptions
 - Establish horizontal and vertical geometry
 - Calculate hydraulic impact of bridge replacement
 - Guardrail and embankment widening design
 - Typical sections
 - Plan profiles and geometric details
 - Suggested sequence of construction
 - Cross sections
 - Quantities and opinion of probable construction costs
- **Bridge Design**
 - Reinforced concrete design (slab spans, bridge decks, bents)
 - Precast concrete design (girders, piles)
 - Reinforced concrete box culverts
 - Reveted channels
 - Steel sheet piling
- **Quality Assurance/Quality Control**

Project Relevance:

- ✓ Project Management
- ✓ Road Design
- ✓ Drainage Design
- ✓ Multi-Disciplinary Plan Development
- ✓ Preliminary & Final Road Plans
- ✓ Comment Response & Logs
- ✓ Property Survey
- ✓ Right-of-Way Maps
- ✓ Utility Coordination
- ✓ Construction Support

Team Members Involved:

Robert Lear, Miles Williams, Bryan Harmon, Alex Farr, Kelsie Bankston, Charlotte Gremillion, Brandon Bollich



17. FIRM EXPERIENCE:

Firm Name	Adaptive Management and Engineering, LLC		
Project Name	Proposed Pavement Expansion for the Highland Road at Siegen Lane/Burbank Drive Intersection	Past Performance Evaluation Category(ies)*	Geotech
		Firm Responsibility	Subconsultant
Project Number	20-CP-HC-0004	Owner's Name	City of Baton Rouge and Parish of East Baton Rouge
Project Location	Baton Rouge, LA	Owners Project Manager	Seneca Toussant, PE
Owners Address, Phone, Email	343 Third Street, Suite 511B 225-960-1160 stoussant@laterre-eng.com (Design Team Contact)		
Services Commenced by this Firm (mm/yy)	01/20	Total Consultant Contract Cost (\$1,000's)	N/A
Services Completed by this Firm (mm/yy)	03/22	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$25

Project Description:

The project consists of several options to increase turn lanes, increase storage lengths, and provide additional capacity through the Highland Road and Siegen Lane/Burbank Drive intersection. Michael McKinney coordinated and oversaw the field exploration for the project, which included eight soil borings and a hand auger. **Field exploration** was completed on the **existing pavement** by Michael, which required traffic control. Venu Tammineni provided pavement design recommendations for the proposed pavement expansions. Venu coordinated all aspects of the project including, but not limited to, preparation of the proposal for the project, discussion/coordination with the design team, obtaining a DOTD permit, executing a field exploration program, assigning **laboratory tests**, performing **pavement analyses**, and preparing the geotechnical report that has been reviewed and accepted by the design team.

Project Relevance:

- ✓ Field Exploration
- ✓ Soil Sampling
- ✓ Laboratory Testing

Team Members Involved:

Venu Tammineni, Michael McKinney



17. FIRM EXPERIENCE:

Firm Name	Adaptive Management and Engineering, LLC		
Project Name	Patterson 2022 Street Improvements	Past Performance Evaluation Category(ies)*	Geotech
		Firm Responsibility	Subconsultant
Project Number	N/A	Owner's Name	City of Patterson
Project Location	St. Mary Parish, LA	Owners Project Manager	Gary Leonards, PE
Owners Address, Phone, Email		1297 St. Charles Street, Suite H, Houma, LA 70360 985-876-6380 GaryLeonards@ProvidenceEng.com	
Services Commenced by this Firm (mm/yy)	03/22	Total Consultant Contract Cost (\$1,000's)	N/A
Services Completed by this Firm (mm/yy)	04/22	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$8

Project Description:

The City of Patterson is conducting roadway improvements for selected roads throughout the city. The roadway surfaces are currently asphalt or crushed limestone wearing surface, with an aggregate and sand base layer present in some locations. The asphalt surface layer has degraded in multiple locations, exposing the crushed limestone base. AME performed eight **soil borings** on the **existing roadways** in support of a new pavement design. The **field explorations** were coordinated and overseen by Ryan Williamson and Michael McKinney. A full suite of laboratory testing was performed on the **thin-walled tube samples**. Justin Ator oversaw and performed QA/QC on all laboratory testing, and **generated soil boring logs** for the project. Engineering design and reporting was overseen by Venu Tammineni and Gregory Mattson.

Project Relevance:

- ✓ Field Exploration
- ✓ Soil Sampling
- ✓ Laboratory Testing

Team Members Involved:

Venu Tammineni, Gregory Mattson, Ryan Williamson, Michael McKinney



17. FIRM EXPERIENCE:

Firm Name	Adaptive Management and Engineering, LLC			
Project Name	Various Projects as Sub on LADOTD IDIQ for Geotechnical Services	Past Performance Evaluation Category(ies)*		Geotech
		Firm Responsibility	Subconsultant	
Project Number	N/A	Owner's Name	LADOTD	
Project Location	Various	Owners Project Manager	Jessee Rauser, PE	
Owners Address, Phone, Email		PO Box 94245, Baton Rouge, LA 70806 225.379.1312 jesse.rauser@la.gov		
Services Commenced by this Firm (mm/yy)	Various	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)		\$48

Project Description:

AME is a subconsultant to ECS, GeoEngineers, and Eustis on their five-year **Geotechnical Statewide IDIQ** contract with the State of Louisiana. AME has received **testing** or has assisted with proposals on the following projects listed below:

- LA 394 and LA 110 Creek Bridges (Completed - \$4,358)
- LA 1 Port Allen Canal (Completed - \$12,270)
- Savanne Road over Hanson Canal (Completed - \$6,616)
- H.014416-LA 3125 @ LA 3274 Roundabout (Proposed)
- H.014981-Hosston Road Over Kelly Bayou (Proposed)
- H.014989- Neff Lane Over Wind Creek (Proposed)
- H.001970-LA 561 Bridge Replacement over Boeuf River (Completed - \$25,000)

Project Relevance:

- ✓ Field Exploration
- ✓ Soil Sampling
- ✓ Laboratory Testing

Geotechnical Laboratory Testing

- **Sample extrusions and storage**
- **Standard Classification of Soils in general accordance with ASTM International (ASTM) D2488**
- Gradation of soils (ASTM D422)
- Moisture content determination (ASTM D2216)
- Atterberg limits determination (ASTM D4318)
- Compressive strength determination (ASTM D2166/D2850)
- Consolidation test with rebound (ASTM D2435)
- Specific gravity (ASTM D792)
- QA/QC of laboratory data - Performed by Justin Ator
- Laboratory summary of results - Checked by Venu Tammineni, Gregory Mattson, and Ryan Williamson

Team Members Involved:

Venu Tammineni, Gregory Mattson, Ryan Williamson, Justin Ator



17. FIRM EXPERIENCE:

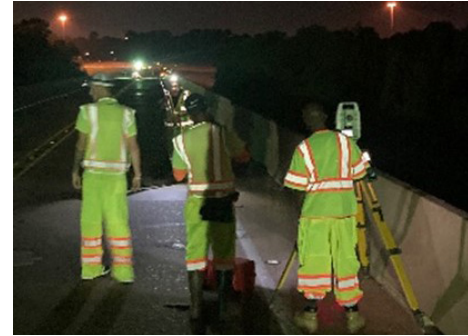
Firm Name	NTB Associates, Inc.		
Project Name	Jimmie Davis Bridge (LA 511) Design-Build	Past Performance Evaluation Category(ies)*	
		Firm Responsibility	Subconsultant
Project Number	H.001779	Owner's Name	James Construction/ Huval & Associates, Inc.
Project Location	Bossier & Caddo Parishes, LA	Owners Project Manager	Aaron Dupont
Owners Address, Phone, Email	18484 E. Petroleum Drive, Baton Rouge, LA 70809 225.442.6362 adupont@prim.com		
Services Commenced by this Firm (mm/yy)	01/22	Total Consultant Contract Cost (\$1,000's)	\$1,140
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$1,140

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 Highway) 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 takeoffs** 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 plans sheets and one 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. NTBA is 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
- ✓ Right-of-Way Maps
- ✓ SUE Services
- ✓ SUE & Utility Relocation



Team Members Involved:

Paul Rossini, Mike King, Grant Gilleon, Bryan Bunch, Patrick Staiano, John King

17. FIRM EXPERIENCE:

Firm Name	NTB Associates, Inc.		
Project Name	Rural Bridge Replacement Initiative Phase II	Past Performance Evaluation Category(ies)*	Other (SUE), Right-of-Way, Survey
		Firm Responsibility	Prime
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)	04/21	Total Consultant Contract Cost (\$1,000's)	\$1,251.7
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$1,251.7

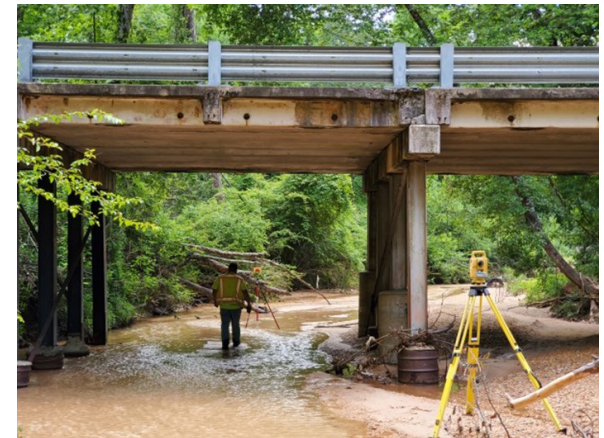
Project Description:

NTBA is performing GPS Control surveys, **topographic surveys, property surveys, title take-offs, legal description preparation, preliminary and final right-of-way 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 **right-of-way** 800 feet either side of structure. **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 right-of-way requirements as well as production of property survey submittal, preliminary and final right-of-way 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
- ✓ Right-of-Way Maps
- ✓ SUE Services



Team Members Involved:

Bryan Bunch, Grant Gilleon, Mike King, Patrick Staiano



17. FIRM EXPERIENCE:

Firm Name	NTB Associates, Inc.		
Project Name	I-10: LA 415 to Essen Lane on I-10 and I-12	Past Performance Evaluation Category(ies)*	Other (SUE), Survey
		Firm Responsibility	
Project Number	44-12323, 44-17713, 44-14660 - Multiple TOs	Owner's Name	LADOTD
Project Location	West & East Baton Rouge Parishes, LA	Owners Project Manager	Nicholas J. Olivier, PE
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1133 nicholas.olivier@la.gov	
Services Commenced by this Firm (mm/yy)	12/17	Total Consultant Contract Cost (\$1,000's)	\$8,743
Services Completed by this Firm (mm/yy)	09/24	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$5,375

Project Description:

This project began in 2017 and has continued throughout the years under separate **LADOTD** Task Orders for additional work. NTBA is currently performing **topographic surveys** near the I-10 and I-110 interchange for three additional areas. NTBA has performed Static GPS control surveys, **topographic surveying services**, HDS 3D Terrestrial Laser Scanning, and subsurface utility engineering services throughout the approximately 11 miles of the project corridor of I-10 and approximately two miles of the project corridor of I-12 in West Baton Rouge and East Baton Rouge Parishes, including all surface streets and drainage ways within and surrounding the project corridor. NTBA was the prime consultant and in direct supervision and control of seven sub-consultants with multiple project milestones.

Topographic surveying utilized conventional surveying, Static/ RTK GPS, and HDS 3D Terrestrial Laser Scanning methods of data collection. The project also included several lane closures of the interstate which were all accomplished by NTBA staff, and most were completed at night.

NTBA also developed surface models from LiDAR data obtained from our survey crews as well as those of the three other sub-consultants. This involved much coordination with the sub-consultants to ensure that the surfaces were seamless at the transitions between the different surveys.

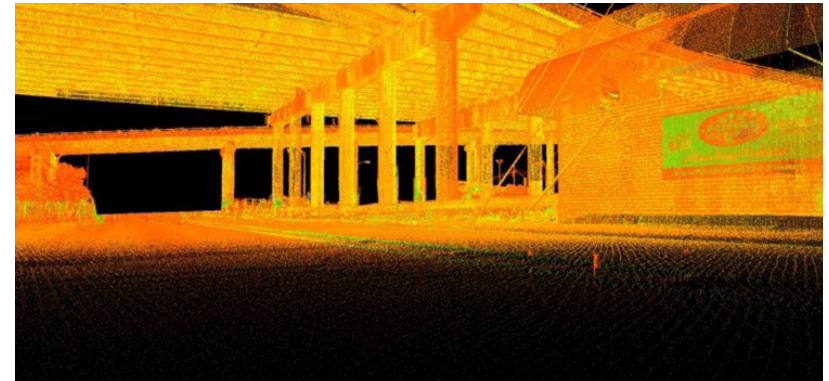
NTBA performed QL B, C, and D utility designating services as part of this project. NTBA provided designating crews and provided coordination between two other SUE sub-consultants. As the prime and

because of the extensive scope of this project, the project was split into multiple sections with each of the three SUE firms receiving their own sections with differing submittal deadlines.

Drawings with aerials and MicroStation files were provided as the deliverable. This project is being completed in accordance with the most current edition of the Location and Survey Manual and all currently accepted Location and Survey Automation procedures.

Project Relevance:

- ✓ Topographic Survey
- ✓ SUE Services



Team Members Involved:

Bryan Bunch, Grant Gilleon, Mike King

17. FIRM EXPERIENCE:

Firm Name	Vectura Consulting Services, LLC				
Project Name	I-10 ITS Scott to Lake Charles	Past Performance Evaluation Category(ies)*		Traffic	
		Firm Responsibility	Subconsultant		
Project Number	H.013256.5	Owner's Name	LADOTD		
Project Location	I-10 (District 07)	Owners Project Manager	Roy Esteven, PE		
Owners Address, Phone, Email		1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.2527 Roy.Esteven@LA.gov			
Services Commenced by this Firm (mm/yy)	01/21	Total Consultant Contract Cost (\$1,000's)		Unknown	
Services Completed by this Firm (mm/yy)	03/21	Cost of Consultant Services Provided by this Firm (\$1,000's)		\$20.162	

Project Description:

Vectura performed a **Level 2 Traffic Management Plan (TMP)** for the construction of ITS equipment along I-10. The plan included the following activities:

- 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)

Applicable for this project (Required (✓))	Level 2 TMP Components	Stage 0	Stage 1	Stage 3		Workflow Notes
				Preliminary	Final	
				60% Submittal	90% Submittal	
	Analysis			Percent Complete		
	• Detour Analysis	100%				①
	• Queue Analysis according to EDSMVI.1.1.4	100%				①
	Documentation			Percent Complete		
✓	• TTC Details			50%	100%	②
	• TTC Plan (based on type and location of construction)			50%	100%	②
	• Mitigation (if the current roadway is LOS F)	60%	100%			④
	• Mitigation (if the roadway is on the Abnormal Crash Location list)	60%	100%			④
	• Evacuation Strategy (if used as an evacuation route)	100%				④
	• Work Restrictions	20%	50%	70%	100%	④
✓	• Basic Public Information release at the District level			60%	100%	⑧

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	Belle Chasse Bridge and Tunnel Replacement PPP	Past Performance Evaluation Category(ies)*	Traffic
		Firm Responsibility	Subconsultant
Project Number	H.004791	Owner's Name	LADOTD
Project Location	Belle Chasse, LA	Owners Project Manager	Nicholas Olivier, PE
Owners Address, Phone, Email	1201 Capitol Access Road, Baton Rouge, LA 70802 225.379.1133 Nicholas.olivier@la.gov		
Services Commenced by this Firm (mm/yy)	04/19	Total Consultant Contract Cost (\$1,000's)	Unknown
Services Completed by this Firm (mm/yy)	Ongoing	Cost of Consultant Services Provided by this Firm (\$1,000's)	\$211.89

Project Description:

Vectura is providing the **traffic engineering services** for the Belle Chasse Bridge and Tunnel Replacement Project for improvements along LA 23. Vectura is responsible for the following tasks:

- Preliminary and final traffic studies
- **Temporary and final traffic signal plans**
- **Assist the Prime with Traffic Management Plan (TMP)**
- Response to request for information (RFI's)
- As-built plans for the traffic signals

Project Relevance:

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



Team Members Involved:

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

17. FIRM EXPERIENCE:

Firm Name	Vectura Consulting Services, LLC				
Project Name	I-20: LA 544 Overpass Replacement	Past Performance Evaluation Category(ies)*		Traffic	
		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)



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:

THE WAGGONER TEAM

Having a trusted consultant with DOTD experience readily accessible can make all the difference for your project's success. Waggoner has partnered with Adaptive Management Engineering, LLC (AME), Vectura Consulting Services, LLC (Vectura), and NTB Associates, Inc. (NTBA) to form a team with a proven track record of successful project delivery. The Waggoner team members have a history of working together and are fully committed to delivering quality services needed for this project. Both AME and Vectura are disadvantaged business enterprise (DBE) firms with relevant project experience.

Our project manager, Robert Lear, PE, LSI, will leverage his expertise to guarantee that each task order aligns with DOTD's goals. He will do this by maintaining consistent and effective communication with the entire team throughout the project's duration.

Quality control is crucial for project success. Waggoner employs a rigorous quality control process that will be implemented throughout the contract duration. Every submittal will be reviewed for both technical accuracy and relevant content. A copy of our quality control procedures will be submitted to DOTD upon selection.

IDIQ BACKGROUND AND UNDERSTANDING

The Waggoner team understands the value of the IDIQ Contract, enabling early engagement and design services for time-sensitive projects. We are familiar with the types of projects that may be assigned, such as intersection improvements, road and shoulder widening, drainage improvements, turn lanes, roundabouts, pavement rehab, guardrails, and signalization. **The Waggoner team has successfully delivered projects to DOTD, covering all services listed in Attachment A of the advertisement.** Additionally, Waggoner (formerly Sigma) held multiple IDIQ/retainer contracts for various DOTD programs including Roadway Projects (44-2747), Roadway Design Services (44-19010), Highway Safety (44-2710), SUE Services (44-19183 and 44-25512), and Bridge Preservation (44-0634). **Notably, we have successfully worked on numerous DOTD projects in Districts 03 and 07, including several roundabouts, J-Turns, and three (3) Interstate Widening projects along I-10 between I-49 and the Atchafalaya Floodway Bridge. Our prior work with District personnel on roadway and pavement projects has provided our team with valuable insight and a clear understanding of the preferences and specific considerations that will be expected for task orders under this contract.**

Waggoner appreciates the contracting elements in the advertisement, including the secondary selection process as outlined in Attachment C. Our goal is to provide DOTD with an experienced engineering team capable of delivering all services under this IDIQ, including:

- Topographic surveys, property surveys, ROW maps, and title takeoffs
- Preliminary and final roadway, drainage, and bridge plans
- Geotechnical exploration and testing
- Hydraulic analysis and design
- Suggested sequence of construction/maintenance of traffic plans
- Pay items, quantities, specifications, and construction cost estimates
- Permit drawings
- Construction proposal services and construction support

APPROACH AND KEYS TO SUCCESS

Waggoner's approach to this IDIQ contract comes from experience with DOTD projects and emphasizes strong communication, collaboration, and partnership. We believe the following elements are key to successfully delivering these projects:

Assemble a Highly Qualified and Experienced Design Team: The Waggoner team members have a long-standing history of successfully delivering DOTD projects. In addition, we have a history of successful collaboration.

Swift Execution of Task Orders: Our team will coordinate closely with the DOTD 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 is essential for success. We will actively engage with all stakeholders, including the DOTD District, permitting agencies, utilities, and railroads, to understand and address their expectations. The Waggoner team is committed to meeting or exceeding these expectations during task order negotiations, scoping, and schedule development. We will document these discussions and apply them consistently throughout 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. All submittal reviews, comments, and decisions will be documented. Waggoner has adopted DOTD'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: The Waggoner team's project manager, Robert Lear, PE, LSI, will actively work 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 TO, 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 DOTD upon selection.

METHODOLOGY

The DOTD project delivery manual (PDM) will serve as the backbone for our methodology. The Waggoner team will implement the systematic plan and principles identified in the PDM and will supplement these methodologies with procedures and directives outlined in the DOTD Road Design Manual, Hydraulics Manual, and relevant minimum design guidelines.

The following outline of services highlights the project development process Waggoner will follow for a typical task order issued under this IDIQ contract, altered as appropriate for tasks that deviate from this standard.

TASK ORDER INITIATION

Scope and Task Development: Immediately after task order assignment, Waggoner will work with the DOTD project manager (PM) to develop the scope and items necessary to deliver the project. This includes defining the project purpose and need. We will work with the project manager to develop the blank manhour spreadsheet, sheet count, and conceptual delivery schedule. Any NEPA or Stage 0 requirements will be discussed, and a Stage 0 preliminary scope and budget checklist completed. This early coordination ensures that DOTD and Waggoner are on the same page regarding project goals, deliverables, and expectations. Once these items are established, independent manhour estimates will be completed for negotiated fee determination.

Kick-Off Meeting and Work Planning: Once a Notice to Proceed is issued, Waggoner and DOTD will hold a project kickoff meeting, preferably in person. The appropriate DOTD and Waggoner team members will walk through the task order/project scope, determine the dates for milestone deliverables, and estimate DOTD review periods at each milestone. The project design criteria, Stage 0 environmental constraints, and safety concerns will also be discussed and documented. Any DOTD 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: Waggoner will conduct field visits within the project limits to better understand the site and identify potential issues 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

Patrick Staiano, PLS (NTBA) and Jace Ricard, PLS (Waggoner) lead our surveying team. They understand the processes and delivery requirements as outlined in the DOTD Location & Survey Manual (Oct. 2023) and Addendum A (March 2024).

Topographic Surveys: All surveys begin with control surveys. Horizontal and vertical precisions and control standards will meet or exceed DOTD requirements and the appropriate datums, projections, and geoids will be defined. Control sketches will be approved by DOTD prior to commencement of surveys. Data collection will utilize RTK, robotic total stations, or 3D LiDAR terrestrial scanning methods depending on terrain, to ensure proper accuracy. Digital levels are used to establish vertical control at temporary benchmarks (TBMs). The DOTD Feature Code Guide Book will be used to code all data and attributes. As part of the standard topographic survey, all drainage structures within the design limits will be surveyed for their location, type, size, and inverts. Additionally, existing roadside features like driveways, mailboxes, and above-ground utilities will be identified and inventoried.

Utility Conflict Matrices: Waggoner prepares utility conflict matrices to guide the utility coordination process. These matrices help identify conflict points, recommend appropriate locate methods, and determine the final resolution of conflicts.

Right-of-Way Maps and Title Work: Once the final alignments are established, we will begin to obtain title reports, (if not provided by DOTD), for the affected properties for inclusion in the ROW maps. We will begin the base ROW maps according to DOTD standards, with final ROW maps produced within 45 days of authorization to proceed, typically after the joint plan review (JPR) meeting. All ROW mapping, title takeoffs, title reports, and property surveying will comply with DOTD standards.

GEOTECHNICAL SERVICES

AME, a DBE geotechnical firm based in Baton Rouge, will handle all geotechnical investigations and testing for 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 DOTD 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 AME'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 PMs will be kept up to date with the project status on a regular basis. AME's Baton Rouge lab is **accredited by the Louisiana Environmental Laboratory Accreditation Program (LELAP) through the Louisiana Department of Environment Quality (LDEQ).**

ROADWAY DESIGN AND HYDRAULIC ENGINEERING SERVICES

Alex Farr, PE (Waggoner) will lead our roadway design and hydraulic engineering team and will be involved in projects requiring these services.

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

Project Design Criteria: The DOTD minimum design guidelines for the applicable functional classification will serve as the basis for all anticipated pavement projects. Waggoner 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. It is anticipated that design waivers and exceptions will often be needed on projects where work is contained within existing right-of-way. **Waggoner has extensive experience in developing design waivers and exceptions for DOTD projects.**

Roadway Design: We utilize MicroStation, InRoads/ OpenRoads, and CAD Conform to design and create roadway plans and calculations. We know DOTD's preliminary and final plan delivery requirements and milestones as shown in the Road Design Manual. The DOTD Road Design Manual, AASHTO Green Book 2018, Roadside Design Guide, DOTD Hydraulics Manual and accepted DOTD 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 DOTD to most effectively deliver the scope of the project, including letter sized plans, when appropriate.

Our team will develop any sketches or exhibits necessary to assist in obtaining required permits(s). Our team has experience preparing storm water pollution prevention plans (SWPPP) adhering to the guidelines of the National Pollution Discharge Elimination System (NPDES) general permit.

PLAN DEVELOPMENT AND LETTING SUPPORT SERVICES

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

DOTD 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. We will request removing the 30% Preliminary Plan milestone and combining with the 60% PP milestone to save time on the project delivery. All submittals will include plans and associated calculations.

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. We recommend eliminating this submittal and incorporating this information into the 60% PP submittal where compressed schedules are necessary.
 - ✓ **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.
 - ✓ **95% PP (Plan-In-Hand)** – Address all comments from previous submittals, review for constructability, finalize required ROW, and complete preliminary QA/QC checklist.
 - ✓ **100% PP** – Address comments from the plan-in-hand meeting, finalize property survey and base ROW maps, and create permit sketches.
- NOTE:** We will not proceed to final plans until Environmental Clearance has been obtained.
- ✓ **60% Final Plans (FP)** – Finalize typical section, drainage design, and include quantities summary tables in the plans.
 - ✓ **Joint Plan Review** – Meet with location survey, finalize ROW maps.
 - ✓ **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 pavement preservation 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 DOTD.
 - ✓ **100% FP** – Complete all final plans, specifications, and estimates, transmit plans to general files, and set the letting date.

Letting Support Services: Once the project has been advertised for bids, our team will be on hand to 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. Waggoner understands 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

The preparation of opinions of probable construction costs (OPCC) will be prepared under each task order for each project, beginning at the 90% PP and updates with every subsequent submittal. The Waggoner team's design professionals have extensive experience in the DOTD Purple Book, pay item list, special provisions, and developing specifications for non-standard items. The team also has experience with and understand the requirements for breaking down quantities by construction funding sources and control sections when project limits extend across control sections and/or parish lines.

CONSTRUCTION RELATED ENGINEERING SERVICES

Our team will remain involved with the project into the construction stage. This includes working with the DOTD PM, 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 SCHEDULE

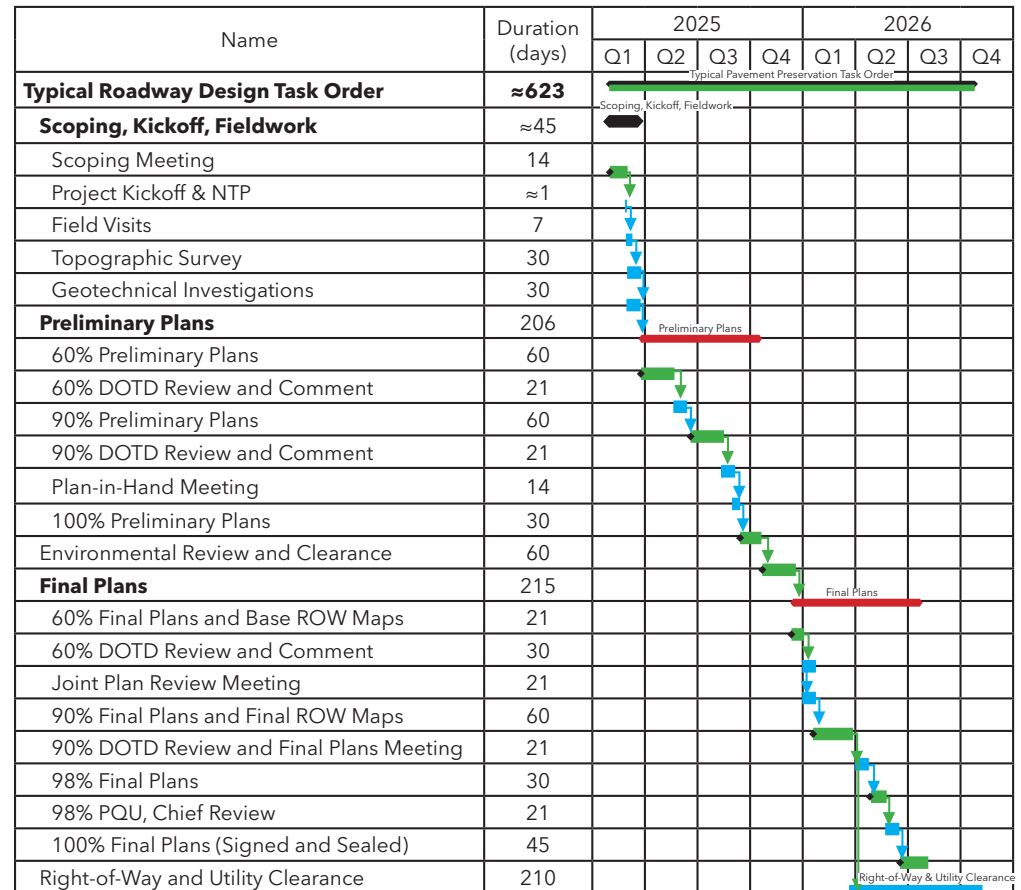
Waggoner has worked on numerous DOTD projects and understands the delivery and production processes for this type of project. This allows our team to "hit the ground running" and accelerates the project initiation phase, which is a large part of the work effort. We have prepared a sample project schedule representing a typical TO under this contract, highlighting the major milestones and deliverables. **(see sample to the right)**

ADDITIONAL SERVICES

TRAFFIC ENGINEERING AND DESIGN SERVICES

While it is not anticipated that robust traffic engineering services will be required under this contract, Vectura can offer the following services, should the need become necessary for Transportation Systems Management (TSM) implementations.

- Traffic Data Collection
- Traffic Modeling and Analysis
- Traffic Control Analysis
- Intersection Control, Signing, and Pavement Marking Design
- Transportation Management Plans





Sections 19-23

19. WORKLOAD:

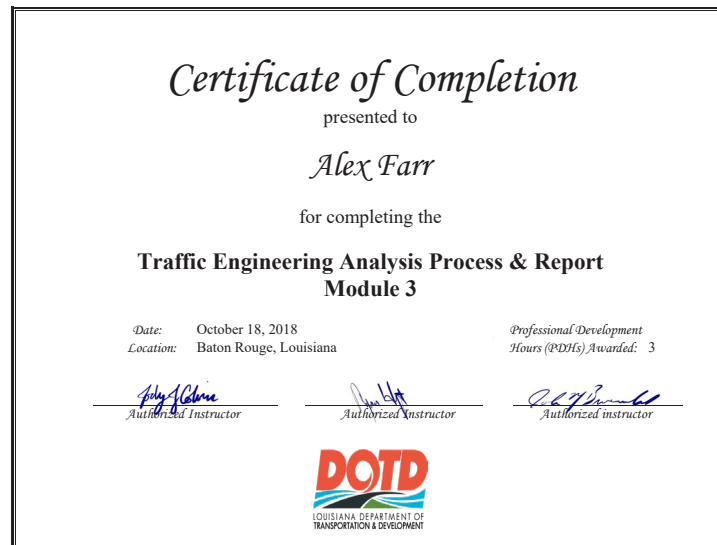
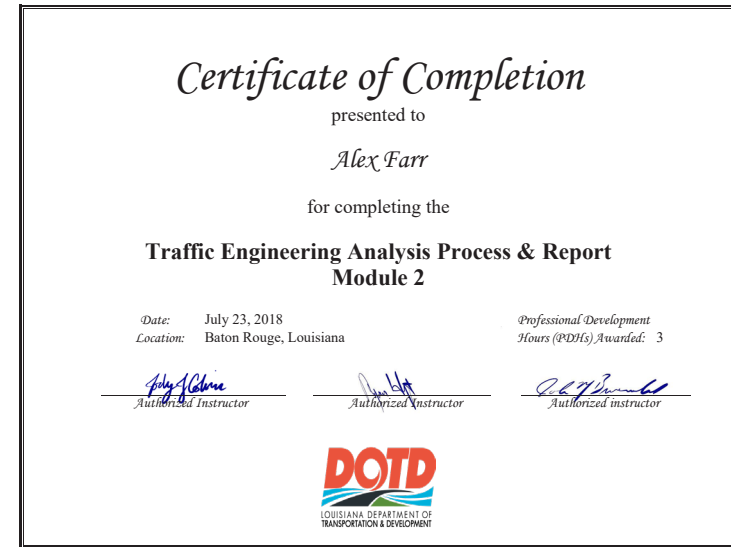
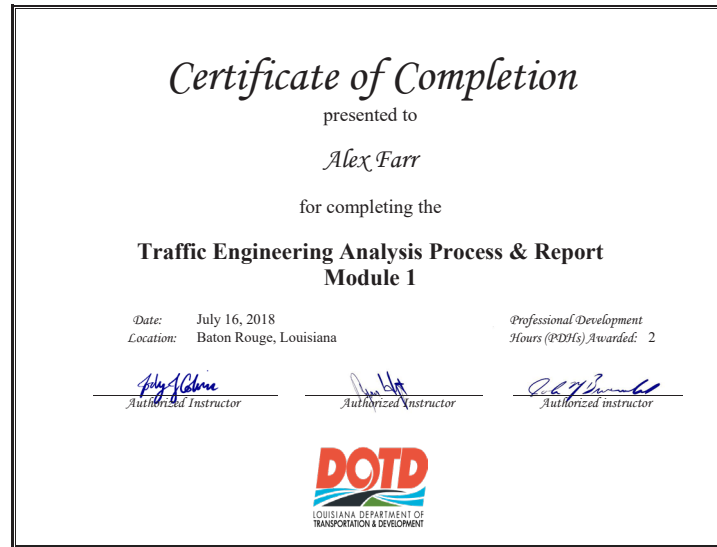
Firm(s) ALL FIRMS MUST BE REPRESENTED IN THIS TABLE	Past Performance Evaluation Discipline(s)	Contract Number and State Project Number	Project Name	Remaining Unpaid Balance
 WAGGONER FORMERLY SIGMA CONSULTING GROUP	Road	44-19379, H.013797	LA 30: EBR PL - I-10 (Environmental Assessment)	\$86,020
		116194	LA 73: US 61 (Airline) - Essen Lane	N/A
		44-19010, H.010116	LA 1088: Soult and Trinity Roundabouts	\$116,194
		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	\$2,817,947
		44-24084, H.009300	CMAR Contract for Hooper Road Widening (LA 3034 - LA 37)	N/A
		4400004666, H.002868	Ambassador Caffery & US 90 Interchange Construction Support	N/A
	Right-of-Way	4400025041	IIJA Off-System Bridge Program, District 62 (7 Project #'s)	\$1,0407
		4400025041	IIJA Off-System Bridge Program, District 62 (6 Project #'s)	\$49,215
	Other (SUE)	4400019183, H.014375	US 190W Roundabouts, Slidell, Utility Coordination-SUE (on-hold)	\$67,559
		4400019183, H.001711	Saline Bayou Relief & Mill Cr. Brs. - Water Lines Locate & Design (SUE)	\$16,018
 ADAPTIVE MANAGEMENT AND ENGINEERING	Geotech	4400006188, H.014416	LA 3125 at LA 3274 Roundabout	\$5,407
		4400006188, H.014981	Hosston Road Over Kelly Bayou	\$9,680
		4400006188, H.014989	Neff Lane Over Wind Creek	\$5,407
 NTBA SURVEY. DESIGN. BUILD. SUCCEED.	Survey	4400019338	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	\$2,078
	Right-of-Way	Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 05, 08, & 58 (Sub to Waggoner)	\$73,706
	Right-of-Way	4400019337 Multiple SP Nos. per bridge	Contract for Rural Bridge Replacement Initiative Phase II, Districts 02, 03, 07, 61, & 62 (Sub to BKI)	\$90,105
	Survey	4400017067 LWI Task Order 3	Louisiana Watershed Initiative (LWI) Modeling Contract - Region 1 (Sub to Atkins)	\$3,481
	Survey	4400027686 H.008768.5	IDIQ Contract for Hydrographic Surveying Services - Task Order No. 1 - Fall Bridges	\$92,403
	Right-of-Way	4400025041 Multiple SP Nos. per bridge	Infrastructure Investment and Jobs Act (IIJA) Off-System Bridge Program	\$11,806
	Other (SUE)	4400026587 H.001779	Jimmie Davis Bridge (LA 511) (HBI) Design Build Project, Bossier Parish (Sub to James Construction/ Huval & Associates, Inc.)	\$118,750
	Survey	4400017713 H.004100.5	IDIQ Contract for Professional Surveying Services - Task Order 12 - I-10: LA 415 to Essen on I-10 & I-12	\$218,421



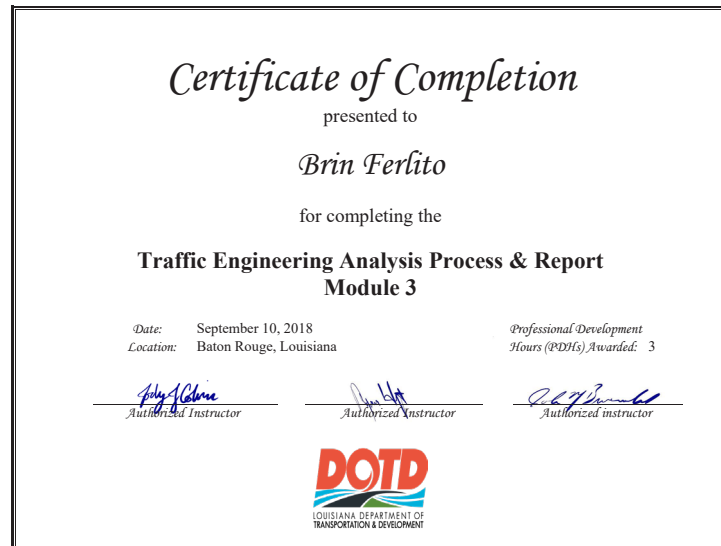
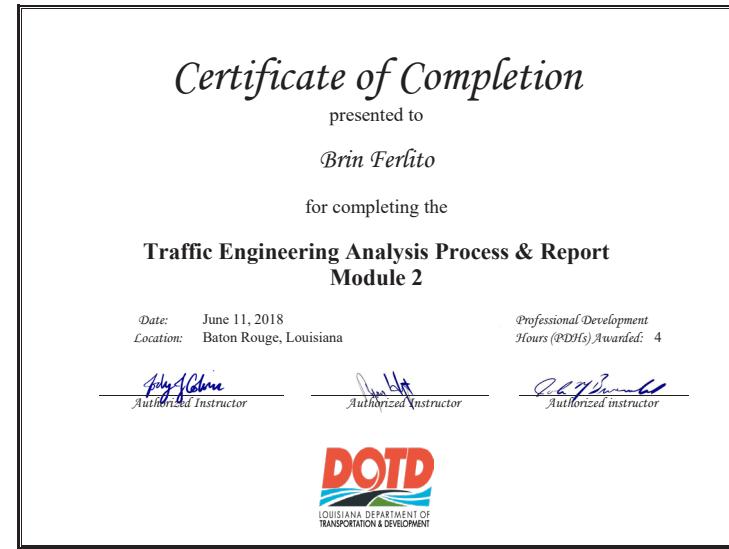
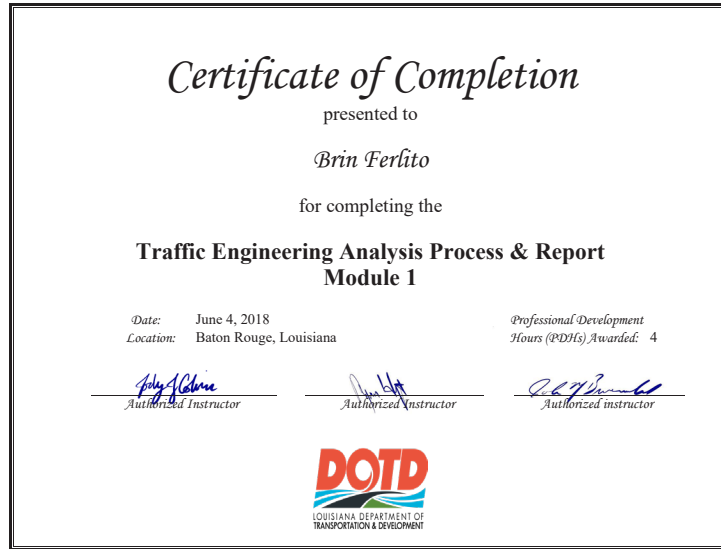
Traffic

4400017293 H.010616	I-20: LA 544 Overpass Replacement	\$74,429
4400005484 H.005168.2	New Orleans Rail Gateway Avondale EA	\$71,398
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
4400018271 H.014746.5	LA 383 Stage 0 Corridor Study	\$20,146
4400025299 H.013421.5	Dist. 02 Flashing Yellow Arrow Part 2	\$360,988
4400025299 H.01564.5	LA 47 Hayne Blvd Safety Improvements	\$57,042

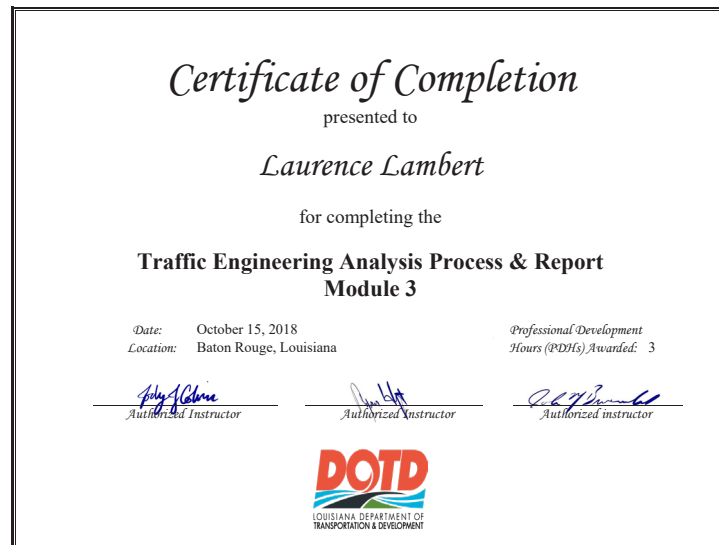
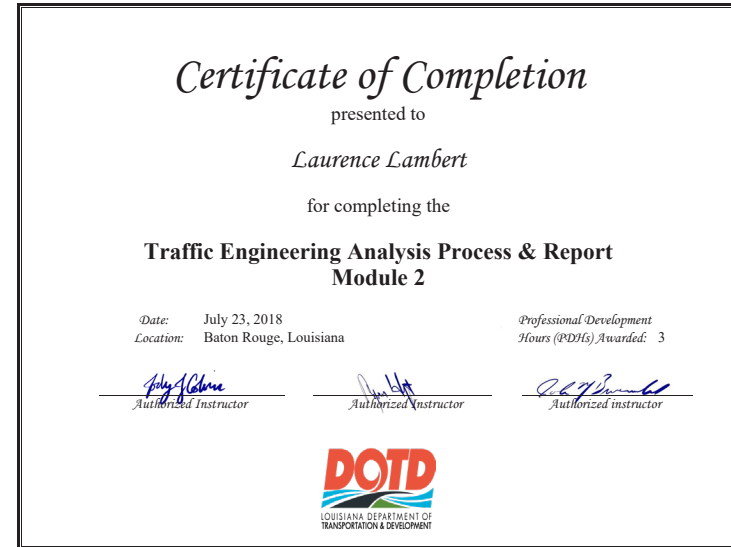
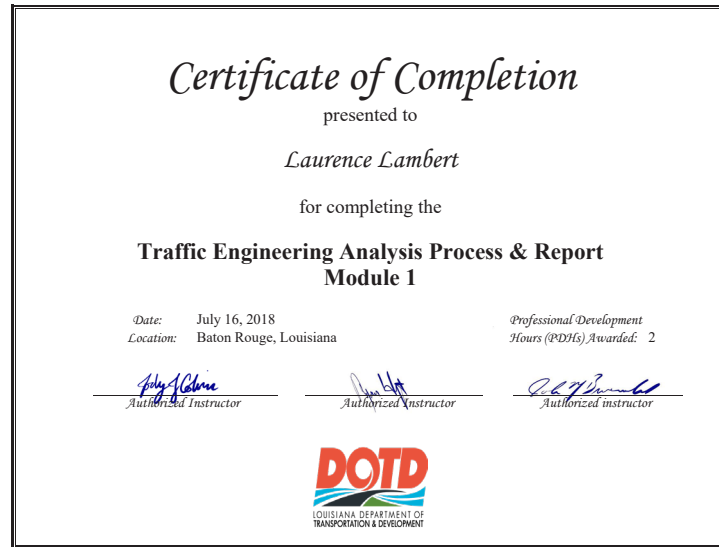
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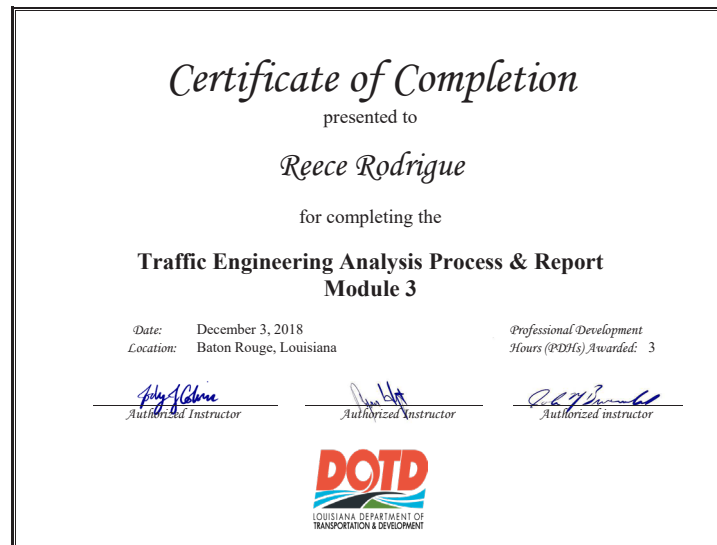
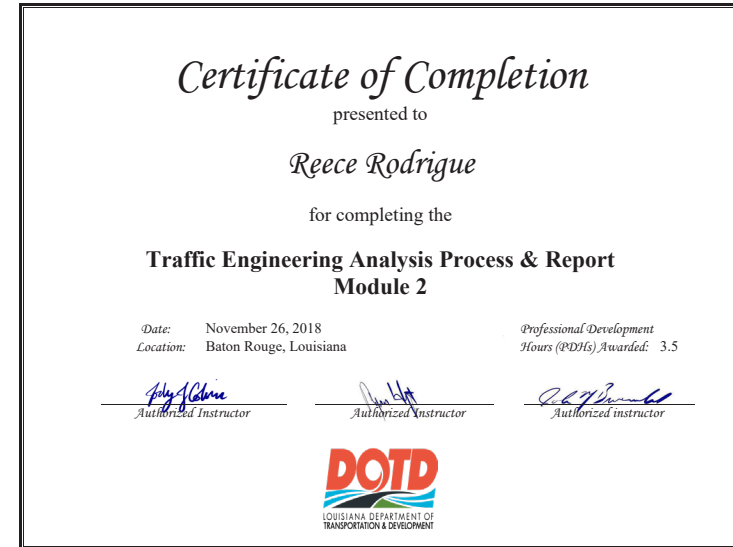
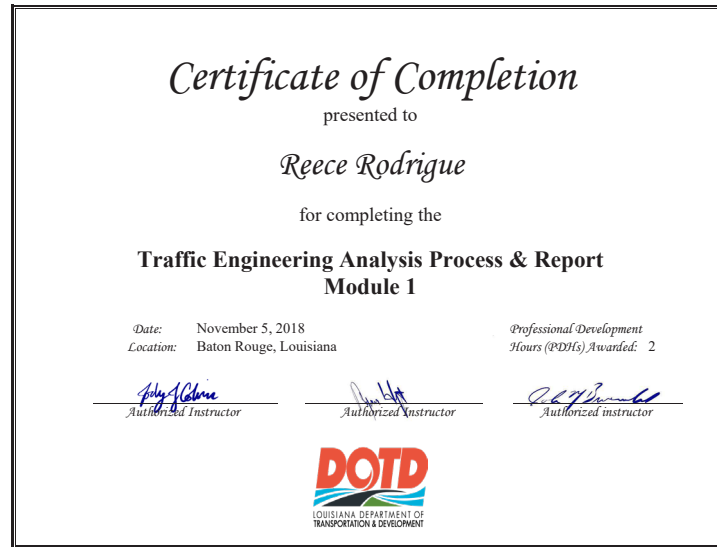
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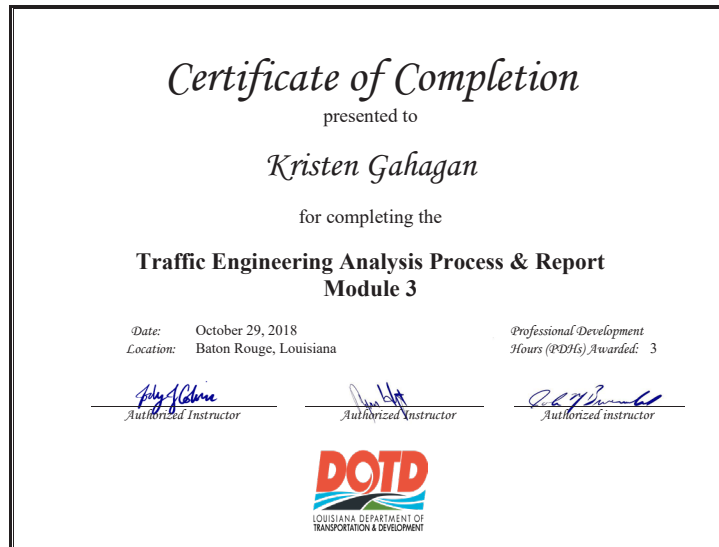
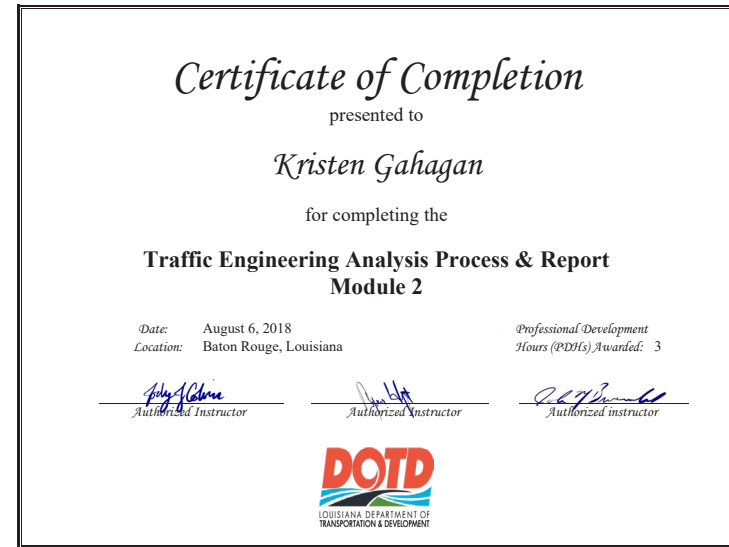
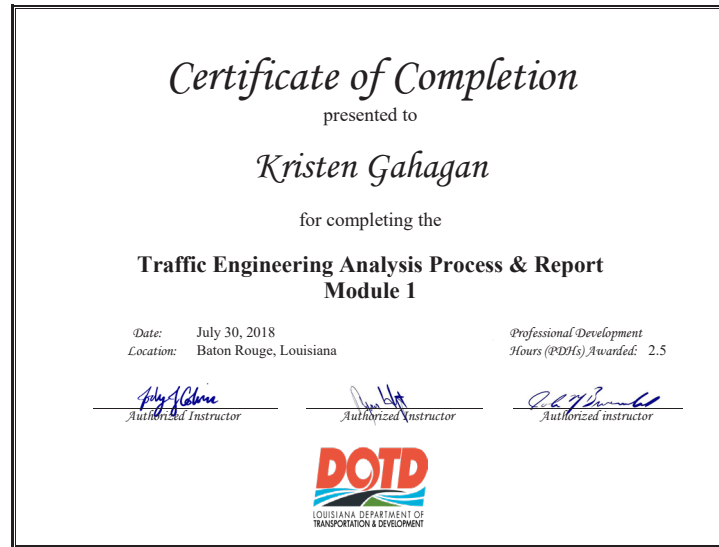
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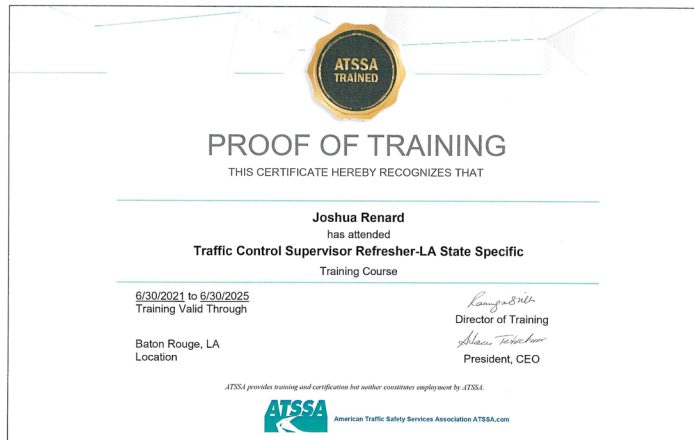
20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:

ATSSA American Traffic Safety Services Association
SAFER ROADS SAVE LIVES

This is to affirm that

RYAN WILLIAMSON

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 10/20/2023 Instructor Name Debbie Purcella

Exp. Date 10/20/2027 State Issued LA

Debbie Purcella
Instructor Signature

V0000278283 Verify at Flagger.com

 Office of Conservation | Department of Energy and Natural Resources
STATE OF LOUISIANA

WATER WELL CONTRACTOR'S LICENSE

The Office of Conservation
for the Department of Energy and Natural Resources
State of Louisiana

hereby acknowledges that

ADAPTIVE MANAGEMENT ENGINEERING

Michael McKinney

has been licensed to drill monitoring wells under the provisions of R.S. 38:3098
and is entitled to practice in the state of Louisiana as a Water Well Contractor.

This License is non-transferable and expires June 30, 2025 unless
renewed, revoked or suspended by the licensing authority as prescribed by statute.

Signed and sealed this 28th day of June, 2024

Benjamin C. Bienvenu
BENJAMIN C. BIENVENU
COMMISSIONER OF CONSERVATION
Office of Conservation
Louisiana Department of Energy and Natural Resources

License No. WWC- # 867

Certificate of Training

this certifies that

Jace Ricard

has successfully completed the training
program requirements for

ATSSA Online Flagger Certification Training Course

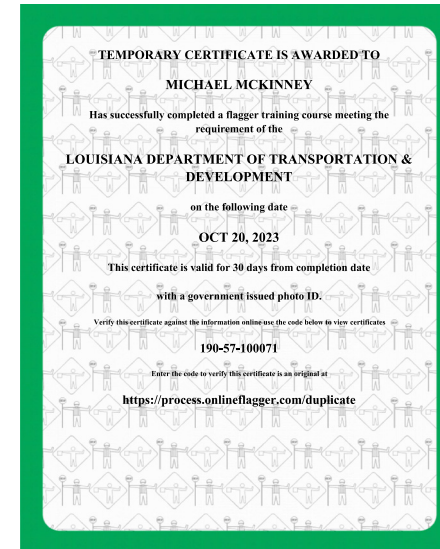
Awarded on this 1st day of April 2021



20. CERTIFICATIONS/LICENSES:



20. CERTIFICATIONS/LICENSES:



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: 34954511P			
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			
409 LAUREL STREET, 8TH FLOOR BATON ROUGE, LA 70801			
Principal Business Establishment in Louisiana			
409 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)			



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			



COMMERCIAL DIVISION 225.925.4704

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

Name	Type	City	Status
ADAPTIVE MANAGEMENT AND ENGINEERING, LLC	Limited Liability Company	BATON ROUGE	Active
Previous Names			
Business: ADAPTIVE MANAGEMENT AND ENGINEERING, LLC			
Charter Number: 43004366			
Registration Date: 9/13/2019			
Domicile Address			
11429 PENNYWOOD AVENUE BATON ROUGE, LA 70809			
Mailing Address			
6664 ANTIOCH CROSSING BATON ROUGE, LA 70817			
Status			
Status: Active			
Annual Report Status: Not In Good Standing for failure to file Annual Report			
File Date: 9/13/2019			
Last Report Filed: 2/14/2024			
Type: Limited Liability Company			



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			

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. SUBCONSULTANT INFORMATION:

Firm Name (Name must match exactly as registered with Louisiana's Secretary of State (SOS): including punctuation, include screenshot(s) from SOS at the end of Section 20)	Address	Point of contact and Email Address	Phone Number
Adaptive Management and Engineering, LLC	11429 Pennywood Avenue Baton Rouge, LA 70809	Venu Tammineni Principal venut@amesouth.com	225.424.7869
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.

