

# CONTRACT FOR BAYOU BLUE (LA 316) SIDEWALKS

CONTRACT NO. 4400023783  
STATE PROJECT NO. H.013453  
F.A.P. NO. H013453  
ROUTE: LA 316  
TERREBONNE PARISH

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**Submitted to**

Louisiana Department of Transportation and Development

**Submitted by**

Royal Engineers and Consultants, LLC

**Date**

April 6, 2022

## COVER LETTER

April 6, 2022

Department of Transportation and Development  
Attn.: Darlene Major, Consultant Contract Services Administrator  
1201 Capitol Access Road, Room 405-E  
Baton Rouge, LA 70802-4438

RE: CONTRACT NO. 4400023783  
CONTRACT FOR BAYOU BLUE (LA 316) SIDEWALKS  
STATE PROJECT NO. H.013453  
F.A.P. NO. H013453  
ROUTE: LA 316  
TERREBONNE PARISH

Dear Consultant Selection Committee,

Royal Engineers and Consultants, L.L.C. (Royal) respectfully requests your review and consideration of the enclosed proposal prepared in response to the Department's advertisement for Engineering and Related Services for Bayou Blue (LA 316) Sidewalks. Since 2005, Royal has delivered multi-discipline professional design, engineering, and construction and program management for industry, government, and the private sector across the Gulf Coast and is fully licensed, bonded, and insured to do so. Additionally, Royal has provided construction engineering for complex roadway programs across Louisiana, totaling more than \$500 million.

Royal is headquartered in New Orleans with offices throughout coastal Louisiana. We have strategically partnered with T. Baker Smith for this proposal. Several members in each firm included in this proposal have a successful history of working together to deliver projects. Through our carefully selected team of professionals, we are committed to providing the Department and Terrebonne Parish the full suite of design and construction support services required and are confident we will surpass expectations.

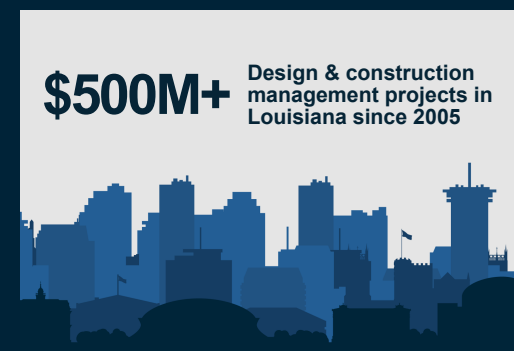
Royal's proposed team meets or exceeds the specified minimum requirements and is organized to meet the needed services described in Attachment A of the advertisement. The Royal Team's statement of qualifications contained herein is submitted in direct response to the referenced advertisement. It highlights our relevant experience and expertise and articulates our unique capabilities to perform needed services in a timely and professional manner within budget.

We appreciate the opportunity to respond and look forward to working with the Department and Terrebonne Parish. Please direct communication related to the advertisement to our Primary Point of Contact, Michael Pugh, by phone at (504) 283-9400 or via email at [mpugh@royalengineering.net](mailto:mpugh@royalengineering.net).

Sincerely,



Michael Pugh, P.E.  
President  
ROYAL ENGINEERS AND CONSULTANTS, LLC



**STANDARD FORM: 24-102**

# DOTD FORM: 24-102


(Revised March 1, 2022)

## PROPOSAL TO PROVIDE CONSULTANT SERVICES

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

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

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

1. Contract title as shown in the advertisement	CONTRACT FOR BAYOU BLUE (LA 316) SIDEWALKS
2. Contract number(s) as shown in the advertisement	4400023783
3. State Project Number(s), if shown in the advertisement	H.013453
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	Royal Engineers and Consultants, LLC 
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0003328
6. Prime consultant mailing address	4298 Elysian Fields Ave, Suite B New Orleans, Louisiana 70122
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	4298 Elysian Fields Ave, Suite B New Orleans, Louisiana 70122
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Michael Pugh, P.E., President 504-283-9400 mpugh@royalengineering.net
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Michael Pugh, P.E., President 504-283-9400 mpugh@royalengineering.net

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. LADOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.

Signature: \_\_\_\_\_



Date: April 5, 2022

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

Firm(s):  
N/A

Firm(s)' %:  
N/A

12. Past Performance Evaluation Discipline Table:

Evaluation Discipline(s)	% of Overall Contract	Royal (Prime)	T. Baker Smith	Each Discipline Must Total to 100%
Other (Sidewalk)	70%	100%	0%	100%
Survey	30%	0%	100%	100%
Identify the percentage of work for the <b>overall contract</b> to be performed by the prime consultant and each sub-consultant.				
Percent of Contract	100%	70%	30%	100%

13. Firm Size:

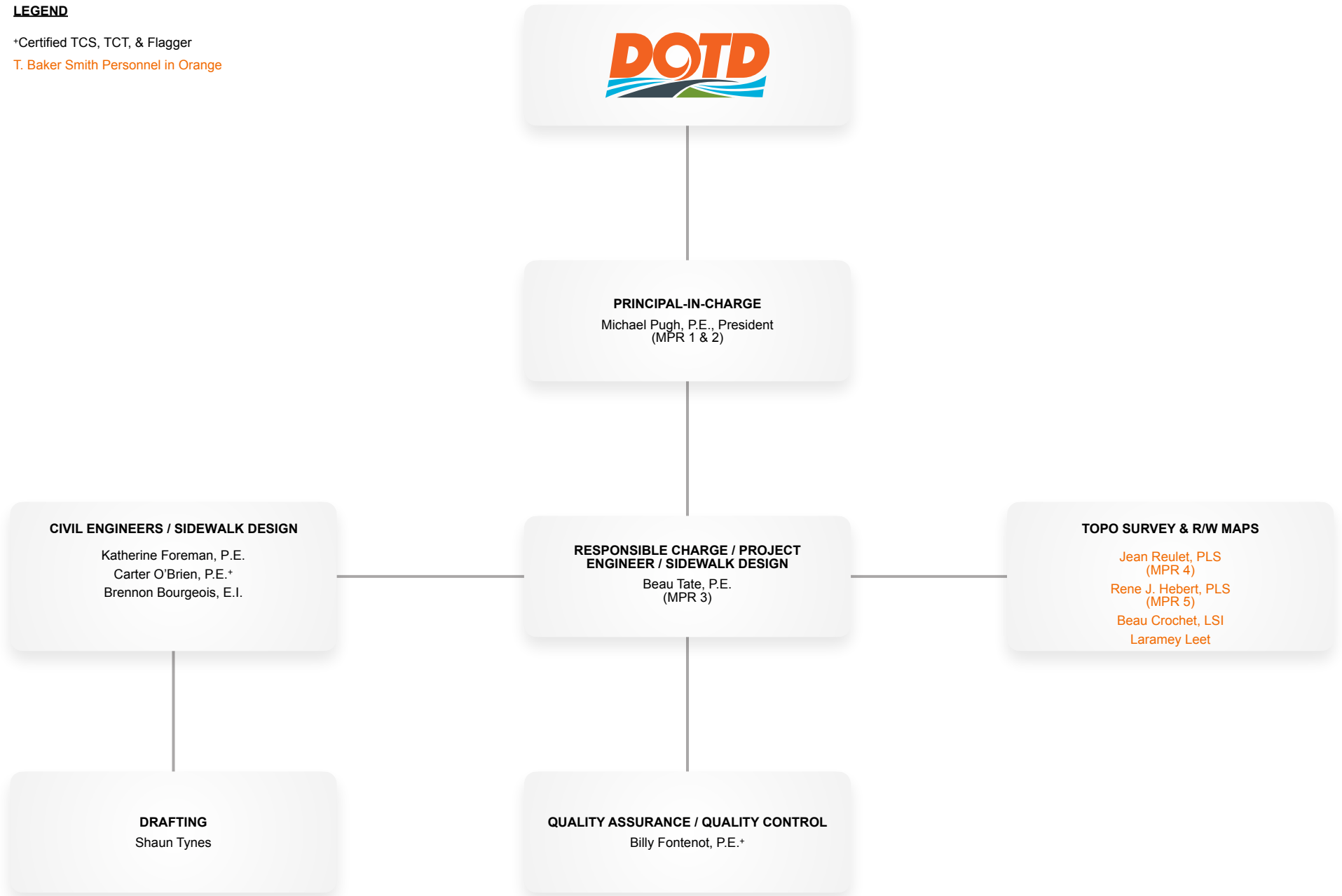
Firm Name	LADOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this LADOTD Job Classification (if needed)
Royal Engineers and Consultants, LLC	Drafter	1	3
	Supervisor ENG	2	3
	Engineer	2	7
	Engineer Intern	1	3
	Principal	1	4
T. Baker Smith, LLC	Supervisor ENG	0	3
	Supervisor - Other	1	20
	Engineer	0	18
	Surveyor	2	12
	Senior Technician	0	13
	Party Chief	1	20

## 14. Organizational Chart:

### LEGEND

+Certified TCS, TCT, & Flagger


T. Baker Smith Personnel in Orange



15. Minimum Personnel Requirements:

<b>MPR No.</b> Do not insert wording from ad	<b>Personnel being used to meet the MPR</b> (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	<b>Firm employed by</b>	<b>Type of license/ certification &amp; number</b>	<b>State of license</b>	<b>License/certification expiration date</b>
1	Michael Pugh, P.E.	Royal	Professional Engineer / 30911	LA	3-31-2024
2	Michael Pugh, P.E.	Royal	Professional Engineer / 30911	LA	3-31-2024
3	Beau Tate, P.E.	Royal	Professional Engineer / 30990	LA	3-31-2024
4	Jean Reulet, PLS	T. Baker Smith	Survey / 5145	LA	3-31-2024
5	Rene Hebert, PLS	T. Baker Smith	Survey / 5070	LA	3-31-2024


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Michael Pugh, P.E.	Years of relevant experience with this employer	16	
Title	President	Years of relevant experience with other employer(s)	11	
Degree(s) / Years / Specialization			BS / 1997 / Civil Engineering	
Active registration number / state / expiration date			30911 / LA / 3-31-2024	
Year registered	2003	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Principal (MPR 1 & 2)	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
25+ years of experience	Mr. Pugh has over 20 years of experience in design and construction management of roadway and drainage systems. He started up and managed the St. Bernard Parish Roadway Restoration Program which has included the design, bidding, and construction management of 178 roadways with a construction value of nearly \$60M. He is a Registered Professional Engineer in 8 states, including Louisiana.			
02/15 - Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> Principal-in-charge and stamping design engineer for the Royal team contracted by St. Bernard Parish Government (SBPG) to provide Engineering Services for repairs, restorations and/or replacement of Parish owned roadway and canal crossings to their Pre-Katrina condition while preserving the historical value and intent of each facility and Engineering Services for replacement of 6 existing culverts with precast Con-Span structures. The projects also include concrete road reconstruction, utility relocations, and installation of sidewalks, drainage, infrastructure, and other incidentals.			
12/15 - 11/18	<b>SITE DESIGN FOR AN ALGIERS POINT SUBDIVISION: Orleans Parish, LA.</b> Principal-in-charge and design engineer providing oversight and design management of site/civil services for the design-build project developing a home complex in the West Bank of New Orleans in Algiers Point. The project will construct 51 single family residential buildings on approximately 4.5 acres of vacant land. Mr. Pugh is overseeing civil engineering services related to the overall site development such as geotechnical, civil and structural engineering for all roadways, utility design, pavement, sidewalks, site grading, public right of way access, erosion and sediment control measures, stormwater management features, lighting, and providing services related to required permitting.			
04/19 - Ongoing	<b>EAST HARDY BRIDGE DESIGN AND REPLACEMENT: New Orleans, LA .</b> Principal Engineer on the Royal team contracted to provide Engineering services for bridge design, layout, specifications and probable cost. The existing East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Petal, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund. Mr. Pugh participated in Design Reviews and served as Civil Engineering Subject Matter Expert.			
11/19 - ongoing	<b>FEMA ROADWAY RESTORATION PROGRAM: New Orleans, LA.</b> Principal Engineer on the Royal team contracted by the Department of Public Works (DPW) to provide construction management and resident inspection services for the FEMA Roadway Restoration Program. This project includes restoration of parish concrete and asphalt roadways and associated infrastructure (i.e., sidewalks, driveways, drainage, sewer, and water) that suffered damage during Hurricane Katrina. Construction services are being performed by multiple contractors under contract by DPW and overseen by Royal. Royal is providing all construction management, data management, reporting, platform deployment, quality assurance, administration, pay applications, and closeout services.			
09/19 - 03/20	<b>MAXPAVE ROADWAY PROGRAM: New Orleans, LA.</b> Principal Engineer responsible for interagency coordination, project management, contract administration, construction management, assessment, and resident inspection services for the CNO DPW and SWBNO combined utility rehabilitation initiative, which involves 50 to 75 service cuts weekly to conduct the needed point repairs to the sewer and water infrastructure. Ongoing, on-budget contract delivery; client service management; and civil engineering and utility impacts Subject Matter Expert were Mr. Pugh's primary duties.			

16. Staff Experience:

03/07 - 10/09	<b>ROADWAY RESTORATION PROJECT: St. Bernard Parish, LA.</b> Lead Design Engineer and Project Principal responsible for engineering, design, and construction management services provided to the Parish for the restoration of all concrete and asphalt roadways, including associated infrastructure, including sidewalks, driveways, drainage, sewer, and water systems, that suffered damage during Hurricane Katrina and the recovery process. Mr. Pugh was the engineer in responsible charge for all design and served as the primary technical resource for contractor questions and challenges encountered during construction.
11/10 - 08/11	<b>BLOSKI AVENUE EXTENSION: Belle Chasse, LA.</b> Principal in Charge for this road construction project. Royal worked directly for the Naval Facilities Engineering Command Southeast as the prime contractor. This project consisted of the construction of an asphalt roadway for 1300 feet and included the construction of stormwater drainage, sidewalks, concrete driveways, and solar street lighting. Royal was also responsible for the development and maintenance of the Stormwater Pollution Prevention Plan (SWPPP), Environmental Protection Plan (EPP), Health & Safety Plan (HASP), and Accident Prevention Plan (APP).


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Beau Tate, P.E.	Years of relevant experience with this employer	13	
Title	Senior Project Engineer	Years of relevant experience with other employer(s)	9	
Degree(s) / Years / Specialization			BS   1998   Environmental Engineering Minor   1998   Civil Engineering	
Active registration number / state / expiration date			30990 / LA / 3-31-2024	
Year registered	2004	Discipline	Civil Engineering	
Contract role(s)/brief description of responsibilities			Responsible Charge/Project Manager (MPR 3)	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
22 years of experience	Mr. Tate has 22 years of experience managing and delivering civil, coastal, and environmental projects for private as well as governmental organizations. His specific civil design project experience includes but is not limited to asphalt and concrete roadway design, materials testing, concrete repairs to existing parking lots and roadways, drainage design, utility infrastructure, and design in accordance with LADOTD and AASHTO design guidelines and specifications. Mr. Tate has successfully collaborated with various local, state and federal agencies such as, DOA/FP&C, OCD-DR, LADOTD, LDEQ, GOHSEP, FEMA, USACE, and USEPA.			
08/15 - 01/22	<b>IBERIA STREET SIDEWALK AND PEDESTRIAN BRIDGE DESIGN: Youngsville, LA.</b> Senior Engineer responsible for design, bidding, and construction management services for the installation of a new sidewalk and pedestrian bridge to promote walking and bicycle traffic in the community along Iberia Street located in Youngsville. A cost analysis was performed on 3 variations of sidewalk (concrete, asphalt, and environmentally green rubberized sidewalk). Design services included a drainage analysis of the area to incorporate subsurface drainage into the system and the selected rubberized sidewalk and a pedestrian bridge. Plans and specifications were prepared in accordance with DOTD standards.			
12/17 - 02/22	<b>CAMELLIA/ SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Senior Engineer on the team providing engineering services to the Lafayette Consolidated Government for the design of a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services consist of preparing plans and specifications for construction of the project and performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Additional project features include road striping, sidewalk relocation, and street lighting.			
02/15 - Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> Design Engineer responsible for an evaluation of the hydraulic capacities of existing culvert structures located within the drainage canals of St. Bernard Parish, Louisiana. Mr. Tate assisted in performing hydraulic calculations for these structures based on the same open-channel flow principles used by software suites such as the EPA SWMM model and HEC-RAS. Mr. Tate also assisted with calculations for the appropriate sizing of replacement arched bridge structures at these locations and corresponding preliminary concept drawings.			
09/21 - 11/21	<b>TERREBONNE SHERIFF'S OFFICE TRAILER PARK: Terrebonne Parish, LA.</b> Senior Design Engineer on team providing Project Management, Design services, Construction Management, and Administrative Support Services for the set-up of a temporary housing site for employees of Terrebonne Parish Sheriff's Office in the wake of Hurricane Ida. Mr. Tate oversaw all design activities and provided technical support throughout design, permitting, and construction of the project. Activities included feasibility studies, drainage impact analysis, site layout, topographical survey, coordinating preparation of design drawings, construction scoping, environmental assessments, permitting, and agency and client coordination.			

16. Staff Experience:

08/15 - 11/21	<b>POLLY LANE EXTENSION: Lafayette, LA.</b> Project Manager and Lead Engineer providing design services for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section to Verot School Road and installation of sidewalks, street lighting, and drainage infrastructure. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to the existing roadway is 930 linear feet. Mr. Tate was responsible charge overseeing activities including hydraulic design and analysis, geometric design, and preparation of plans and specifications.
11/10 - 08/11	<b>BLOSKI AVENUE EXTENSION: Belle Chasse, LA.</b> Senior Engineer on the Royal team contracted by NAVFAC to construct a new asphalt roadway to serve personnel aboard the Naval facility. Bloski Avenue Extension brings the current existing roadway 1,300 feet across an area which was the former base golf course, to tie into Rinard Avenue.
11/16 - 02/18	<b>CITY OF YOUNGSVILLE NEW ROAD: Youngsville, LA.</b> Senior Engineer responsible for design, bidding, and construction management for a new road located in Youngsville. Design services include a drainage analysis of the area to quantify runoff and to incorporate subsurface drainage, as well as preliminary and final design submittals. Pre-construction and construction phase services include planning and coordination with the general contractor, technical review of all proposed construction material submittals, traffic engineering, and field verifications, and oversight.
06/15 - 03/17	<b>DETENTE STREET REHABILITATION: Youngsville, LA.</b> Senior Engineer responsible for design, bidding, and construction management for the rehabilitation of Detente Road located in Youngsville. An alternative analysis was performed and the design of the selected mill and overlay of asphaltic pavement (including patching) option was completed. Pre-construction and construction phase services include planning and coordination with the general contractor, technical review of all proposed construction material submittals, traffic engineering, and field verifications, and oversight.


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Katherine Foreman, P.E.	Years of relevant experience with this employer	6	
Title	Professional Engineer	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2017 / Civil Engineering	
Active registration number / state / expiration date			46031 / LA / 3-31-2024	
Year registered	2021	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Lead Design Civil Engineer	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
6 years of experience	Ms. Foreman has 6 years of experience in civil engineering design and construction management on project types including storm drainage systems, asphalt and concrete road design, sidewalks, potable water distribution systems, gravity sewer systems, flood control structures, commercial and residential site design, foundation design, and retaining walls. Her expertise includes familiarity with LADOTD design manuals and specifications, ADA requirements, and AASHTO standards and the use of various software packages for H&H design and analysis such as HEC-HMS, HEC-RAS, LADOTD HYDR programs, HY8, and Autodesk Storm and Sanitary Analysis. Ms. Foreman has significant experience preparing plans and specifications in accordance with DOTD standards.			
08/15 - 01/22	<b>IBERIA STREET SIDEWALK: Youngsville, LA.</b> Engineer Intern on team providing engineering design and construction management for the DOTD TAP-funded H.013443 Iberia Street Sidewalk, Ph 1 project in Youngsville, LA. The project consisted of installation of RCP drainage piping within the existing roadside ditches and a six-foot wide concrete sidewalk including two pedestrian bridges crossing waterways on the south side of Iberia St. from School St. to Sugar Mill Pond Subdivision, allowing for greater interconnectivity of pedestrian travel. Ms. Foreman provided design support for proper sizing of the proposed subsurface drainage system and is responsible for layout and foundation design of the pedestrian bridges and supporting preparation of the preliminary and final design documents.			
12/17 - 02/22	<b>CAMELLIA - SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Engineer Intern and Project Manager on the team providing engineering services to the LCG for the design of a dedicated right-turn lane and second left-turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services include preparing plans and specifications for project construction, performing engineering design and analyses for the widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Responsibilities included site layout, engineering calculations for evaluation of the storm drainage system, utility coordination, coordinating preparation of construction documents, as well as invoicing, deliverables, scheduling, resourcing, and client coordination.			
02/15 – Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> Engineer Intern on the team providing engineering services to St. Bernard Parish Government for repairs, restorations, and replacement of Parish-owned roadway and canal crossings to Pre-Katrina conditions. Responsibilities included site layout, engineering, and coordinating preparation of construction documents for the replacement of the culvert canal crossing structures on 20 Arpent Canal at Mumphrey Rd. and Gallo Rd. in Chalmette, LA, and all associated infrastructure necessary to replace to current codes and standards, including HMGP measures.			
09/21 - 11/21	<b>TERREBONNE SHERIFF’S OFFICE TRAILER PARK: Terrebonne Parish, LA.</b> Lead Engineer and Project Manager on team providing Project Management, Design services, Construction Management, and Administrative Support Services for the set-up of a temporary housing site for employees of Terrebonne Parish Sheriff’s Office in the wake of Hurricane Ida. Ms. Foreman was responsible for performing site design and as-needed construction phase services including: feasibility studies, drainage impact analysis, site layout, topographical survey, coordinating preparation of design drawings, construction scoping, environmental assessments, permitting, and agency and client coordination.			

**16. Staff Experience:**

02/18 - Ongoing	<b>NOLA CAPITAL IMPROVEMENT PROGRAM, RR1 31 MILNEBURG GROUP B: New Orleans, LA.</b> New Orleans, LA Engineer Intern for the R13 1 Milneburg Group B project which involved professional engineering design services for FEMA eligible street repairs within the Milneburg Group B neighborhood. Responsibilities included design activities such as street grading, stormwater drainage and calculations, sanitary, sidewalks and driveways, and potable water.
08/15 - 11/21	<b>POLLY LANE EXTENSION: Lafayette, LA.</b> Engineer Intern and Project Manager – Engineer Intern and Project Manager responsible for performing engineering design services and construction management for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section at Verot School Road. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. The roadway extension/connection consists of a 2-lane asphaltic concrete roadway with curb and gutter and subsurface drainage, a concrete box culvert over Issac Verot Coulee Lateral 7, sidewalks, and lighting. As Engineer Intern, Ms. Foreman was responsible for performing engineering analyses for design of the storm drainage system, preparation of and revisions to construction documents, and providing engineering support during construction. As Project Manager, Ms. Foreman was responsible for invoicing, deliverables, scheduling, resourcing, and client coordination.
11/16 - 02/18	<b>CITY OF YOUNGSVILLE NEW ROAD: Youngsville, LA.</b> Engineer Intern – Engineer Intern on team that provided engineering design and construction management for Mayor Lucas Denais Drive in Youngsville, LA. The project involved design of a new approximately 1000 linear ft. asphalt roadway with turning lanes and stop-controlled intersections and open-ditch drainage. Ms. Foreman was responsible for the design of the roadway striping plan, performing a drainage analysis for use in design of the open ditch drainage system, and engineering support and inspection during construction.
08/20 - Ongoing	<b>INDIAN CREEK LOW WATER CROSSING: Fort Polk, LA.</b> Project Manager – Project Manager for the Royal team providing engineering services to design a new roadway low water crossing structure and to design repairs to the existing Sagebrush Road. Responsibilities include serving as the primary point of contact between Royal and DCMS, Inc., coordinating closely with the construction Contractor for the project throughout design of the project, designing the horizontal geometry of proposed new road, and supporting the design team with various design tasks such as Hydraulic Modeling, culvert sizing, and development of plans and specifications.
04/18 - 10/20	<b>CNO STREET REPAIR – LEONTINE, VALMONT, CAMP, AND CHESTNUT: New Orleans, LA.</b> Engineer Intern and Project Manager – Engineer Intern and Project Manager on team providing Engineering Design and Construction Administration Services for the City of New Orleans for roadway enhancement and full reconstruction of streets and utilities in a portion of the Uptown neighborhood of New Orleans, Louisiana. Royal provided main line drainage design, water line replacement design, and sewer line replacement design for portions of Camp Street, Leontine St., Valmont St., Coliseum St., and Chestnut St. in accordance with New Orleans Department of Public Works and New Orleans Sewerage and Water Board requirements. Ms. Foreman was responsible for performing drainage analyses to layout and size the proposed curb and gutter drainage system and coordinating preparation of AutoCAD drawings for Preliminary and Final Plans.


## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Carter O'Brien, P.E.	Years of relevant experience with this employer	3	
Title	Senior Project Manager	Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			BS / 2013 / Civil Engineering	
Active registration number / state / expiration date			43647 / LA / 3-31-2024	
Year registered	2019	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Civil Engineering Design/Constructability Reviews	
Experience dates (mm/yy--mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).			
11 years of experience	Mr. O'Brien is an Engineer with over 10 years of heavy civil, roadway, drainage, and bridge construction experience. Mr. O'Brien has managed field operations, inspectors, project documentation and closeout on numerous projects. He has completed road restoration and reconstruction projects for LADOTD, FEMA, and various other local agencies. He has extensively worked in asphalt paving, PCCP, catch basins, drainage, and sidewalk projects. Mr. O'Brien has significant experience with design and construction in accordance with DOTD standards and specifications. <b>Certifications:</b> Traffic Control Supervisor, Traffic Control Technician, Certified Flagger			
06/20 - 02/22	<b>CAMELLIA - SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Engineer on the team providing engineering services to the LCG for the design of a dedicated right-turn lane and second left-turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Roads services include preparing plans and specifications for project construction, performing engineering design and analyses for the widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Mr. O'Brien provided technical support during construction.			
02/15 - Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> Engineer on the team providing engineering services to St. Bernard Parish Government for repairs, restorations, and replacement of Parish-owned roadway and canal crossings to Pre-Katrina conditions. Responsibilities included constructability review of design plans and management during construction for the replacement of the culvert canal crossing structures on 20 Arpent Canal at Mumphrey Rd. and Gallo Rd. in Chalmette, LA, and all associated infrastructure necessary to replace to current codes and standards, including HMGP measures.			
11/19 - Ongoing	<b>FEMA ROADWAY RESTORATION PROGRAM: New Orleans, LA.</b> Project Manager on the Royal team contracted by the City of New Orleans to provide construction management services during the nearly \$2 Billion FEMA Recovery Roads Program. Mr. O'Brien is responsible for overseeing contractors during construction; ensuring the project specifications and plans are being followed. Mr. O'Brien reviews monthly invoices, manages in house resident inspectors, prepares, and reviews project change orders, coordinates and reviews project material testing results.			
04/18 - 02/20	<b>ST. GABRIEL IMPROVEMENT - PHASE 5: St. Gabriel, LA.</b> Construction Manager on the Royal team contracted by the City of St. Gabriel to provide Construction Management and Engineering Services for the restoration of four roadways and the full re-construction of one roadway. This project's scope consisted of cold planing of existing asphalt, Lime and Soil cement treatments, asphalt binder and wearing overlay. Mr. O'Brien performed construction management responsibilities during the Construction phase, assisted in design alterations during construction, and produced as-built drawings for post-construction closeout.			
04/18 - 02/19	<b>H.010352 LA 442: TANGIPAHOA RIVER BRIDGE REPLACEMENT: Tickfaw, LA.</b> As Construction Engineer responsible for reviewing the contractor's Critical Path Method schedule. This includes approval of the CPM baseline schedule ensuring that it meets the project time requirements, project specifications, the contract value matches that in the schedule, that all resources and items in the contract are adequately reflected in the contractor's CPM schedule. Also included with this project is review and approval of each monthly update of the schedule and providing the owner (DOTO) with adequate and informed information in case of litigation, disputes or requested change orders.			

16. Staff Experience:

04/18 - 08/18	<b>H.009597 1-10: W PEARL RIVER: Baton Rouge, LA.</b> As Construction Engineer assisted the project manager with review of the projects critical path method (CPM) schedule. Mr. O'Brien was responsible for reviewing the submitted baseline and updates to ensure the contractor's means and methods were reasonable, the contract specifications for allowed time per line item were reflected in the schedule, and the contract amount was reflected in the schedule.
07/16 - 07/18	<b>H.011503: I-10 TWIN SPANS ITS: Orleans and St. Tammany Parish, LA.</b> – As Construction Engineer responsibilities included responding to RFI's throughout construction, providing LADOTD with suggested solutions to RFI's, generating LADOTD SiteManager monthly estimates, reviewing SiteManager diaries, and reviewing project change orders and submitting them to LADOTD for approval. Upon completion of construction, Mr. O'Brien compiled all project documentation including all submittals, as-builds, survey site layout, correspondence, 2059, and all LADOTD required project documentation and submitted to the state.
12/15 - 06/16	<b>H.001491.6; LA 20 (North Canal Blvd.) Widening in Lafourche Parish.</b> As Senior Field Engineer duties included QA/QC testing management, submitted change orders, project submittal management, RFI submittals, schedule management, survey site layout, project coordination, and maintained project as-builds.

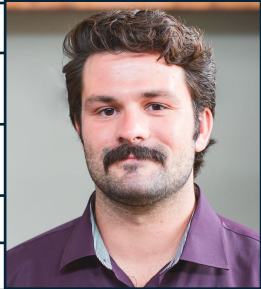
## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	William Fontenot, Jr., P.E.	Years of relevant experience with this employer	<1	
Title	Structural Engineer	Years of relevant experience with other employer(s)	8	
Degree(s) / Years / Specialization			BS / 2012 / Civil Engineering	
Active registration number / state / expiration date			41036 / LA / 3-31-2023	
Year registered	2016	Discipline	Professional Engineer, Civil	
Contract role(s)/brief description of responsibilities			Quality Assurance/Quality Control	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
8+ years of experience	Mr. Fontenot has more than eight years of experience in civil and structural engineering, construction consulting, and structural inspection and repair. He has performed on-site inspection of structural deficiencies of statewide projects and engineered safe, economic approaches to specific construction problems related to various heavy construction projects. He has significant experience and familiarity with MUTCD, AASHTO, AISC, ACI, and LADOTD design manuals and codes. <b>Certifications:</b> Traffic Control Supervisor, Traffic Control Technician, Certified Flagger			
10/21 - 11/21	<b>CAMELLIA - SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Staff Engineer for engineering services during construction of a dedicated right-turn lane and second left-turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services include preparing plans and specifications for project construction, performing engineering design and analyses for the widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Mr. Fontenot provided technical support related to contractor RFI's and issues encountered in the field.			
2016 – 2021	<b>RESTORE LOUISIANA HOMEOWNERS ASSISTANCE PROGRAM: State of Louisiana.</b> Structural Engineer involved with the State of Louisiana's Restore Louisiana Homeowner's Assistance Program. Responsibilities included completing inspections of homes that were flagged to have a structural deficiency, including visiting the homes and taking measurements and photographs of deficiencies; creating an assessment report for each home outlining the areas of concern and identifying if the damage was flood-related, presented life safety concerns, or was feasible for repair; quantifying deficiencies and proposed repairs; creating cost estimates for proposed repairs; overseeing a sub-contracted engineering firm that performed similar assessments; reviewing their reports and assisting them with information needed to create the cost estimate; working with the pre-con leads and schedulers to ensure all homes with structural issues were seen to in a timely manner that is consistent with our scope of services; and developing program processes, SOPs, workflows for various program related assignments.			
06/12 - 07/16	<b>H.002550 MACARTHUR DRIVE INTERCHANGE COMPLETION: Jefferson Parish, LA.</b> As an Engineer Intern, Mr. Fontenot assisted with plan and elevation revision, performed quality checks of plans from other firms, designed curtain wall details, and designed overhead sign support addition. Tasks Performed included: modification of existing geometric design of baseline for on/off ramps; detailed sections of roadway for graphical grade plans; used current design standards to detail and design curtain wall details for final plans; detailed and designed overhead sign support addition and layout for various locations throughout final design; proposed options for frontage road modifications and layout of roadway beneath bridge structure. Codes used included: AASHTO Roadside Design Guide, AISC Steel Construction Manual, ACI 318-11 Building Code Requirements for Structural Concrete, LADOTD Bridge Design Manual.			
06/12 - 07/16	<b>IN-DEPTH BRIDGE INSPECTION OF COMPLEX STRUCTURES: St. Landry Parish, LA.</b> As an Engineering Intern, Mr. Fontenot performed in-depth inspection of the deck, superstructure and substructure of the approach spans on the Krotz Springs Bridge over the Atchafalaya River. In this role, Mr. Fontenot also coordinated meetings between the inspectors; coordinated equipment rentals and staffed personnel; performed bridge inspections; and provided assessment report of bridges including potential repair plans. Codes used included: PONTIS Inspection Manual.			


16. Staff Experience:

06/12 - 07/16	<b>H.003182 INNER HARBOR CANAL BRIDGE REHABILITATION: Algiers, LA.</b> As an Engineering Intern, Mr. Fontenot designed traffic control and signage including detour plans and assisted in quantity checks and details for Final Plans Tasks performed included: used as-built plans and CAD software to layout and design traffic control options and detour paths for temporary lane closure during construction efforts; applied LADOTD Standards for Traffic Management and Signage; and refined and checked rehabilitation details and plans for final submittal. Codes used included: MUTCD, LADOTD Traffic Control Standard Plans, AISC Steel Construction Manual, and ACI 318-11 Building Code Requirements for Structural Concrete.
06/12 - 07/16	<b>I-10 LAKE PONTCHARTRAIN BRIDGE DECK PATCHING &amp; GIRDER PAINTING: New Orleans, LA.</b> As an Engineering Intern, Mr. Fontenot performed field inspection of all bridges. Created Assessment Report. Designed traffic control and detour plans. Wrote TMP for final submittal. Prepared plans and details for repairs. Tasks performed included: planned for inspection and quantification of bridge deficiencies by preparing traffic control plans and reviewing previous inspection reports; used CAD software to develop detour plans and a TMP for the state's review; performed field inspection; compiled data from the field inspection to create an assessment report; and used as-built plans and current state standards to prepare and detail suggested repairs. Codes used included: MUTCD, LADOTD Traffic Control Standard Plans, AISC Steel Construction Manual, ACI 318-11 Building Code Requirements for Structural Concrete, AASHTO LRFD Bridge Design Specifications, and LADOTD Bridge Design Manual.

## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Brennon Bourgeois, E.I.	Years of relevant experience with this employer	1	
Title	Engineering Intern	Years of relevant experience with other employer(s)	0	
Degree(s) / Years / Specialization			BS / 2021 / Civil Engineering	
Active registration number / state / expiration date			34870 / LA / 9-30-2023	
Year registered	2021	Discipline	Engineer Intern	
Contract role(s)/brief description of responsibilities			Civil 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 time specified in the applicable MPR(s).			
02/21 – 02/22	<p><b>CAMELLIA - SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Engineer Intern on team providing engineering services to the Lafayette Consolidated Government for the design of a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Services consist of preparing plans and specifications for construction of the project and performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Additional project features include road striping, sidewalk relocation, and street lighting. Mr. Bourgeois was responsible for providing construction administration and engineering support to the Project Engineer/Project Manager through construction phase of the project. Specific tasks included review and management of pre-construction submittals, review and management of Daily Inspection Reports and Materials Testing reports, Tracking material/construction quantities and labor hours, reviewing contractor and inspector pay applications, and site visits.</p>			
02/21 – 10/21	<p><b>POLLY LANE EXTENSION: Lafayette, LA.</b> Engineer Intern responsible for construction management support during construction for the extension and connection of both existing dead-end streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section at Verot School Road. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. The roadway extension/connection consists of a 2-lane asphaltic concrete roadway with curb and gutter and subsurface drainage, a concrete box culvert over Issac Verot Coulee Lateral 7, sidewalks, and lighting. Mr. Bourgeois was responsible for providing construction administration support to the Project Engineer and Project Manager during the construction phase of the project. Specific tasks included review and management of Daily Inspection Reports and Materials Testing reports, tracking material/construction quantities and labor hours, and reviewing contractor and inspector pay applications.</p>			
02/21 – Ongoing	<p><b>CNO STREET REPAIR – LEONTINE, VALMONT, CAMP, AND CHESTNUT: New Orleans, LA.</b> Engineer Intern on team providing Engineering Design and Construction Administration Services for the City of New Orleans for roadway enhancement and full reconstruction of streets and utilities in a portion of the Uptown neighborhood of New Orleans, Louisiana. Royal provided main line drainage design, water line replacement design, and sewer line replacement design for portions of Camp Street, Leontine St., Valmont St., Coliseum St., and Chestnut St. in accordance with New Orleans Department of Public Works and New Orleans Sewerage and Water Board requirements. Mr. Bourgeois was responsible for supporting the design team by assisting with various tasks involving the plan review with respect to utility conflicts and making sure all comments were addressed.</p>			
09/21 – 11/21	<p><b>TERREBONNE SHERIFF’S OFFICE TRAILER PARK: Terrebonne Parish, LA.</b> As an Engineer Intern, Mr. Bourgeois was responsible for providing support to the Lead Project Engineer during the design and permitting phases. During design, Mr. Bourgeois assisted with various tasks involving drainage analysis. Once complete, Mr. Bourgeois utilized the results of the drainage analysis and the DOTD Hydraulics Manual to prepare the drainage impact letter that was submitted to the Building Department for permitting.</p>			

## 16. Staff Experience:

Firm employed by	Royal Engineers and Consultants, L.L.C.			
Name	Shaun Tynes	Years of relevant experience with this employer	5	
Title	CADD Specialist	Years of relevant experience with other employer(s)	15	
Degree(s) / Years / Specialization			AAS   2000   Drafting and Design	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	Drafting & Design	
Contract role(s)/brief description of responsibilities			Drafting	
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).			
08/15 - 01/22	<b>IBERIA STREET SIDEWALK AND PEDESTRIAN BRIDGE DESIGN: Youngsville, LA.</b> CAD Technician on the Royal Team. Job duties include, using AutoCAD Civil 3D to create proposed drainage pipe network, and drawings for proposed sidewalk installation. Responsible for providing plan and profile sheets detailing the removal and/or replacement of existing utilities and drainage, and providing details for installment of new sidewalks and subsurface drainage. Prepared plans in accordance with DOTD CAD Standards.			
12/17 - 02/22	<b>CAMELLIA/ SETTLERS TRACE TURN LANE: Lafayette, LA.</b> Draftsmen responsible for creating drawings for a dedicated right turn lane and second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard. Drawings consist of typical roadway sections, plan and profiles of proposed turn lanes, existing and design drainage maps, geometric details, joint layouts, sequence of construction, and cross sections.			
08/15 - 11/21	<b>POLLY LANE EXTENSION: Lafayette, LA.</b> CAD Technician on the Royal Team. Job duties include, creating typical roadway sections, plan and profile sheets, existing and design drainage maps as well as special details, and geometric details of added roundabout to the existing roadway.			
04/18 - Ongoing	<b>ST. BERNARD HMP CANAL CROSSINGS: St. Bernard Parish, LA.</b> CAD Technician on the Royal Team providing creating a grading site plan and associated cross-sections of the site plan to St. Bernard Parish Government for repairs, restorations, and replacement of Parish-owned roadway and canal crossings to Pre-Katrina conditions. Responsibilities included site layout, engineering, and coordinating preparation of construction documents for the replacement of the culvert canal crossing structures on 20 Arpent Canal at Mumphrey Rd. and Gallo Rd. in Chalmette, LA, and all associated infrastructure necessary to replace to current codes and standards, including HMGP measures.			
02/18 - Ongoing	<b>NOLA CAPITAL IMPROVEMENT PROGRAM, RR1 31 MILNEBURG GROUP B: New Orleans, LA.</b> Royal Engineers and Consultants (Royal) was contracted by Design Engineering, Inc (DEI) to provide engineering services for the following four New Orleans City blocks: 5600 Block of Arts Street; 6200 Block of Spain Street; 6300 Block of Marigny Street; and 2200 Block of New York Street. Royal was tasked with providing Preliminary and Final Design Plans for road reconstruction, sidewalks and ADA ramps, drainage infrastructure improvements, and sewer utilities. Mr. Tynes was responsible for preparing design drawings including plan profile sheets and drainage maps.			
01/16 - 09/19	<b>THE COVE OF MOSS BLUFFS HOUSING DEVELOPMENT: Calcasieu Parish, LA.</b> CCAD Technician on the Royal Team. Job duties include, creating typical roadway sections, plan and profile sheets, existing and design drainage maps as well as geometric and special details.			

## 16. Staff Experience:

Firm employed by	T. Baker Smith, LLC		
Name	Jean Reulet, PLS	Years of relevant experience with this employer	1
Title	Survey Project Manager	Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			BS / 2011 / Geomatics
Active registration number / state / expiration date			5145 / LA / 3-31-2024
Year registered	2015	Discipline	Survey
Contract role(s)/brief description of responsibilities			Project Surveyor (MPR 4)
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
14+ years of experience	Jean Reulet has served in various roles as a professional land surveyor since 2015. His field experience for LADOTD projects began in 2012 where he has been involved in dozens of topographic surveys of varying sizes across southern Louisiana. He has participated in all stages of a topographic survey from field data collection to final deliverables preparation according to the LADOTD's Location and Survey Manual. Jean is experienced in the use of cutting edge technology such as terrestrial and mobile LIDAR methods for collecting topographic and structural data in an efficient and safe manner.		
05/08 - Present	<b>LAND SURVEYING EXPERIENCE.</b>		
04/12 - Present	<b>LAND SURVEYING IN ACCORDANCE WITH DOTD'S LOCATION AND SURVEY MANUAL.</b>		
06/20 - 06/21	<b>MULTIPLE S.P. NOS., CONTRACT NO. 4400017597, RURAL BRIDGE REPLACEMENT INITIATIVE: Southern LA.</b> Survey Dept. Assistant Manager. Performed data processing, project QA/QC and management for Topographic Survey.		
03/21 - 06/21	<b>H.010885: LA 91: BAYOU PLAQUEMINE BRULE BR REPLACE: Estherwood, LA.</b> Survey Dept. Assistant Manager. Performed data processing, project QA/QC and management for Topographic Survey.		
04/20 - 11/20	<b>H.000688: US 11 NORFOLK SOUTHERN RR OVERPASS (HBI): Slidell, LA.</b> Sr. Project Manager. Performed data processing and project QA/QC for Topographic Survey.		
04/20 - 06/20	<b>H.000284: US 90: PEARL RIVER BRIDGES (HBI): Orleans Parish, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey, Mobile LiDAR Scanning project.		
01/20 - 08/20	<b>H.010652: LA 73: US 61 (AIRLINE) – ESSEN LANE: Baton Rouge, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey, Mobile LiDAR Scanning project.		
06/19 - 08/19	<b>H.004791: LA 23: BELLE CHASSE BRIDGE &amp; TUNNEL (HBI): Belle Chasse, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.		
08/19 - 11/19	<b>H.011645: LA 3002 ACCESS MANAGEMENT: Denham Springs, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey, Mobile LiDAR Scanning project.		
04/19 - 04/19	<b>H.005121: I-10 TO LA 1 CONNECTOR: W. Baton Rouge Parish, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.		

## 16. Staff Experience:

01/19 - 04/19	<b>H.012735: LA 182 BARROW ST. BRIDGE: Houma, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
01/18 - 04/19	<b>H.012591: I-10 PARIS ROAD – LAKE PONTCHARTRAIN: Orleans Parish, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey, Mobile LiDAR Scanning project.
05/18 - 12/18	<b>H.011670: LOYOLA INTERCHANGE IMPROVEMENTS: Kenner, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
03/17 - 04/18	<b>H.004987: US 190 COLLINS BLVD. WIDENING: Covington, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
03/17 - 10/17	<b>H.010962: I-10 CABLE BARRIER: Acadia and Jefferson Davis Parishes, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
02/16 - 02/17	<b>H.005403: HOOPER ROAD EXTENSION: E. Baton Rouge and Livingston Parishes, LA.</b> Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
06/15 - 08/15	<b>H.011720: US 90 DRAINAGE CANAL EROSION REPAIR: Terrebonne Parish, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
05/15 - 11/15	<b>H.011224: US 190 GUARDRAIL/RUTTING REP. (PHASE I): Pointe Coupee Parish, LA.</b> Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
04/15 - 04/16	<b>H.011298: US 90 CAPTAIN CADE TO AMBASSADOR CAFFERY FRONTAGE ROAD: Lafayette, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
02/15 - 04/16	<b>H.011137 AND H.011152: I-12 (LA 21 TO US 190) &amp; I-12 (US 190 TO LA 59): St. Tammany Parish, LA.</b> Sr. Project Manager. Performed data processing, project QA/QC and management for Topographic Survey.
09/13 - 09/14	<b>H.010443: LA 308 CURVE REALIGN AND SHOULDERS TOPOGRAPHIC SURVEY: Assumption, LA.</b> Project Manager. Performed data processing, project QA/QC and management.
09/13 - 07/14	<b>H.009300: HOOPER ROAD WIDENING TOPOGRAPHIC SURVEY: E. Baton Rouge Parish, LA.</b> Project Manager. Performed data processing, project QA/QC and management.
10/13 - 05/14	<b>H.004932: INTERCHANGE FOR US 90 AND LA 318 TOPOGRAPHIC SURVEY: St. Mary Parish, LA.</b> Project Manager. Performed data processing, project QA/QC and management.
05/13 - 03/14	<b>H.002375: AMITE RIVER BRIDGE NEAR FRENCH SETTLEMENT TOPOGRAPHIC SURVEY: Livingston Parish, LA.</b> Project Manager. Performed data processing, project QA/QC and management.
01/13 - 08/13	<b>H.009489: JEFFERSON HIGHWAY OVERPASS TOPOGRAPHIC SURVEY: Baton Rouge, LA.</b> Survey Crew Chief. Performed data processing, project QA/QC and management.
10/12 - 07/13	<b>H.009956: LA 44 TURNLANES AND MEDIANS TOPOGRAPHIC SURVEY: Ascension Parish, LA.</b> Survey Crew Chief. Performed field data collection, data processing, project QA/QC and management.

## 16. Staff Experience:

Firm employed by	T. Baker Smith, LLC		
Name	Rene J. Hebert, PLS	Years of relevant experience with this employer	14
Title	Survey Lead Professional	Years of relevant experience with other employer(s)	2
Degree(s) / Years / Specialization			BS / 2008 / Geomatics
Active registration number / state / expiration date			5070 / LA / 3-31-2024
Year registered	2011	Discipline	Survey
Contract role(s)/brief description of responsibilities			Lead Professional for Survey (MPR 5)
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).		
16+ years of experience	As Survey Lead Professional, Rene has 16 years of project experience. He has served as Principal in Charge of numerous survey projects where he has been responsible for overseeing and executing the technical aspect of surveying projects including producing and revising drawings, sketches, plans, etc. for contract documents and QC/QA of surveying services. He coordinates work among project technicians, field crew coordinator, field survey personnel, and other required professionals working on the project. Mr. Hebert has gained valuable experience surveying the environment of south Louisiana including topographic, boundary and GPR surveys and underwater acoustic hydrographic surveys including multi-beam, single beam, side scan sonar, acoustical soundings, magnetometry and other bathymetric surveys for industrial, government and private clients.		
10/17 - 12/18	<b>MA-17-01, RODDY ROAD WIDENING (LA 935 TO LA 621): Ascension Parish, LA (Ascension Parish Government).</b> Survey Lead Professional. Responsible for overseeing topographic surveys, crew coordination, oversight of data processing, deliverable preparation, title take off, property surveys, prepared base and final right of way maps for multiple projects as part of the Move Ascension Project.		
11/17 - 12/18	<b>ENG-17-013, LA 3127 EXTENSION (LA 70 TO LA 1): Ascension Parish, LA (Ascension Parish Government).</b> Survey Lead Professional. Responsible for overseeing topographic surveys, crew coordination, oversight of data processing, deliverable preparation, title take off, property surveys, prepared base and final right of way maps for 30% design and right of way mapping for the extension of LA Hwy 3127 from LA 70 to LA 1 in Ascension Parish, LA. The project is proposed by Ascension Parish as the first phase of a 4-lane divided highway to the south of the City of Donaldsonville, LA.		
12/18 - Ongoing	<b>STPG/BH-HARRISON IMPROVEMENTS US190-LA59.</b> Survey Lead Professional. Responsible for overseeing topographic surveys, crew coordination, oversight of data processing, surface generation for use in existing drainage maps, deliverable preparation, title take off, property surveys, prepared base and final right of way maps for the improvements along Harrison Ave. that includes approximately 13,200 feet of roadway widening along existing alignment including the installation of single lane roundabouts at Marigold Drive and Falconer Drive.		
04/15 - 12/18	<b>S.P. H.004113, I-12 TO BUSH: LA 3241 (LA 435 TO LA 40/41): St. Tammany Parish, LA (LADOTD).</b> Survey Lead Professional. Oversaw topographic surveying, property surveys and Right of Way map production including 101 parcels for new 5.5-mile, four-lane SA-3 roadway from LA 435 to Bush, LA.		
07/15 - 06/16	<b>DOTD - RETAINER CONTRACT NO. 4400003473.</b> Principal Surveyor. Oversaw surveying services including Topographic Survey, Title Research Reports, Property Survey, Title Updates, Right-of-Way (R/W) Maps for various project locations.		
09/15 - 05/16	<b>SP H.011767.5, SP H.011806.5, SP H.011788.5; FP H011767, FP H011806, FP H011788 DOTD; OSBR Assumption/Iberville/West BR.</b> Supervising Surveyor. Responsible for overseeing crews performing topographic surveys of the existing roadway, bridge and channel for multiple of-system bridge replacement project.		
08/15 - 08/18	<b>S.P. NO. H.011540, BABIN ROAD BRIDGE/BAYOU NARCISSE: Ascension Parish, LA (LADOTD).</b> Survey Lead Professional. Responsible for overseeing topographic surveys, crew coordination, oversight of data processing, LiDAR processing for surface generation and use in existing drainage maps, deliverable preparation, title take off, property surveys, prepared base and final right of way maps for the off-system bridge replacement project.		

16. Staff Experience:

01/14 - 05/18	<b>S.P. H.010724, PECAN ISLAND ROAD BRIDGE OVER THE CHENAL: Pointe Coupee Parish, LA (LADOTD).</b> Supervising Surveyor. Responsible for overseeing crews performing topographic surveys of the existing roadway, bridge and channel for the off-system bridge replacement project.
07/14 - 04/15	<b>S.P. NO. H.001439, BRIDGES NEAR GRAND ISLE, LA 1: Lafourche and Jefferson Parishes, LA (LADOTD).</b> Supervising Surveyor. Supervised property surveys and right of way surveys for the removal of three bridge structures located along LA 1 in Jefferson and Lafourche Parishes near the town of Grand Isle.
01/14 - 06/15	<b>S.P. NO. H.009140, LA 1026 AT LA 1030 ROUNDABOUT: Livingston Parish, LA (LADOTD).</b> Principal in Charge. Responsible for overseeing property surveys, location of property markers along existing highways, creating base and final right of way maps as well as conducting title work for the effected properties and generating parcel descriptions for taking areas.

## 16. Staff Experience:

Firm employed by	T. Baker Smith, LLC		
Name	Beau Crochet, LSI	Years of relevant experience with this employer	7
Title	Project Technician/Survey Intern	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization			BS / 2015 / Geomatics
Active registration number / state / expiration date			663 / LA / 9-30-2022
Year registered	2016	Discipline	Survey Intern
Contract role(s)/brief description of responsibilities			Survey technician for data processing and map preparation in support of the field survey crew.
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
7+ years of experience	Beau Crochet is a licensed land survey intern working under the direction of a Louisiana licensed PLS while working towards his PLS license. He is primarily responsible for providing technical support to the project surveyor by processing data, analyzing, coordination and researching information, preparing title take offs and providing the necessary CADD support to complete deliverable preparation for topographic surveys and right of way maps. He also prepares field survey packs for survey crews and assists in the field when necessary.		
11/17 - 12/18	<b>ENG-17-013, LA 3127 EXTENSION (LA 70 TO LA 1): Ascension Parish, LA (Ascension Parish Government).</b> Survey Intern. Data processing using Microstation/Inroads and DOTD coding for topographic surveys and SUE deliverables, title take offs, processing, analyzing and calculating property surveys, assisted with preparation of base right of way including 12 parcels for the 6.8-mile roadway extension project.		
05/16 - 09/16	<b>S.P. NO. H.004113, I-12 TO BUSH: LA 3241 (LA 435 TO LA 40/41): St. Tammany Parish, LA (LADOTD).</b> Project Technician. Performed title research, data processing and assisted with property survey preparation including 101 parcels for the 5.5-mile, four-lane RA-3 roadway through virgin terrain.		
04/18 - 12/18	<b>S.P. NO. H.006457, PARKER ROAD AND PR 929 ROUNDABOUT: Ascension Parish, LA (Ascension Parish Government/LADOTD).</b> Survey Intern. Data processing using Microstation/Inroads and DOTD coding for topographic surveys and SUE deliverables, title take offs, processing, analyzing and calculating property surveys, assisted with preparation of base right of way maps including 18 parcels for the roundabout project.		
10/17 - 12/18	<b>MA-17-01, RODDY ROAD WIDENING (LA 935 TO LA 621): Ascension Parish, LA (Ascension Parish Government).</b> Survey Intern. Data processing using Microstation/Inroads and DOTD coding for topographic surveys and SUE deliverables, title take offs, processing, analyzing and calculating property surveys, assisted with preparation of base and final right of way maps including 68 parcels for the 1.5-mile road widening project.		
06/18 - 12/18	<b>MA-18-07, BRAUD RD. AND GERMANY RD. ROUNDABOUT: Ascension Parish, LA (Ascension Parish Government).</b> Survey Intern. Data processing using Microstation/Inroads and DOTD coding for topographic surveys and SUE deliverables, title take offs, processing, analyzing and calculating property surveys, assisted with preparation of base and final right of way maps along 36 parcels for the roundabout project.		

## 16. Staff Experience:

Firm employed by	T. Baker Smith, LLC		
Name	Laramey Leet	Years of relevant experience with this employer	6
Title	Survey Party Chief	Years of relevant experience with other employer(s)	10
Degree(s) / Years / Specialization			N/A
Active registration number / state / expiration date			N/A
Year registered	N/A	Discipline	N/A
Contract role(s)/brief description of responsibilities			Survey crew party chief
Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; i.e., “designed drainage”, “designed girders”, “designed intersection”, etc. Experience dates should cover the time specified in the applicable MPR(s).		
16+ years of experience	Laramey Leet has extensive experience with LADOTD projects and is very familiar with LADOTD Location and Survey procedures for control, location, traverse and cross sections. He is very experienced with LADOTD coding procedures and the development of survey surfaces for design. Laramey's project experience includes boundary, topographic and construction staking for roadways, bridges, subdivisions and municipal projects. He is familiar with roadway alignment properties used in developing topographic surveys for LADOTD. Laramey is experienced with static, rapid static, kinematic and real-time kinematic GPS surveying as well as surveys utilizing conventional total stations and robotic total stations.		
06/20 - Ongoing	<b>CONTRACT 44-17598 – RURAL BRIDGE REPLACEMENT INITIATIVE PHASE I (47 BRIDGE STRUCTURES), DISTRICTS 04, 05, 08, 58 (LADOTD).</b> Survey Crew Party Chief. TBS performed control, topographic, and right of way surveys for the replacement of 47 bridge structures in the northern Louisiana. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into to existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed and QA/QCd, and coordinated with in house engineers designing the replacement bridges. Property surveys of affected tracts of land were also surveyed for any takings or servitudes, and these lines portrayed on Right of way maps.		
06/21 - Ongoing	<b>CONTRACT 4400019336 – RURAL BRIDGE REPLACEMENT INITIATIVE PHASE 2 (40 BRIDGE STRUCTURES), DISTRICTS 04 &amp; 05 (LADOTD).</b> Survey Crew Party Chief. TBS performed control, topographic, and right of way surveys for the replacement of 40 bridge structures in the northern Louisiana. Data was captured to detail the existing bridges themselves, roadways on either side, and surrounding terrain to ensure proper tie into to existing surfaces. Cross sections of the channels they cross were also surveyed to provide information for hydraulic modeling. Data is then processed and QA/QC'd, and coordinated with in house engineers designing the replacement bridges. Property surveys of affected tracts of land were also surveyed for any takings or servitudes, and these lines portrayed on Right of way maps.		
09/16 - 10/16	<b>S.P. NO. H.012699, LA 10/BEAVER BRANCH BRIDGE: St. Helena Parish (LADOTD).</b> Survey Crew Party Chief. Topographic survey. Emergency Project – Performed topographic and control surveys using robotic total station and GPS for emergency bridge replacement project in accordance with all LADOTD procedures - deliverables transmitted within 9 days from NTP.		
12/16 - 03/17	<b>S.P. NO. H.004113, I-12 TO BUSH: LA 3241 (LA 435 TO LA 40/41): St. Tammany Parish, LA (LADOTD).</b> Survey Crew Party Chief. Performed property surveys along 101 parcels through virgin terrain for the 5.5-mile roadway project.		
10/17 - 09/18	<b>MA-17-01, RODDY ROAD WIDENING (LA 935 TO LA 621): Ascension Parish, LA (Ascension Parish Government).</b> Survey Crew Party Chief. Performed topographic surveys, SUE designation surveys, existing drainage map surveys and property surveys along 68 parcels for the 1.5-mile road widening project.		

## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Other (Sidewalks)
Project name	Iberia Street Sidewalk	Firm responsibility (prime or sub?)	Prime
Project number	2015-09-02	Owner's name	City of Youngsville
Project location	Youngsville,, LA	Owner's Project Manager	Sally Angers
Owner's address, phone, email			305 Iberia Street, Youngsville, LA 70592 337.856.418, sallyangers@youngsvillela.gov
Services commenced by this firm (mm/yy)	08 / 2015	Total consultant contract cost (\$1,000's)	\$68.4
Services completed by this firm (mm/yy)	01 / 2022	Cost of consultant services provided by this firm (\$1,000's)	\$65.9

Royal was contracted by the City of Youngsville to perform design and construction phase services for the installation of a new sidewalk along Iberia Street located in Youngsville, Louisiana. The purpose of the project was to provide connectivity from the Sugar Mill Pond development to School Street to promote walking and bicycle traffic for the residents. The City requested Royal perform an initial cost analysis for three variations of sidewalk: 1) concrete, 2) asphalt, and 3) an environmentally green product. After the analysis was reviewed, the City decided for Royal to proceed with the design of the concrete sidewalk.

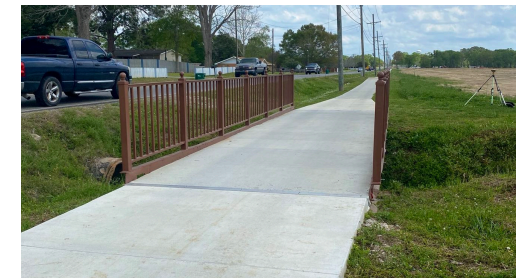
The sidewalk design consisted of approximately 4159 LF (0.788 miles) of 6 ft width by 4-inch thick concrete sidewalks. It was designed in accordance with current ADA guidelines to have a maximum cross slope of 2%, a maximum longitudinal slope of 5%, and a maximum ramp slope of 1 in over 12 in, where applicable. The sidewalk alignment was additionally designed to provide adequate offset distance from the adjacent road, to maintain positive drainage, and to minimize the need for utility relocations and right-of-way acquisition. The completed sidewalk design was able to be located within existing right-of-way or other utility or facility servitudes, avoiding the need for right-of-way acquisition.

Along with the sidewalk, Royal designed two pedestrian bridges within the sidewalk's footprint at Bayou Park Perdu and at a smaller, unnamed channel. Royal selected a pre-fabricated weathered steel pedestrian bridge design with concrete decking, as manufactured by Contech Engineered Solutions, LLC, due to the availability of long-span options and ease of construction. The selected bridges were able to span the channels without intermediate supports, thereby causing no obstruction to the existing channel flow. Royal designed the bridge abutment and pile foundation system to fully support the bridge design loads utilizing geotechnical design recommendations provided by Louisiana Testing and Inspection, LLC.

The project also required conversion of the existing open ditch drainage to an enclosed storm drainage system with grate inlets to accommodate the proposed sidewalk installation. Royal performed the necessary drainage analysis and design in accordance with the LA DOTD Hydraulics Manual utilizing the DOTD HYDR6020 Program for storm drain design.

Following production of preliminary plans and specifications, Royal led the project through the Department of Transportation and Development's Transportation Alternatives funding program (DOTD TAP). To comply with DOTD TAP requirements, Royal revised the design plans to be in accordance with DOTD CAD standards and utilized DOTD standard plans and specifications for further design development. Ultimately, construction plans were provided to the city to facilitate construction of the project. Royal provided as-needed support to the City of Youngsville during construction of the sidewalk including plan clarifications, utility coordination/relocations, and other technical support.

**Key Personnel:** Beau Tate, Katherine Foreman, Shaun Tynes



## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Other (Sidewalks)
Project name	Polly Lane Extension	Firm responsibility (prime or sub?)	Prime
Project number	2015-18	Owner's name	Lafayette City-Parish Consolidated Government
Project location	Lafayette, LA	Owner's Project Manager	Alison Lognion
Owner's address, phone, email			705 W University Ave, Lafayette, LA 70506 337.291.8522, alognion@lafayettela.gov
Services commenced by this firm (mm/yy)	08 / 2015	Total consultant contract cost (\$1,000's)	\$351.3
Services completed by this firm (mm/yy)	11 / 2021	Cost of consultant services provided by this firm (\$1,000's)	\$117.3

Royal Engineers and Consultants, LLC ("Royal") was contracted by Lafayette City-Parish Consolidated Government (LCG) to provide professional engineering design services for the extension and connection of both existing dead-end streets of Polly Lane to provide connectivity for vehicular and pedestrian traffic across Issac Verot Coulee. The scope of work also included roadway reconstruction and widening of the existing roadway south of Gathright Street to its existing section at Verot School Road and installation of sidewalks on both sides of the road along the entire length of the project. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. The roadway extension/ connection consists of a 2-lane asphaltic concrete roadway, concrete sidewalks, subsurface drainage, traffic circle, concrete box culvert in Issac Verot Coulee Lateral 7, articulating block matting for scour protection, ADA ramps, and street lighting. The project also involved installation of a new 8" water main and water and sewer service line adjustments and relocations.

Royal's design phase services included topographical and boundary surveying, all preliminary and final plans, preparation of all necessary right-of-way maps/plats and other governmental staking and inspection authorized on an as-need basis by owner, opinions of probable construction cost, design calculations, utility coordination, site condition assessment and surveying, permitting, and preparation of technical specifications and bid documents. The topographical survey was performed by Royal's surveying sub-consultant T. Baker Smith, LLC (TBS), which was used to develop the design plans and determine apparent right-of-way lines. The road was designed in accordance with LCG guidelines and other industry and state standards such as the AASHTO Greenbook and the LADOTD Road Design Manual. The sidewalks were designed in accordance with all LCG standard plans and ADA requirements, and hydraulic design was in accordance with the 2011 LADOTD Hydraulics Manual. Following completion of Preliminary design plans, Royal determined the required extents of right-of-way to construct the new roadway and sidewalks and coordinated with TBS to perform a boundary survey and prepare right-of-way maps, which were provided to LCG to facilitate acquisition of the required right-of-way. Prior to finalizing and stamping construction plans, Royal produced 95% Advanced Check Prints for review by LCG and relevant utility companies for a final, detailed review of the project.

Construction phase services included pre-construction coordination, contractor submittal review and tracking, shop drawing review and approval, RFI management, on-site progress meetings, construction monitoring, engineering during construction, preliminary and final walk through, punch list, substantial completion coordination, completion of record drawings and contractor pay request coordination. Royal additionally provided resident inspection services throughout construction of the project.

Design and construction of the project was divided into several phases to expedite construction of the road and provide access to a newly built apartment complex. Phase 1 of the project was completed in July of 2019, and construction of Phase 2 was completed in November of 2021.

### Key Personnel:

Katherine Foreman, Beau Tate, Shaun Tynes, Brennon Bourgeois



## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Other (Sidewalks)
Project name	Camellia – Settlers Trace Turning Lane	Firm responsibility (prime or sub?)	Prime
Project number	2017-09	Owner's name	Lafayette Consolidated Government
Project location	Lafayette, LA	Owner's Project Manager	Alison Lognion
Owner's address, phone, email			705 W University Ave, Lafayette, LA 70506 337.291.8522, alognion@lafayettela.gov
Services commenced by this firm (mm/yy)	12 / 2017	Total consultant contract cost (\$1,000's)	\$116.7
Services completed by this firm (mm/yy)	02 / 2022	Cost of consultant services provided by this firm (\$1,000's)	\$59

Royal was contracted by Lafayette Consolidated Government (LCG) to provide professional engineering design services for the addition of a dedicated right turn lane and a second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard in Lafayette, Louisiana. Project features included approximately 1200 SY of new concrete pavement and associated base course, 160 LF of new storm drain pipe, 400 SY of concrete sidewalks, 4 new or modified drainage structures, 3 new traffic signal heads, and modifications and improvements to the street lighting system.

Royal's design phase services included all preliminary and final plans, specifications, performing boundary survey and preparation of all necessary right-of-way maps/plats, opinions of probable construction cost, design calculations, and utility coordination and relocation. Design for the roadway modification included performing engineering design and analyses for widening of the concrete roadway, evaluation of the existing drainage infrastructure, and identifying required modifications to the existing drainage system. Royal also provided plans for road striping, sidewalk relocation and ADA ramp reconstruction, street lighting, and recommendations for construction phasing.

Construction phase services included pre-construction coordination, contractor submittal review and tracking, shop drawing review and approval, RFI management, on-site progress meetings, construction monitoring, engineering during construction, preliminary and final walk through, punch list, substantial completion coordination, completion of record drawings and contractor pay request and change order preparation. Royal also provided Resident Inspection services throughout the duration of construction.

Boundary surveying services for the project were sub-consulted to T. Baker Smith, LLC. Upon completion of Preliminary Plans and the Plan-In-Hand meeting, Royal determined through coordination with the LCG Traffic Department that the new right turn lane and relocated sidewalk could be constructed within the existing Camellia Boulevard right-of-way by reducing the lane widths at the location of the new turn lane from 12 ft to 11 ft, thereby eliminating any need for right-of-way acquisition.

### Key Personnel:

Katherine Foreman, Beau Tate, Shaun Tynes, Brennon Bourgeois, Billy Fontenot, Carter O'Brien



## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Other (Sidewalks)
Project name	St. Bernard HMP Canal Crossing	Firm responsibility (prime or sub?)	Prime
Project number	2014-24-00	Owner's name	St. Bernard Parish Government
Project location	St. Bernard Parish, LA	Owner's Project Manager	Donald R. Bourgeois, Jr.
Owner's address, phone, email			1125 East St. Bernard Highway, Chalmette, LA 70043 504.278.4313, dbourgeois@sbpg.net
Services commenced by this firm (mm/yy)	07 / 2014	Total consultant contract cost (\$1,000's)	\$550
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm (\$1,000's)	\$540

Royal was contracted by St. Bernard Parish Government (SBPG) to provide consulting and engineering services regarding repairing, restoring, and/or replacing Parish-owned roadways and bridges to their Pre-Katrina condition, while preserving the historical value and intent of each facility. As part of the contract, Royal was responsible for the six (6) separate project locations throughout St. Bernard Parish. Each of these projects include the restoration of concrete and asphalt roadways, including associated infrastructure and restoration or replacement of existing damaged canal crossing structures. Incidental associated infrastructure to be restored or replaced for each project included concrete sidewalks, driveways, storm drainage systems, sewer mains, and water mains.

Design services provided by Royal for each separate canal crossing project included, but were not limited to, the preparation of final plans and technical specifications, preparing an opinion of construction cost, coordinating with permitting agencies and LADOTD and securing all related permits, coordinating with utilities and other agencies with assets within the construction area, and preparing a Hazard Mitigation Proposal. Design plans and specifications were prepared in accordance with St. Bernard Parish standard plans and other state and industry standards such as LADOTD Road Design Manual, LADOTD Hydraulics Manual, LADOTD Standard Specifications for Roads & Bridges, AASHTO Greenbook, current ADA guidelines, and the AASHTO Roadside Design Guide.

Royal also provided bid and construction phase services for each of the canal crossing projects. Bid phase services provided by Royal included (a) the preparation and compilation of a bid package including front-end documents, construction drawings, and specifications, (b) attendance of a pre-bid and bid opening meetings with members of SBP and prospective bidders, (c) production of addenda in response to Contractor questions, and (d) review and tabulation of bids and production of a recommendation of acceptance to the lowest, responsive bidder. Construction Management services included performing review of product and work plan submittals, review of daily resident inspection reports, review of Contractor invoices against quantity takeoffs and construction specifications for payment, performing progress meetings, and general management of the Contractor during construction. Royal was also responsible for creating a punch list and submitting documents related to Substantial Completion and Final Acceptance at appropriate project milestones and for creating as-built sets following construction. Royal also provided Resident Inspection services throughout construction of the projects which included employing qualified personnel to observe and log daily field activities of the contractor and performing quantity takeoffs.



### Key Personnel:

Michael Pugh, Beau Tate, Katherine Foreman, Carter O'Brien

## 17. Firm Experience:

Firm Name	Royal Engineers and Consultants, LLC	Past Performance Evaluation Discipline(s)*	Other (Sidewalks)
Project name	Algiers Point Development	Firm responsibility (prime or sub?)	Prime
Project number	2016-01	Owner's name	Bethel Construction, LLC
Project location	New Orleans, LA	Owner's Project Manager	Mike Bertel
Owner's address, phone, email			1222 Annunciation Street, New Orleans, LA 70130 617.492.7007, mjbtertel@gmail.com
Services commenced by this firm (mm/yy)	12 / 2015	Total consultant contract cost (\$1,000's)	\$1,200.95
Services completed by this firm (mm/yy)	11 / 2018	Cost of consultant services provided by this firm (\$1,000's)	\$82.2

Royal Engineers and Consultants, LLC (Royal) was contracted by Bertel Construction, LLC (Bertel) to provide design-build services for the development of a 40-lot subdivision on vacant land in the West Bank of New Orleans (intersection of Patterson Drive and Atlantic Avenue).

The civil design of the system included the creation of demolition plans; grading plans; site plans; design of utilities including sanitary sewer, drainage, potable water, gas, and utility servitudes; driveway and sidewalk plans; tie-ins to existing facilities; and new road construction.

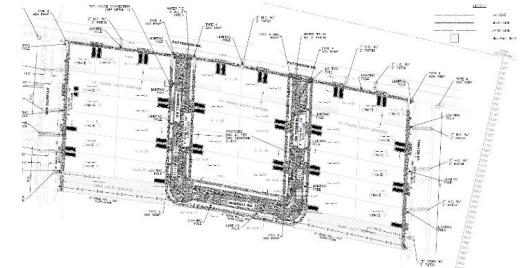
Also included within the project was the submission of a stormwater management plan that satisfied the new requirements of the City of New Orleans (CNO) which required that the first one and one quarter (1.25) inch of stormwater runoff be retained and filtered during each rain event. This was accomplished by routing the majority of the runoff from the graded lots and constructed streets to two bioswales designed to minimize the peak flow rate discharging from the subdivision system. Overflow devices for each bioswale were also designed to prevent the flooding of nearby lots in the event of clogs to either bioswale system.

In addition to the civil design, Royal was also tasked with coordination with regulatory agencies and securing all permits. This included consultations with the CNO Department of Public Works, Sewerage & Water Board of New Orleans, and the CPRA, USACE, and Levee District officials.

Following acceptance of the plans by the CNO and securing all required permits, Royal was then tasked with providing construction services. This included maintaining traffic control throughout the project, erecting and maintaining erosion control, demolition, grading and excavation, installation of sewer main and system, installation of drainage piping and system, installation of watermain and fire hydrants, installation of new asphalt road, and formation of concrete curbs and gutters. Construction was complete in November of 2018.

### Key Personnel:

Michael Pugh, Beau Tate, Shaun Tynes, Carter O'Brien



## 17. Firm Experience:

Firm Name	T. Baker Smith, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	Retainer Contract for Professional Surveying Services	Firm responsibility (prime or sub?)	Prime
Project number	4400003473	Owner's name	Louisiana DOTD
Project location	Statewide, LA	Owner's Project Manager	Joe Arretteig, P.L.S.
Owner's address, phone, email		1201 Capitol Access Rd., Baton Rouge, LA 70802 225.379.1329, joseph.arretteig@la.gov	
Services commenced by this firm (mm/yy)	07 / 2015	Total consultant contract cost (\$1,000's)	\$1,000
Services completed by this firm (mm/yy)	06 / 2016	Cost of consultant services provided by this firm (\$1,000's)	\$750

TBS was selected for a statewide surveying retainer contract in mid-2013 with the concentration of the work to be in Districts 02, 61 and 62. Under this contract, TBS performed topographic surveying, property surveys, right of way mapping, title research reports, title take offs, and title updates for LADOTD projects statewide. The limitation for fees was \$1 Million under this professional services contract, and projects were initiated via task order. TBS completed all deliverables using Microstation and Inroads as certified by CADconform. Some of the projects are listed below:

- **S.P. No. H.011289, LA 70 Bypass (Detour Route, Route LA 70), Assumption Parish** – Phase I: Topographic survey of +/- 1 Mile detour route including utilities, drainage structures and drainage maps for the LA 70 Bypass route through virgin/swampy terrain. Topographic Survey 100% complete. Phase II: Property surveys, location of property markers for properties crossed along proposed route, creation of base right of way maps for the proposed route.
- **S.P. No. H.009140.5, LA 1026 at LA 1030 Roundabout (Route LA 1026), Livingston Parish** – title take offs, title research reports, title updates, property surveys and right of way maps for roundabout project in Denham Springs, LA. Final R/W maps were transmitted in early 2015.
- **S.P. No. H.002424, Sunshine Bridge to I-10, LA 70 and LA 22, St. James and Ascension Parishes** – property surveys, right of way maps for 5 mile roadway widening project – completed property survey and awaiting NTP for base right of way maps.
- **S.P. No. H.002381.5, LA 43 Creek Bridge Near Albany (Route LA 43), Livingston Parish** – title take offs, title research reports, title updates, property surveys and right of way maps for bridge replacement project.
- **S.P. No. H.009481, Bayou Chevreuil Bridge (Route LA 20), St. James Parish** – +/- 3000 feet topographic survey of the existing roadway, bridge and channel including utility locations and drainage structures for bridge replacement project. Topographic survey 100% complete.
- **S.P. No. H.008149, Pier 1 Removal (Leeville Bridge, Route LA 1), Lafourche Parish** – Establish control and perform hydrographic surveys using multi-beam and side scan sonar for pier removal of Leeville bridge. Hydrographic survey and Task 100% complete.
- **S.P. No. H.004783, Arkansas Road (Caldwell Road LA – 143), Route LA 616, Ouachita Parish** – Topographic survey including use of Ground Penetrating Radar (GPR) to locate potential subsurface cultural/historic features for roadway project. Topographic/ GPR survey 100% Complete.
- **S.P. No. H.001439, Bridges near Grand Isle, LA 1, Lafourche and Jefferson Parishes, LA (LADOTD)** – Property surveys and right of way surveys for the removal of three bridge structures located along LA 1 in Jefferson and Lafourche Parishes near the town of Grand Isle.

### Key Personnel:

Rene Hebert, PLS



## 17. Firm Experience:

Firm Name	T. Baker Smith, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	Bayou Gardens Boulevard	Firm responsibility (prime or sub?)	Prime
Project number	07-EXT-22	Owner's name	Terrebonne Parish Consolidated Government
Project location	Terrebonne Parish, LA	Owner's Project Manager	Al Levron
Owner's address, phone, email			8026 Main Street, Houma, LA 70360 985.873.6407, allevron@tpcg.org
Services commenced by this firm (mm/yy)	03 / 2009	Total consultant contract cost (\$1,000's)	\$10,000
Services completed by this firm (mm/yy)	01 / 2017	Cost of consultant services provided by this firm (\$1,000's)	\$1,700

The Bayou Gardens Extension project was a continuation of the Bayou Gardens Extension and Widening projects (S.P. 742-05-0099 & 742-07-0019) completed by TBS in 2000, which consisted of widening the two-lane highway to four lanes with a 300-foot wide grassed median and the extension thereof. Before the project began, Bayou Gardens Blvd. formed a three-legged "Tee" intersection at LA 660 (Coteau Road). The Bayou Gardens Extension project extended this roadway to connect LA 660 with LA 316 (Bayou Blue Road) and consisted of a four-lane roadway (UA-2 classification) with a raised median. The project consisted of approximately 1.6 miles of concrete roadway and twin, seven-span, 140' long, curved, cast-in-place bridges over St. Louis Bayou. The project was divided into two phases. The first phase included constructing two of the proposed four lanes of the project and the second phase would complete the four-lane corridor. Each phase was divided into two "sub-phases" which included embankment surcharge programs from the roadway lanes being constructed. The embankment was allowed to surcharge for ten months prior to the roadway paving and bridge construction portions.

TBS completed the embankment surcharge phase for the first two lanes in August 2012 and construction was completed in November 2013. TBS completed the final design of the roadway paving and bridge phase for the first two lanes of the corridor, which was bid in mid-2014. Construction for Phase II began in 2015 and was completed in 2017. Preliminary design of the remaining two lanes of the corridor was completed during the initial design phase of the project. Included in the paving and bridge phase for the first two lanes of the corridor was approximately 4,000 linear feet of left and right turn lanes on LA 316 and LA 660 and a right turn lane along the existing Bayou Gardens Blvd. Turn lane plans included signal upgrades/relocations, utility relocation and right of way acquisition. Bayou Gardens Extension traversed two major pipeline corridors, which required extensive coordination for the relocation of these facilities.

TBS was responsible for all topographic surveying including subsurface utility engineering involved with the various utility conflicts along the corridor in general accordance with CI/ASCE 38-02 designation and location of pipelines and utilities within the roadway corridor and along the widening sections for the turn lane sections along LA 660 and LA 316. Utilities along the corridor included two natural gas pipelines, one crude oil pipeline, sewer, water, telecommunications (copper and fiber) and gas distribution. TBS provided records research, reconnaissance and survey location of above ground features of utilities, Quality Level B designation of subsurface utilities including horizontal positioning (designation used GPR, electromagnetic and other methods) and utility mapping, which was provided to the various utility owners.

TBS coordinated utility designations with utility owners and provided conceptual utility relocation designs and actual utility relocation designs of some facilities. Utility coordination continued with 3rd party relocation design coordination, cost estimates, construction quotations, as-built locations and utility reimbursement agreements between utility owners and TBS' client. Construction for Phase I of the project was completed in November 2013 and Construction for Phase II was completed in January 2017.

**Key Personnel:** Rene Hebert, PLS



## 17. Firm Experience:

Firm Name	T. Baker Smith, LLC	Past Performance Evaluation Discipline(s)*	Survey
Project name	LA 3127 Extension: LA 70 to LA	Firm responsibility (prime or sub?)	Prime
Project number	N/A	Owner's name	Ascension Parish Government
Project location	Ascension Parish, LA	Owner's Project Manager	Michael Enlow
Owner's address, phone, email		42077 Churchpoint Rd., Gonzales, LA 70737 225.450.1326, menlow@apgov.us	
Services commenced by this firm (mm/yy)	11 / 2017	Total consultant contract cost (\$1,000's)	\$1,100
Services completed by this firm (mm/yy)	12 / 2018	Cost of consultant services provided by this firm (\$1,000's)	\$945

The LA 3127 Extension project is located south of the city of Donaldsonville within Ascension Parish. The project proposes to extend LA 3127 from LA 70 to LA 1 through virgin terrain as a four-lane, divided highway in accordance with the latest LADOTD Design Guidelines. The intention of the new highway is to serve as an economic development corridor as well as a segment of a future West Bank Expressway, which would generally serve to connect I-310 in Boutte, LA to I-10 in Port Allen, LA. The roadway corridor would also be used as a bypass around Donaldsonville and is anticipated to be used heavily by truck traffic servicing the nearby existing and future industrial sites. The project also includes an approximately 180' long bridge over Bayou Lafourche that would be constructed adjacent to the existing Palo Alto bridge. The four-lane, divided highway will transition back to an existing two-lane highway beyond the intersections of LA 1 and LA 70.

TTBS served as the prime consultant for this project and is responsible for route selection, environmental, roadway and bridge design and Right of Way mapping. The environmental document prepared by TBS included wetland delineation, Phase I ESA, identification of Cultural/Historical properties - Section 106, Threatened and Endangered species, route feasibility and cost comparisons and the identification of critical utilities in conflict with the project routes. Upon completion of the route selection, TBS performed topographic surveys of the nearly five-mile virgin terrain alignment including Subsurface Utility engineering (SUE) QL B and QL A in accordance with CI/ASCE 38-02 for all utilities affected by the project alignment. QL A test holes were conducted on 21 underground pipelines which either crossed the route or were within the Right of Way of the roadway.

The SUE services were performed in strict accordance with CI/ASCE 38-02 guidelines for all utilities within 200' of either side of the roadway alignment. The SUE services extended for a distance of 1,500' beyond the roadway termini in each direction. QL D-B services were provided for all utilities within the 400' wide area of interest and QL A services were provided for any utility with a diameter greater than 4" which crossed the roadway centerline. Subsurface utilities designated as part of the SUE services included water mains, sewer force mains, sewer effluent lines, pipelines carrying various products and ranging from 6" to 30" in diameter, buried electrical services, buried telephone, buried fiber optic telephone, fiber optic television, and gas mains. In areas where records research showed no evidence of utilities, TBS swept this virgin terrain using various instruments including pipe locators and Ground Penetrating Radar (GPR) to detect any unrecorded utilities. Overall, TBS designated nearly 80,000 linear feet of subsurface utilities and performed Level A minimally invasive excavations utilizing TBS vacuum truck at 48 locations including water mains, gas mains, sewer force mains and pipelines.

TBS performed property surveys along the virgin terrain route which included seven large tracts consisting of more than 1,000 acres and several smaller tracts including batture tracts along Bayou Lafourche. The preliminary base Right of Way Maps were submitted in December 2018. All property surveys and Right of Way Mapping was produced in accordance with LADOTD Location and Survey Guidelines.

**Key Personnel:** Jean Reulet, III, PLS; Rene Hebert, PLS



## 18. Approach and Methodology:

### PROJECT INFORMATION

The purpose of this project is to construct a sidewalk on the north side of LA 316 (Bayou Blue Road) from LA 24 to St. Louis Bayou, in Gray, Louisiana. The overall project length is approximately 0.47 miles, with the first 0.1 mile consisting of mixed commercial and residential development, and the remaining 0.37 miles is residential. There are no existing pedestrian facilities within the stated project extents; however, there are existing non-ADA compliant sidewalks at the northwest and southeast quadrants of the intersection of LA 316 with LA 24 where the project starts. With the exception of this intersection which consists of concrete pavement and barrier curb construction, the remainder of Hwy 316 within the project area consists of a two-lane asphalt road with minimal shoulder width and grate inlet storm drainage directly adjacent to the roadway. Numerous obstructions exist within or in close proximity to the apparent right-of-way (R/W) including overhead electric utilities, fences, large trees and landscaping, and a few buildings. Near the project terminus at the St. Louis Bayou bridge crossing, the subsurface drainage transitions to an open ditch that drains to the bayou.

### PROJECT KICKOFF

Upon **Notice of Award (NOA)**, Royal will be ready to mobilize and initiate design services. We will start by submitting our QA/QC Plan within 10 days of NOA and proceeding to prepare an initial project schedule. We will coordinate with the DOTD Project Manager to schedule an in-person **design kickoff meeting**, which will include a site visit with DOTD, utility companies, and our surveying subconsultant T. Baker Smith, LLC (TBS) present to clarify the project limits and to identify any potential design concerns. Topics of conversation at the kickoff meeting may include:

- (1) Whether DOTD desires to upgrade the sidewalks at all quadrants of the intersection of LA 316 with LA 24 as part of this project.
- (2) Whether the intent of future sidewalk development is to utilize the existing bridge crossing at St. Louis Bayou for pedestrian connectivity or if future plans include a pedestrian bridge, and as such where DOTD would like to terminate the sidewalk for the current project.
- (3) Whether DOTD, as the entity responsible for maintaining the project, has preferences for sidewalk widths and offsets beyond the minimum design requirements defined in the DOTD Minimum Design Guidelines, Complete Streets Design Guide, and section 5.6 of the Road Design Manual.

Before proceeding with design development, Royal will prepare a Project Design Criteria Report to serve as the basis for design and deliverables.

### PRELIMINARY DESIGN

Immediately following the design kickoff meeting, Royal will engage TBS to perform the **topographic survey**. The survey will be performed in accordance with the current edition of the DOTD Location and Survey Manual using the Louisiana State Plane Coordinate System. The survey extents will extend approximately 10 ft beyond the apparent northern R/W of LA 316, unless determined otherwise at the design kickoff meeting. In accordance with the project solicitation, the topographic survey will include establishment of referenced iron rods as necessary, location and establishment of ownership of utilities, and coordination with the DOTD Location and Survey Administrator as required. The topographic survey will capture standard topographic features as well as locations and elevations of all pertinent features within the project extents such as: apparent existing R/W, drainage inlets, top of casting/covers for utilities, ditches/swales, driveways, edges of road and shoulders, fences, trees, landscaping, mailboxes, street signs, buildings in close proximity to the road, and other permanent structures. Royal will also request authorization from DOTD for TBS to initiate **Title Takeoff** services at the onset of the project.

The topographic survey will be used to produce the **30% Preliminary Plans**, which will include a title sheet, proposed typical section, and plan/profile sheets showing the topographical survey of existing conditions.

Design development will continue while the 30% plans are in review by DOTD. Royal will coordinate with DOTD to obtain as-builts and/or design plans for existing drainage infrastructure and H&H design information, if available. We will design the sidewalk vertical alignment to maintain current drainage patterns and will determine if there are any locations where sidewalk drains or other special details will be needed to maintain drainage, and design accordingly. All drainage analysis and design, if applicable, will be in accordance with the 2011 LA DOTD Hydraulics Manual. Sidewalks and driveway crossings will be designed in accordance with the criteria established by the Project Design Criteria Report, while prioritizing pedestrian safety, minimizing R/W acquisition, and satisfying all requirements of section 5.6 of the Road Design Manual, current ADA requirements, Standard Plan PED-01, and the criteria prescribed in 23 CFR 625, Design Standards for Highways.

## 18. Approach and Methodology:

The **60% Preliminary plan** set will build upon the 30% plans with the addition of horizontal and vertical alignment of the proposed sidewalk, geometric details, cross sections, and drainage plan/profile sheets if deemed applicable. At this stage, utility relocation recommendations will be developed, and a Preliminary Design Report will also be submitted. Following completion and review of 60% Preliminary plans, authorization for TBS to perform the Property Survey and start R/W Map services will be requested from the DOTD Project Manager. All Property Survey and R/W Map services will be performed in accordance with DOTD's Location and Survey Manual Addendum A.

The **90% Preliminary plans** will incorporate any comments from the previous design stage and additionally include summary sheets with tables and suggested sequence of construction. A draft of the Final Design Report will be submitted along with the Preliminary Cost Estimate and QA/QC Checklist. Royal will address comments from the 90% Preliminary review and submit/distribute 95% Preliminary plans prior to the Plan-In-Hand (PIH) meeting.

If necessary, **100% Preliminary plans** and the finalized Final Design Report will be submitted to address comments from the PIH meeting.

All required Preliminary Design deliverables will be in accordance with the LADOTD Project Delivery Manual, Electronic Deliverables requirements, and the LADOTD CAD Standards.

### FINAL DESIGN

Upon receiving environmental clearance and notice to proceed for final plans, Royal will prepare and submit **60% Final plans**. The **Base R/W Map** will also be submitted for the Joint Review. A Revised Design Report will also be provided if one or more design criteria is changed from the Final Design Report.

Following the Joint Review, the **Final R/W Maps** will be prepared and submitted for LADOTD to use in acquisition of right-of-way needed to construct the proposed sidewalks.

The **95% Advanced Check Prints (ACP)** will then be produced, incorporating all comments from the previous review. At this stage, the design will consist of a complete plan set which will have sufficient detail for construction. The ACP drawings will be accompanied by a completed QA/QC checklist, Special Provisions, and a Revised Design Report, if applicable.

The **98% Final plans** will incorporate comments from the previous review, complete with a copy of all design computations used in developing the pay quantities and the drainage design data for culverts and storm sewers, as applicable, Constructability Review Form, final QA/QC checklist, and Contract Time Worksheet, PRR Form, and SWPPP (if applicable). It is anticipated that less than 1 acre of land will be disturbed as a result of construction of this project and, as such, the LPDES permit requirements are not applicable. Should the total disturbed area for the project be determined to be greater than 1 acre, site-specific erosion and sediment control plans and a SWPPP will be prepared in accordance with the LA DOTD Erosion Control Guidelines. The 98% Final plans will be reviewed to ensure all comments have been incorporated and to assure quality before production of final, stamped plans.

The **100% Final plans** will consist of the final, signed and stamped design drawings, ready to be used for letting and construction.

All required Final Design documents will be delivered in accordance with the schedule set forth by the DOTD Project Manager and will be in accordance with the LADOTD Project Delivery Manual, Electronic Deliverables Requirements, LADOTD CAD Standards, and all other size, formatting, and quality standards adopted by DOTD.

### CONSTRUCTION SUPPORT

Once the project proceeds to construction, Royal will remain ready to provide as-needed engineering support throughout the duration of construction. We understand this will include reviewing and addressing all RFIs concerning plan & specification clarifications, providing construction on-call support, assisting DOTD with meetings upon request, and delivering requested minor design changes and corrections. Royal routinely provides engineering support during construction for our design projects, and additionally frequently provides additional services such as resident inspection and complete construction management services. As such, we are equipped to provide the required support and respond to all requests in a timely manner.

## 18. Approach and Methodology:

### CAD REQUIREMENTS

Royal understands that LA DOTD has detailed Software and Deliverable Standards for Electronic Plans, including the use of MicroStation to produce Final Design deliverables. Royal will upload (or check in) electronic deliverables in to DOTD ProjectWise at each plan delivery milestone, in accordance with the electronic deliverable requirements. CADconform will be used to ensure deliverables meet the LA DOTD standards and to certify that the plans are in 100% compliance by submission of 60% Final Plans.

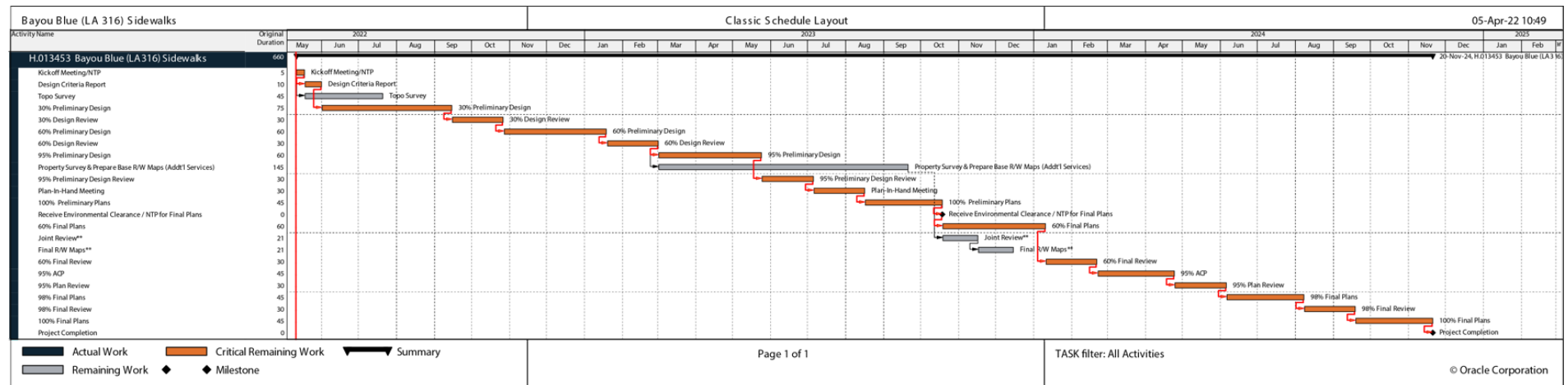
### TEAM PERFORMANCE HISTORY

Additionally, Royal has a long-standing relationship working with TBS, as demonstrated by the Polly Lane Extension and Camellia Boulevard/Settlers Trace Boulevard Turn Lanes road design projects. These projects notably involved the design of sidewalks by Royal and topographic survey, boundary survey, and R/W map preparation by TBS, similar to Bayou Blue Sidewalks project. Royal and TBS have worked together and are currently working together on numerous other projects throughout Louisiana including a disaster recovery project in Cameron Parish involving topographic and bathymetric surveying and construction staking services and a marsh creation project in St. Tammany Parish requiring topographic and hydrographic surveying.

TBS's familiarity with the project area from their past experience on the Bayou Gardens Boulevard project, which is in close proximity to the current project area and included intersection improvements on LA 316, will be valuable in locating and identifying ownership of utilities within the project extents. Their successful performance on numerous statewide projects for LA DOTD demonstrates their familiarity with DOTD's Location and Survey Manual, quality control requirements, CAD standards, and deliverable requirements which will be beneficial in completing the project on time, within budget, and to a high standard of quality.

### CAPACITY TO DELIVER

The normal workload for Royal is 30-50 concurrent, ongoing projects, each with project resource capacities easily being met. The program execution team presented herein is poised to begin work and is supported by a combined staff of over 40+ people. As such, we offer our assurance that we can and will provide the professional services required by the project advertisement immediately upon request. We have proven the capacity to scale and mobilize sufficient resources. As a small business delivering large-scale work, our resourcing strategy includes weekly measurement (and as needed, adjustment) of project commitments, available resources, and the resulting project task assignments. All project delivery plans target ahead-of-schedule milestones to accommodate resource adaptability needs. A schedule summarizing Royal's plan to complete the project ahead of the 720 day estimated project duration is provided below.



19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
Royal	N/A	N/A	N/A	N/A

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
T. Baker Smith, LLC	CE&I/OV	H.004113	LA 3241: LA 435 to LA 40/41	\$102,556
T. Baker Smith, LLC	CE&I/OV	H.011152	I-12: US 190 to LA 59	\$70,805
T. Baker Smith, LLC	Road	H.001344	US 190: LA 437 - US 190 BUS (PH1)	\$11,324
T. Baker Smith, LLC	Bridge	H.001344	US 190: LA 437 - US 190 BUS (PH1)	\$6,069
T. Baker Smith, LLC	Road	H.012812	US 190 at Northshore and Camp Villere	\$100,401
T. Baker Smith, LLC	Road	H.013942	LA 9: Middle Fork Bayou and Creek Bridges	\$3,037
T. Baker Smith, LLC	Bridge	H.013942	LA 9: Middle Fork Bayou and Creek Bridges	\$3,981
T. Baker Smith, LLC	Road	H.013979	LA 518, Local: Bridges Near Athens	\$11,958
T. Baker Smith, LLC	Bridge	H.013979	LA 518, Local: Bridges Near Athens	\$16,286
T. Baker Smith, LLC	Environmental	H.013979	LA 518, Local: Bridges Near Athens	\$1,990
T. Baker Smith, LLC	Road	H.013988	LA 534: Bridges (LA 2 to Haynesville)	\$45,300
T. Baker Smith, LLC	Bridge	H.013988	LA 534: Bridges (LA 2 to Haynesville)	\$21,234
T. Baker Smith, LLC	Environmental	H.013988	LA 534: Bridges (LA 2 to Haynesville)	\$3,488

**19. Workload:**

<b>Firm(s)</b>	<b>Past Performance Evaluation Discipline(s)*</b>	<b>State Project Number</b>	<b>Project Name</b>	<b>Remaining Unpaid Balance**</b>
T. Baker Smith, LLC	Survey	H.013988	LA 534: Bridges (LA 2 to Haynesville)	\$6,166
T. Baker Smith, LLC	Road	H.013987	LA 521: Bridges Near Dykesville	\$1,172
T. Baker Smith, LLC	Bridge	H.013987	LA 521: Bridges Near Dykesville	\$377
T. Baker Smith, LLC	Road	H.013986	LA 155: Bridges Near Coushatta	\$27,961
T. Baker Smith, LLC	Bridge	H.013986	LA 155: Bridges Near Coushatta	\$18,148
T. Baker Smith, LLC	Survey	H.013986	LA 155: Bridges Near Coushatta	\$5,167
T. Baker Smith, LLC	Environmental	H.013986	LA 155: Bridges Near Coushatta	\$4,578
T. Baker Smith, LLC	Road	H.013995	LA 507, LA 514, Local: Bayou and CR BRS	\$79,601
T. Baker Smith, LLC	Bridge	H.013995	LA 507, LA 514, Local: Bayou and CR BRS	\$39,622
T. Baker Smith, LLC	Environmental	H.013995	LA 507, LA 514, Local: Bayou and CR BRS	\$16,757
T. Baker Smith, LLC	Road	H.013990	LA 132: Bridges Near Mangham	\$37,309
T. Baker Smith, LLC	Bridge	H.013990	LA 132: Bridges Near Mangham	\$26,002
T. Baker Smith, LLC	Environmental	H.013990	LA 132: Bridges Near Mangham	\$7,224
T. Baker Smith, LLC	Road	H.013992	LA 151: Creek and Relief Bridges	\$21,044
T. Baker Smith, LLC	Bridge	H.013992	LA 151: Creek and Relief Bridges	\$9,681
T. Baker Smith, LLC	Environmental	H.013992	LA 151: Creek and Relief Bridges	\$5,065
T. Baker Smith, LLC	Road	H.013199	Country Estates Dr. Over St. Louis Bayou	\$750
T. Baker Smith, LLC	Bridge	H.013199	Country Estates Dr. Over St. Louis Bayou	\$799

**19. Workload:**

<b>Firm(s)</b>	<b>Past Performance Evaluation Discipline(s)*</b>	<b>State Project Number</b>	<b>Project Name</b>	<b>Remaining Unpaid Balance**</b>
T. Baker Smith, LLC	Road	H.013080	Pine Bluff Rd. & Tack Allen Road Bridges	\$600
T. Baker Smith, LLC	Bridge	H.013080	Pine Bluff Rd. & Tack Allen Road Bridges	\$678
T. Baker Smith, LLC	Road	H.014271	LA 537: Bridges Near Plain Dealing	\$109,185
T. Baker Smith, LLC	Bridge	H.014271	LA 537: Bridges Near Plain Dealing	\$59,620
T. Baker Smith, LLC	Environmental	H.014271	LA 537: Bridges Near Plain Dealing	\$29,055
T. Baker Smith, LLC	Road	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	\$100,010
T. Baker Smith, LLC	Bridge	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	\$40,746
T. Baker Smith, LLC	Survey	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	\$36,386
T. Baker Smith, LLC	Environmental	H.014218	LA 2A: Thorny Branch & Indian Creek Brs	\$27,633
T. Baker Smith, LLC	Road	H.014219	LA 507: Creek Bridges Near Simsboro	\$112,762
T. Baker Smith, LLC	Bridge	H.014219	LA 507: Creek Bridges Near Simsboro	\$70,031
T. Baker Smith, LLC	Environmental	H.014219	LA 507: Creek Bridges Near Simsboro	\$31,340
T. Baker Smith, LLC	Road	H.014222	LA 516: Poland Branch Bridge	\$42,533
T. Baker Smith, LLC	Bridge	H.014222	LA 516: Poland Branch Bridge	\$17,051
T. Baker Smith, LLC	Environmental	H.014222	LA 516: Poland Branch Bridge	\$8,416
T. Baker Smith, LLC	Road	H.014225	LA 528: Clark Bayou Bridge	\$41,630
T. Baker Smith, LLC	Bridge	H.014225	LA 528: Clark Bayou Bridge	\$37,601
T. Baker Smith, LLC	Survey	H.014225	LA 528: Clark Bayou Bridge	\$8,696

**19. Workload:**

<b>Firm(s)</b>	<b>Past Performance Evaluation Discipline(s)*</b>	<b>State Project Number</b>	<b>Project Name</b>	<b>Remaining Unpaid Balance**</b>
T. Baker Smith, LLC	Environmental	H.014225	LA 528: Clark Bayou Bridge	\$9,360
T. Baker Smith, LLC	Road	H.014228	LA 159: Bridges Near Shongaloo	\$152,329
T. Baker Smith, LLC	Bridge	H.014228	LA 159: Bridges Near Shongaloo	\$48,627
T. Baker Smith, LLC	Environmental	H.014228	LA 159: Bridges Near Shongaloo	\$45,165
T. Baker Smith, LLC	Road	H.014231	LA 153: Topy Creek Relief & Drain Brs	\$173,674
T. Baker Smith, LLC	Bridge	H.014231	LA 153: Topy Creek Relief & Drain Brs	\$92,526
T. Baker Smith, LLC	Environmental	H.014231	LA 153: Topy Creek Relief & Drain Brs	\$37,647
T. Baker Smith, LLC	Road	H.014233	LA 160: Cypress Bayou and Relief Bridges	\$55,082
T. Baker Smith, LLC	Bridge	H.014233	LA 160: Cypress Bayou and Relief Bridges	\$38,972
T. Baker Smith, LLC	Environmental	H.014233	LA 160: Cypress Bayou and Relief Bridges	\$24,215
T. Baker Smith, LLC	Road	H.014236	LA 3008: Bridges Near Cotton Valley	\$279,436
T. Baker Smith, LLC	Bridge	H.014236	LA 3008: Bridges Near Cotton Valley	\$134,417
T. Baker Smith, LLC	Environmental	H.014236	LA 3008: Bridges Near Cotton Valley	\$58,391
T. Baker Smith, LLC	Road	H.014238	LA 818: Barnet Springs & Creek Bridges	\$97,944
T. Baker Smith, LLC	Bridge	H.014238	LA 818: Barnet Springs & Creek Bridges	\$64,930
T. Baker Smith, LLC	Environmental	H.014238	LA 818: Barnet Springs & Creek Bridges	\$25,811
T. Baker Smith, LLC	Road	H.014239	LA 589: Lyon Bayou Bridge	\$70,789
T. Baker Smith, LLC	Bridge	H.014239	LA 589: Lyon Bayou Bridge	\$30,472

## 19. Workload:

Firm(s)	Past Performance Evaluation Discipline(s)*	State Project Number	Project Name	Remaining Unpaid Balance**
T. Baker Smith, LLC	Survey	H.014239	LA 589: Lyon Bayou Bridge	\$22,534
T. Baker Smith, LLC	Environmental	H.014239	LA 589: Lyon Bayou Bridge	\$16,338
T. Baker Smith, LLC	Road	H.014264	LA 556: Bridges Near Choudrant	\$279,386
T. Baker Smith, LLC	Bridge	H.014264	LA 556: Bridges Near Choudrant	\$175,703
T. Baker Smith, LLC	Environmental	H.014264	LA 556: Bridges Near Choudrant	\$1
T. Baker Smith, LLC	Other	H.003931	Calcasieu River Bridge	\$530,440
T. Baker Smith, LLC	Other	H.014670	LA 1270: LA 77 to End of Control Section	\$19,840
T. Baker Smith, LLC	Other	H.014747.5	Southern University Ravine Protection	\$25,602
T. Baker Smith, LLC	Survey	H.009892	LD RR (New Iberia) US 90 FR - Task Order No. 1	\$68,238.00

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

\*\*Round to the nearest dollar. **Do not** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

## 20. Certifications/Licenses:


Michael Pugh

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Michael Leon Pugh Jr.</b>	
License/Certificate Type - Number	Expiration Date
PE.0030911	03/31/2024
Status: <b>Active</b>	

Beau Tate

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Beau Joseph Tate</b>	
License/Certificate Type - Number	Expiration Date
PE.0030990	03/31/2024
Status: <b>Active</b>	


Billy Fontenot

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. William Dean Fontenot Jr.</b>	
License/Certificate Type - Number	Expiration Date
PE.0041036	03/31/2023
Status: <b>Active</b>	


Katherine Foreman

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Ms. Katherine Ann Foreman</b>	
License/Certificate Type - Number	Expiration Date
PE.0046031	03/31/2024
Status: <b>Active</b>	

Brennon Bourgeois

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Brennon Eldredge Bourgeois</b>	
License/Certificate Type - Number	Expiration Date
EI.0034870	09/30/2023
Status: <b>Active</b>	

Jean Reulet

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Jean Louis Reulet III</b>	
License/Certificate Type - Number	Expiration Date
PLS.0005145	03/31/2024
Status: <b>Active</b>	

Rene Hebert

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Rene James Hebert</b>	
License/Certificate Type - Number	Expiration Date
PLS.0005070	03/31/2024
Status: <b>Active</b>	

Beau Crochet

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Beau Laughlin Crochet</b>	
License/Certificate Type - Number	Expiration Date
LSI.0000663	09/30/2022
Status: <b>Active</b>	

Carter O'Brien

 <p>LOUISIANA PROFESSIONAL ENGINEERING &amp; LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com</p>	
<b>Mr. Alec Carter O'Brien</b>	
License/Certificate Type - Number	Expiration Date
PE.0043647	03/31/2024
Status: <b>Active</b>	

## 20. Certifications/Licenses:

William Fontenot, Jr.



Carter O'Brien



Thomas L. Ervin  
Traffic Doc, LLC  
269 Evangeline Drive  
Mandeville, LA 70471-1894  
Phone 985-373-0534

December 17, 2021

To Whom It May Concern,

This is to verify that the below listed employee of Royal Engineers & Consultants has successfully completed ATSSA traffic control training courses in Baton Rouge, LA as described below:

LA Specific Traffic Control Technician (TCT) 12-14-21 - William Fontenot, Jr.


LA Specific Traffic Control Supervisor (TCS) - 12-15/16-21 - William Fontenot, Jr.

This letter will serve as temporary proof of successful course completion until the above listed employee receives his official certificates from the American Traffic Safety Services Association (ATSSA).

The TCT course is equivalent to 8 PDH's and the TCS course is 16 PDH's.

Should there be any questions regarding the above, please contact the undersigned at the above captioned address.

Best Regards,

  
Thomas L. "Tom" Ervin - ATSSA Master Instructor

21. QA/QC Plan and/or Work Plan:

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22. Subconsultant information:

<b>Firm Name</b> (as registered with Louisiana's Secretary of State)	<b>Address</b>	<b>Point of Contact and Email Address</b>	<b>Phone Number</b>
T. Baker Smith, LLC	1100 South Acadia Road Thibodaux, LA 70301	Jean Reulet, III, PLS jean.reulet@tbsmith.com	985.493.2953

23. Location:

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