

ENGINEERING AND RELATED SERVICES

September 3, 2025

Contract No.: 4400032994

State Project No.: H.012295.5

Federal Aid Project No.: H012295

CONTRACT FOR:

LA 182 New Iberia Sidewalks

Route: LA 182

Iberia Parish

NEW IBERIA

PRESENTED TO:



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT

SUBMITTED BY:

Royal Engineers and Consultants, LLC

1501 Religious Street, Suite C

New Orleans, LA 70130

www.royal.us

504.283.9400



September 3, 2025

Department of Transportation and Development Consultant Contract Services Administrator
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802-4438
DOTDConsultantAds80@la.gov

Contract No.: 4400032994
State Project No.: H.012295.5
Federal Aid Project No.: H012295
Contract for: LA 182 New Iberia Sidewalks Route: LA 182
Parish: Iberia



Dear Consultant Selection Committee,

Royal Engineers and Consultants, LLC (Royal) respectfully requests your consideration of the enclosed proposal in response to the Louisiana Department of Transportation and Development (DOTD) advertisement for Engineering and Related Services for the LA 182 New Iberia Sidewalks design project. Since 2005, Royal has delivered multi-disciplinary professional engineering design for industry, government, and the private sector across the Gulf Coast. Royal has provided engineering and related services for complex roadway and infrastructure programs throughout Louisiana, totaling more than \$2 billion, and our engineering design professionals are extremely familiar with sidewalk design challenges.

Our engineering design group is based out of our Lafayette office, which is within 25 miles of the project location. In addition, our design professionals are very familiar with the local infrastructure and public officials in Iberia Parish, as the Iberia Parish Government, the Iberia Soil and Water Conservation District, and the Iberia Parish Airport Authority are all current or former clients. We are an ideal partner for this sidewalk design project because of our working knowledge of the area. Royal has delivered design plans and specifications for roadway rehabilitations, new road construction, sidewalks, roundabouts, pedestrian access, ADA compliance, bridges and water control structures over the last eight years in and around Iberia Parish.

In addition, we have partnered with La Terre Engineering, LLC, a Louisiana Disadvantaged Business Enterprise (DBE), for Quality Assurance/Quality Control services on all design deliverables.

We appreciate the opportunity to respond and look forward to working with DOTD. Please direct communication to our Primary Point of Contact, Katherine Foreman, P.E., by phone at (337) 456-5351 or via email at kforeman@royal.us.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Pugh".

Michael Pugh, P. E., President
Royal Engineering and Consultants, LLC



DOTD FORM: 24-102 PROPOSAL TO PROVIDE CONSULTANT SERVICES

(Revised August 11, 2025)

1. Contract Name	Contract for LA 182 New Iberia Sidewalks Route: LA 182	
2. Contract Number(s)	4400032994	
3. State Project Number(s)	H.012295.5	
4. Prime Consultant Name	Royal Engineers and Consultants, L.L.C.	
5. Prime Consultant License Number	EF.0003328	
6. Prime Consultant Mailing Address	1501 Religious Street, Suite C, New Orleans, LA 70130	
7. Prime Consultant Physical Address	1501 Religious Street, Suite C, New Orleans, LA 70130	
8. Name, Title, Phone Number, and Email Address	Katherine Foreman, P.E., Project Engineer, 337.456.5351, kcastille@royal.us.	
9. Name, Title, Phone Number, and Email Address	Michael Pugh, P.E., President, 504.283.9400, mpugh@royal.us	
<p>10. This is to certify that all information contained herein is accurate/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/agrees that the following information is correct: In preparing a response, the proposer has considered all proposals submitted from qualified, potential subcontractors/suppliers, and has not, in the solicitation selection/commercial treatment of any subcontractor/supplier, refused to transact/terminate business activities, taken other actions intended to limit commercial relations with person/entity that is engaging in commercial transactions in Israel/Israeli-controlled territories, with specific intent to accomplish a boycott/divestment of Israel. The proposer also has not retaliated against any person/entity for reporting such refusal, termination, or commercially limiting actions DOTD reserves the right to reject the response of the bidder/proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on a false response. Pursuant to Act No. 581 of the 2024 Louisiana Legislature Regular Session, proposer further certifies that it does not have a practice, policy, guidance, or directive that discriminates against a firearm entity or firearm trade association based solely on the entity's or association's status as a firearm entity or firearm trade association. In addition, proposer certifies it will not discriminate against a firearm entity or firearm trade association during the term of the contract based solely on the entity's or association's status as a firearm entity or firearm trade association.</p>	 <p>Signature above shall be the same person listed in Section 9:</p> <p>Date: September 3, 2025</p>	
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): La Terre Engineering LLC	Firm(s)' %: 4%

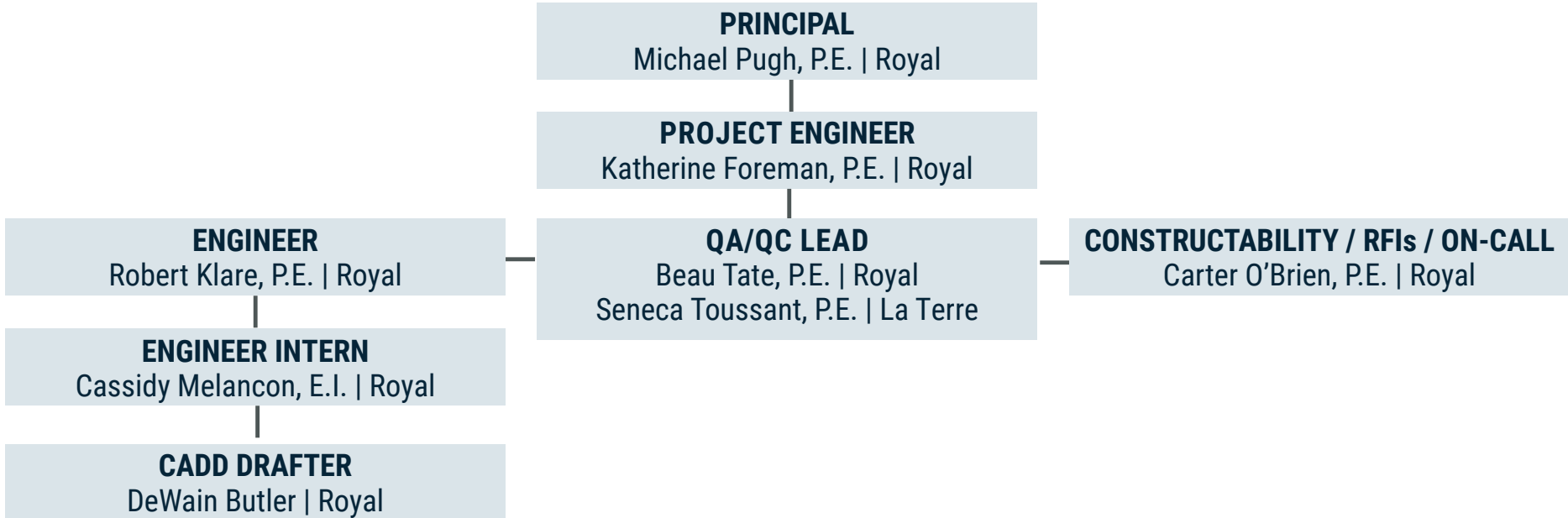
12. Discipline Table

DISCIPLINE(S)	% OF OVERALL CONTRACT	ROYAL ENGINEERS AND CONSULTANTS, LLC	LA TERRE ENGINEERING, LLC	EACH DISCIPLINE MUST TOTAL 100%
Road	100%	96%	4%	100%
<i>Identify the percentage of work for the overall contract to be performed by the prime consultant and each sub-consultant.</i>				
Percent of Contract	100%	96%	4%	100%

13. Team Size

FIRM NAME	DOTD JOB CLASSIFICATION	PERSONNEL COMMITTED TO THIS CONTRACT	ALL PERSONNEL AVAILABLE IN THIS DOTD JOB CLASSIFICATION
Royal Engineers and Consultants, L.L.C.	Engineer	3	8
	Engineer Intern	1	4
	Supervisor - Eng	1	4
	CADD Drafter	1	2
La Terre Engineering LLC	Principal	1	2
	Engineer	1	1


14. Organizational Chart



15. Minimum Personnel Requirements

MPR	PERSONNEL MEETING MPR	FIRM	LICENSE & DISCIPLINE MEETING MPR/CERTIFICATION & NUMBER	STATE OF LICENSE	EXPIRATION DATE
1	Michael Pugh, P.E.	Royal	P.E. 0030911 Professional Engineer, Civil	LA	3-31-2026
2	Katherine Foreman, P. E.		P.E. 0046031 Professional Engineer, Civil	LA	3-31-2026
3	Beau Tate, P. E.		P.E. 0030990 Professional Engineer, Civil	LA	3-31-2026

16. Staff Experience

NAME: Michael Pugh, P.E.	TITLE: Principal	FIRM EMPLOYED BY: Royal Engineering and Consultants, LLC		
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 20		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 8		
DEGREE(S) / YEARS / SPECIALIZATION: BS / 1997 / Civil Engineering				
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 30911 / LA / 3-31-2026		YEAR REGISTERED: 2003	DISCIPLINE: Civil	
CONTRACT ROLE(S)/BRIEF DESCRIPTION OF RESPONSIBILITIES: Principal (MPR 1) / Project Oversight and Governance				
EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>			
28 Years of Experience	Mr. Pugh has 28 years of experience in designing roads, bridges, canal crossings, drainage infrastructure, subsurface utility, sidewalks, and pedestrian facilities. Mr. Pugh also has extensive experience in oversight of Construction Engineering & Inspection (CE&I) functions of small- and large-scale roadway and bridge repair and replacement projects.			
05/23 – Ongoing <i>Featured Project</i>	West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009 Principal. Provided oversight and project governance for an engineering design of a bridge, replacing an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish, which is off the State Highway System. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.			
08/15 – 05/22 <i>Featured Project</i>	Magistrate Street at Corrine Canal St. Bernard Parish, LA Principal. Responsible for engineering design for repairs, restorations and/or replacement of bridge to its Pre-Katrina condition while preserving the historical value and original intent of the facility. Replaced existing culverts with precast Con-Span structures. Bridge design replaced the preexisting two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span, precast concrete structure.			
08/15 – 02/20	Gallo Drive Bridge at Arpent Canal St. Bernard Parish, LA Principal. Responsible for oversight of design and CE&I services for this project, which replaced the Gallo Drive at 20 Arpent Canal Bridge in St. Bernard Parish. The Gallo Drive Bridge scope included a full replacement of the existing two (2) – 60" concrete pipe culverts with a 26'-0" wide clear span, precast concrete structure.			
02/12 – 04/15	Plaza / Arpent Bridge St. Bernard Parish, LA Principal. Royal performed design and construction management services for the replacement of the Plaza /Arpent bridge. The existing culvert configuration was found to be inadequate to handle the increased flow of water during major rain events. The new bridge is 52 ft x 32 ft, and included removal and replacement of 400 sy of roadway pavement, 1250 ft concrete piles; and installation of 56 feet of concrete pipe, over 100 LF of guard rail, a handicap ramp, 5" rollover, 6" and 8" barrier concrete curb, and 190 LF of handrail.			

<p>12/10 – 01/17</p>	<p>Streetcar Expansion Program Construction Management New Orleans Regional Transit Authority Principal Engineer. Responsible for all CE&I deliverables. Construction Management/CE&I services for installation of 14,400 track ft. of continuously welded rail at half grand union at Canal/N. Rampart, embedded double cross over at Frenchman/Elysian Fields, traction powered substation, overhead catenary system, refurbishment of over 40 historic light poles, utility relocation/upgrades, and road milling/repaving.</p>
<p>11/10 – 08/11</p>	<p>Bloski Avenue Extension U.S. Naval Facilities Engineering Command Southeast in Belle Chasse, LA Principal Engineer. Responsible for all CE&I deliverables. Construction Management of 1,300 ft. asphalt roadway, sidewalks, concrete driveways, solar street lighting, and storm-water drainage infrastructure. Development and maintenance of the Stormwater Pollution Prevention Plan (SWPPP), Environmental Protection Plan (EPP), Health & Safety Plan (HASP), and Accident Prevention Plan (APP). Mr. Pugh reduced NAVFAC's projected costs by approximately \$800,000 and reduced the project schedule by 50 days.</p>
<p>03/07 – 10/19</p>	<p>Roadway Restoration Project St. Bernard Parish Principal Engineer. Lead Design Engineer and primary technical resource for RFIs, Change Orders, Estimates/Pay Apps. Engineering Design and Construction Management for restoration of all concrete/asphalt roadways and associated infrastructure (sidewalks, driveways, drainage, sewer, and water systems), that suffered damage during Hurricane Katrina. Design, bidding, and construction management of 178 roadways with a nearly \$60 million construction value.</p>
<p>04/19 – 05/24</p>	<p>East Hardy Bridge Design and Replacement Hattiesburg, MS Principal. Served as QA/QC Lead. Mr. Pugh participated in Design Reviews and served as Civil Engineering Subject Matter Expert. Provided 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 Hattiesburg, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund.</p>
<p>02/15 – 09/23</p>	<p>Missouri Street at Corinne Canal St. Bernard Parish, LA Principal. Oversight and technical review of design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Missouri at Corrine Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing two (2) – 60" corrugated metal pipe culverts with a 26'-0" wide 72'-0" long clear span, precast concrete structure.</p>

NAME: Katherine Foreman, P.E.	TITLE: Engineer	FIRM EMPLOYED BY: Royal Engineers and Consultants, LLC		
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 8		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 / 3-31-2026		YEAR REGISTERED: 2021	DISCIPLINE: Civil	
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer (MPR 2) / Project Engineer, Design Lead				



EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
8 Years of Experience	<p>Ms. Foreman has 8 years of experience in civil engineering design on project types including roadways, bridges, bridge approaches, 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 DOTD design manuals and specifications, ADA requirements, and AASHTO standards. She can use various software packages for H and H design and analysis such as HEC-HMS, HEC-RAS, DOTD HYDR programs, HY8, and Autodesk Storm and Sanitary Analysis. Ms. Foreman has significant experience preparing plans and specifications to meet DOTD standards, Unified Facilities Criteria (UFC), and local municipal codes.</p> <p>CERTIFICATIONS: Traffic Control Supervisor, Traffic Control Technician, LPA CE&I (Parts 1-9)</p>
05/23 – Ongoing <i>Featured Project</i>	<p>West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009</p> <p>Engineer of Record. Provided engineering and related services required to develop plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish, which is off the State Highway System. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. The proposed structure will tie-in to the existing concrete lined Suburban Canal.</p>
08/15 - 01/22 <i>Featured Project</i>	<p>Iberia Street Sidewalks Youngsville, LA</p> <p>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.</p>
08/15 – 11/21 <i>Featured Project</i>	<p>Polly Lane Extension Lafayette Consolidated Government</p> <p>Engineer Intern. Provided engineering design for the connection of both dead-end streets of Polly Lane. The approximate length of the new roadway is 1,080 linear feet and the length of improvements to existing roadway is 930 linear feet. Provided engineering design, analyses, and construction management for connection of both dead-end streets of Polly Lane and storm drainage system design.</p>

<p>12/17 – 02/22 <i>Featured Project</i></p>	<p>Camellia – Settlers Trace Turn Lane Lafayette Consolidated Government Civil Engineer. Provided engineering and design support for the addition of a right and left turn lane at the intersection of Camellia Blvd. and Settlers Trace Boulevard in Lafayette, Louisiana. Design included engineering design and analyses, drainage system evaluation, identifying modifications to drainage system, and utilities coordination and relocation.</p>
<p>9/18 - 1/22 <i>Featured Project</i></p>	<p>Magistrate Street at Corrine Canal St. Bernard Parish, LA Engineer Intern. The Magistrate Street at Corrine Canal Bridge consisted of a Hazard Mitigation project to replace the preexisting two (2) – 60” corrugated metal pipe culverts with a 26’-0” wide, 72’-0” long clear span, precast concrete structure. Responsible for hydraulic analysis, site layout and grading, foundation design, wingwall design, and coordinating development of plans. During construction, responsibilities included submittal reviews (pile loads and con-span wingwall), engineering design for repairs, restorations and/or replacement of bridge to its Pre-Katrina condition while preserving the historical value and original intent of the facility.</p>
<p>3/18 - 10/19</p>	<p>Gallo Drive Bridge at Arpent Canal St. Bernard Parish, LA Engineer Intern. Responsible for the design for this project, which replaced the Gallo Drive at 20 Arpent Canal Bridge in St. Bernard Parish. The Gallo Drive Bridge scope included a full replacement of the existing two (2) – 60” concrete pipe culverts with a 26’-0” wide clear span, precast concrete structure.</p>
<p>04/18 - 02/23</p>	<p>Missouri Street at Corinne Canal St. Bernard Parish, LA Engineer Intern. Provided engineering services for repairs/restorations/replacement of bridge, replacing culvert with a pre-cast Con-Span structure, performing hydraulic analysis, site layout/grading, foundation/wingwall design, plan coordination, and submittal reviews.</p>
<p>11/20 – 06/24</p>	<p>Indian Creek Low Water Crossing Fort Polk, LA Project Manager / Engineer of Record. Led 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.</p>
<p>06/15 – 06/17</p>	<p>City of Youngsville Engineering Design Youngsville, LA Engineer Intern. Performed design, bidding, and construction management support for the rehabilitation of Détente Road and new construction of Mayor Lucas Denais Drive.</p>

NAME: Beau Tate, P.E. **TITLE:** Senior Engineer **FIRM EMPLOYED BY:** Royal Engineers and Consultants, LLC

YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 17 **YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S):** 10

DEGREE(S) / YEARS / SPECIALIZATION: BS / 1998 / Environmental Engineering, Minor- Civil Engineering

ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 30990 / LA / 3-31-2026 **YEAR REGISTERED:** 2004 **DISCIPLINE:** Civil

CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Supervisor-Eng (MPR 3) / QA/QC Lead



EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
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27 Years of Experience	Mr. Tate is a Senior Engineer with a long career in infrastructure design. Mr. Tate has been the Engineer of Record on numerous projects involving asphalt and concrete road design, bridges and canal crossings, low water crossings, sidewalks, flood control structures, commercial and residential site design, foundation design, and retaining walls.
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05/23 – Ongoing <i>Featured Project</i>	West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009 Supervisor-Eng. Served as QA/QC Lead for the design of a replacement an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. The proposed structure will tie-in to the existing concrete lined Suburban Canal.
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08/15 - 01/22 <i>Featured Project</i>	Iberia Street Sidewalks Youngsville, LA Engineer of Record. 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.
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12/17 - 02/22 <i>Featured Project</i>	Camellia/Settlers Trace Turn Lane Lafayette, LA Engineer of Record. Provided 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.
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08/15 - 11/21 <i>Featured Project</i>	Polly Lane Extension Lafayette, LA Engineer of Record. Design services and oversight for the extension and connection of both existing deadend streets of Polly Lane, inclusive of roadway reconstruction and widening to its existing section to Verot School Road. 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.
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<p>08/15 – 02/20 <i>Featured Project</i></p>	<p>Gallo Drive Bridge at Arpent Canal St. Bernard Parish, LA Engineer of Record. Responsible for the design for this project, which replaced the Gallo Drive at 20 Arpent Canal Bridge in St. Bernard Parish. The Gallo Drive Bridge scope included a full replacement of the existing two (2) – 60” concrete pipe culverts with a 26’-0” wide clear span, precast concrete structure.</p>
<p>08/15 – 05/22</p>	<p>Magistrate Street at Corrine Canal St. Bernard Parish, LA Engineer of Record. The Magistrate Street at Corrine Canal Bridge consisted of a Hazard Mitigation project to replace the preexisting two (2) – 60” corrugated metal pipe culverts with a 26’-0” wide, 72’-0” long clear span, precast concrete structure. Responsible for hydraulic analysis, site layout and grading, foundation design, wingwall design, and coordinating development of plans. During construction, responsibilities included submittal reviews (pile loads and con-span wingwall), engineering design for repairs, restorations and/or replacement of bridge to its Pre-Katrina condition while preserving the historical value and original intent.</p>
<p>04/19 - 05/24</p>	<p>East Hardy Bridge Design and Replacement Hattiesburg, MS Engineer. Provided oversight for bridge and roadway design efforts including layout, specifications and probable cost. The existing East Hardy Street Bridge is a two-lane bridge located on the Leaf River in Hattiesburg, MS that was identified for replacement through the Emergency Road and Bridge Repair Fund.</p>
<p>11/20 – 06/24</p>	<p>Indian Creek Low Water Crossing and Road Repairs Fort Polk, LA Senior Engineer. Oversight of design of gravel roadways and repairs and hydraulic analysis of low water crossing for a Design-Build project for the U.S. Army Corps of Engineers (USACE) located near Fort Polk, LA. The project restored and widened approximately 2.4 miles of the existing Sagebrush Road and will include construction of a 1.2 mile new roadway and low water crossing structure to provide connectivity across Indian Creek. Project features included an aggregate roadway and road base, open ditch drainage, reinforced concrete culvert crossing, reinforced concrete low water crossing structure, object markers and signage, and gates.</p>
<p>02/15 - 11/16</p>	<p>Paul Drive at 20 Arpent Canal St. Bernard Parish, LA Engineer. Supported design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Paul Drive at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing three (3) – 72” Concrete Pipe Culverts with a 28’-0” wide 64’- 0” long clear span, precast concrete structure.</p>
<p>02/15 - 02/20</p>	<p>Mumphrey Road at 20 Arpent Canal St. Bernard Parish, LA Engineer of Record. Led design for repairs, restorations and/or replacement of a Parish-owned roadway and canal crossing with a precast Con-Span structure. The Mumphrey Rd at 20 Arpent Canal Crossing consisted of a Hazard Mitigation project to replace the pre-existing two (2) – 60” Concrete Pipe Culverts with a 26’-0” wide 72 clear span, precast concrete structure.</p>
<p>04/14 – 05/15</p>	<p>Vie Terre Beau Bridge Repair Acadia Parish, LA Engineer of Record. Royal performed damage assessments and provided engineering design, surveying, bidding, and construction phase services to restore the Vie Terre Beau Bridge at Bayou Nezpique.</p>

NAME: Alec Carter O'Brien, PE	TITLE: Supervising Engineer	FIRM EMPLOYED BY: Royal Engineers and Consultants, LLC
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 5	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 10	
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2013 / Civil Engineering		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 43647 / LA / 3-31-2026		YEAR REGISTERED: 2019 DISCIPLINE: Civil
CONTRACT ROLE(S): Engineer / Constructability, RFIs, On-Call Construction Support		



EXPERIENCE DATES	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT
15 Years of Experience	Mr. O'Brien is a licensed Engineer with 15 years of heavy civil, roadway, drainage, and bridge construction management and design experience. Mr. O'Brien has led, from Project Kickoff to Closeout, dozens of CE&I and Construction Management projects for DOTD, FEMA, the Port of New Orleans, and various municipalities. He has extensively worked in structural concrete, asphalt paving, PCCP, catch basins, drainage, and sidewalk projects. CERTIFICATIONS: AMPP Basic Coatings Level 1, LPA CE&I (Parts 1-9), Certified Flagger, FYFE Qualified Inspector, Nuclear Gauge Safety Certification, OSHA 10 Hour Construction Safety and Health, OSHA Fall Protection, ATSSA Traffic Control Supervisor, ATSSA Traffic Control Technician, NRMCA Pervious Concrete Technician, NTS Trenching and Shoring
05/23 – Ongoing <i>Featured Project</i>	West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009 Engineer. Serves on the QA/QC team responsible for Constructability Reviews for the replacement of an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls. The proposed structure will tie-in to the existing concrete lined Suburban Canal.
03/19 - 9/23 <i>Featured Project</i>	St. Bernard HMP Canal Crossings St. Bernard Parish Government Project Engineer. Full responsibility for all CE&I deliverables. Royal performed both Engineering Design and Construction Management for six Con Span bridge systems over three Canal Crossings in St. Bernard. Royal designed bridge approaches and bridge replacements for culvert crossings (concrete/asphalt roadway restoration, infrastructure, and structural engineering), assessed existing roadways, bridge approaches, water/sewer system rehabilitation needs, and created advertisements and prepared final plans. The structures facilitated increased canal flow capacity and reduced the risk of backwater flooding.
06/23 – Ongoing	Lafayette Parish Non-State Pavement Markings (CE&I) DOTD Contract H.015018.5 (Entity) Engineer. Provides CE&I services for the construction and restriping of 14 miles of roadway along Cajundome Blvd., East Pinhook Rd./Teurlings Ave., Kaliste Saloom Rd., Mudd Ave., and Gendarme Rd. Responsible for CE&I deliverables, including management of inspectors, compliance with plans and specifications, QA/QC, reporting and document control, RFIs, change order requests, and as-builts.
05/24 – Ongoing	Crescent City Connection Decorative Lighting Project (CE&I) DOTD Contract H.015504.6 Engineer. Responsible for all CE&I deliverables for a new, LED, decorative lighting system for the Crescent City Connection bridge at a cost of \$20.7million. Hurricane Ida surged the electrical system resulting in an installation that features lights on the trusses and illuminating the piers.

<p>06/23 – Ongoing</p>	<p>US 90Z Harvey Canal Tunnel Rehabilitation (CE&I) DOTD Contract H.010673 Engineer. Responsible for CE&I deliverables for the rehabilitation of the Harvey Canal Tunnel and its approaches along US 90Z in Jefferson Parish. The approximately \$50million rehabilitation includes new tile lining, drainage pumps, pavement, structural, electrical and ventilation systems. Manages inspectors, performs QA/QC of field reports, and maintains project schedule.</p>
<p>04/19 – 02/20</p>	<p>St. Gabriel Roadway Repair: Phase 5 City of St. Gabriel, LA Engineer. Responsible for construction management, design alterations, and produced as-built drawings. CE&I services for the restoration of four roadways and the full reconstruction of one roadway. The scope consisted of existing asphalt cold planing, lime and soil cement treatments, asphalt binder and wearing overlay.</p>
<p>03/19 – 10/19</p>	<p>Roadway Restoration Project St. Bernard Parish Project Engineer. Responsible for all CE&I deliverables. Engineering Design and Construction Management for restoration of all concrete/asphalt roadways and associated infrastructure (sidewalks, driveways, drainage, sewer, and water systems), that suffered damage during Hurricane Katrina. Design, bidding, and construction management of 178 roadways with a nearly \$60 million construction value.</p>
<p>01/19 – 03/19 <i>Previous Employer</i></p>	<p>I-10 Widening, LA 347 to Atchafalaya Floodway Bridge Route (CE&I) St. Martin Parish, LA Engineer Intern. Responsible for Critical Path Method (CPM) schedule review. Covered 3.436 miles, costed \$52million, and widened/reconstructed four structures and the east/west-bound lanes.</p>
<p>08/14 – 08/16 <i>Previous Employer</i></p>	<p>US-51 Business Roundabouts DOTD Contract H.003432 Engineer Intern. Served as a Field Engineer responsible for problem identification, resolution on-site, prepared concrete/asphalt mix designs, traffic control design, updating monthly CPM schedule, and preparing as-builts. Construction management for roundabout installation on U.S. 51 Business at the intersection of I-12 in Hammond.</p>
<p>11/15 – 06/16 <i>Previous Employer</i></p>	<p>Thompson Road Extension Phase 2 Terrebonne Parish, LA Senior Field Engineer responsible for overall project management during the surcharging, wick draining, and bridge installation phase. Managed the bridge and ground improvement portion providing settlement plate measurements. The project connected Grand Caillou Rd to Little Caillou Rd in Terrebonne Parish with an asphalt surfacing over a previously surcharged embankment (phase 1). The 2.7-mile roadway crosses the Bayou Petit Gaillou canal via the installed bridge. The approaches and overall footprint of the bridge area were wick drained to expedite settlement.</p>
<p>07/16 – 07/18 <i>Previous Employer</i></p>	<p>I-10 Twin Spans ITS DOTD Contract H.011503 Engineer Intern. Responsible for responding to RFIs throughout construction. Construction Engineering and Inspections for an Intelligent Transportation System on Twin Span Bridge.</p>

NAME: Robert Klare, PE	TITLE: Assistant Project Engineer	FIRM EMPLOYED BY: Royal Engineers and Consultants, LLC		
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 1	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 10			
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2013 / Civil Engineering				
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 42991 / LA / 3-31-2027		YEAR REGISTERED: 2018		DISCIPLINE: Civil
CONTRACT ROLE(S): Engineer / Engineering Design				

EXPERIENCE DATES	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT
11 Years of Experience	Mr. Klare has extensive experience in the design of roadways, multiuse trails, and transportation alternative projects (TAP) for LADOTD projects. Technical skills include AutoCAD, EPA SWMM, and LADOTD Hydraulic Design Software. He has a Bachelor of Science in Civil Engineering from LSU and his related coursework included Intro to Surveying, Advanced Surveying, Hydrologic Design, Steel Design, Concrete Design, Deep Foundations. CERTIFICATIONS: ATSSA Traffic Control Technician, ATSSA Traffic Control Supervisor, FYFE Qualified Inspector, OSHA Fall Protection
02/25 - Ongoing	Audubon Avenue Overlay: LA 1 to Terrebonne P/L DOTD Contract H.013269.6 Assistant Project Engineer. Responsible for contract administration and construction engineering services. Royal is providing CE&I services for a mill and overlay of 1.44 miles of an asphalt roadway in Terrebonne Parish. Royal is providing oversight of road construction and perform all CE&I deliverables. The project includes over 22,000 Square yards of asphalt mill and overlay with a reinforced paving mat. Additionally, associated PCCP patching, ADA compliant curb ramps, thermoplastic traffic striping, and other various maintenance construction items.
07/23 – 09/23 <i>Featured Project</i>	St. Bernard HMP Canal Crossings St. Bernard Parish Government Assistant Engineer. Responsible for contract administration and construction engineering services. Royal performed both Engineering Design and Construction Management for six Con Span bridge systems over three Canal Crossings in St. Bernard. Royal designed bridge approaches and bridge replacements for culvert crossings (concrete/asphalt roadway restoration, infrastructure, and structural engineering), assessed existing roadways, bridge approaches, water/sewer system rehabilitation needs, and created advertisements and prepared final plans. The structures facilitated increased canal flow capacity and reduced the risk of backwater flooding.
2019 – 2021 <i>Previous Employer</i>	LA45/LA303 Rosethorne Path (Lafitte) DOTD Contract H.013365 Project Engineer. Mr. Klare designed a two-mile-long concrete sidewalk along Jean Lafitte Blvd. in Lafitte. The project connected previously isolated sections of residential areas with the town's commercial and recreational assets. The design accommodated a narrow right-of-way, existing drainage inlets, and other utilities while conforming to all ADA and DOTD requirements. Construction finished in 2023.
2016 – 2017 <i>Previous Employer</i>	City of Lafitte Sidewalks City of Lafitte Project Engineer for two projects adding concrete sidewalks around downtown Lafitte. This urban project increased connectivity between critical economic corridors in the Town of Lafitte, providing safe passage for pedestrians and recreational value. Construction was completed in 2017.

<p>2013 – 07/23 <i>Previous Employer</i></p>	<p>Project Engineer-Meyer Engineers, Ltd. Mr. Klare worked on various projects designing roadways, sidewalks, foundations, and drainage infrastructure. He drafted plans, obtained regulatory permits/approval (LADOTD, USACE, CUP, Mississippi River Levee Districts, Fire Marshal, and municipal Planning/Zoning), performed minor structural design, and prepared cost estimates/timelines/scopes/contracts.LA 59 Realignment and Tammany Trace Tunnel (LADOTD), the Northeast Louisiana Veterans Cemetery, the S Galvez Street Full Reconstruction (New Orleans) and the Port of South Louisiana Administration Building (St. John the Baptist Parish).</p>
<p>2021 – 2023 <i>Previous Employer</i></p>	<p>Drainage Improvements to Lime Street Jefferson Parish, LA Assistant Project Engineer. Mr. Klare assisted in designing the full reconstruction and developed traffic control plans for work along Veterans Blvd, W. Esplanade Ave, and Kawanee Ave. Designed full reconstruction of Lime Street in Metairie, LA, from Veterans Highway to W Esplanade Ave. The \$6.5million project replaced waterlines, upgraded drainage, and fully removed and replaced the 26' wide concrete roadway along the 0.8 mi. stretch. Design challenges included addressing conflicts between larger drainage lines, existing utilities, and oak trees.</p>
<p>01/23 – Ongoing</p>	<p>Construction Management and Estimating Services for Nashville Wharf A Substructure Repairs, Phase 2 Port of New Orleans Assistant Project Engineer. Responsible for assisting the project manager with construction management (cost estimating, constructibility reviews, document control, field representation, and closeout). The existing wharf was constructed in 1960-1961 and is approximately 2,400 linear ft. long, 214 ft. wide, and is supported by approximately 5,371 steel piles.</p>
<p>06/22 – 03/23 <i>Previous Employer</i></p>	<p>St. Bernard Parish 40 Arpent Trail DOTD Contract H.013525 Project Engineer. Mr. Klare designed an asphalt bike trail on 40 Arpent Levee in Chalmette, LA.This 7.5-mi. trail expands bicycle and pedestrian access and includes four bridges across 40 Arpent Canal.</p>
<p>2010 – 2020 <i>Previous Employer</i></p>	<p>St. John Eastbank Levee Trail Multiple projects Project Engineer. Mr. Klare worked on approximately seven mi. of this 14 mi. asphalt trail. The levee trail extends from St. John/St. Charles Parish line to St. Charles/St. James line. Construction completed in phases from 2011-2020.</p>

NAME: Cassidy Melancon, E.I.	TITLE: Engineer Intern	FIRM EMPLOYED BY: Royal Engineers and Consultants, LLC	
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 3	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 0		
DEGREE(S) / YEARS / SPECIALIZATION: BS / 2020 / Civil Engineering			
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: 34626 / LA / 3-31-2025		YEAR REGISTERED: 2020	DISCIPLINE: N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer Intern / Engineering Design			



EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
3 Years of Experience	Ms. Melancon is an Engineer Intern with 3 years of experience in the industry which includes assisting engineering design and project management services. Her responsibilities in engineering range from various design tasks regarding drainage, roadway, and structural analyses to drafting and maintaining project files. Her project management assistance has included tasks such as reviewing inspector observations, design plans and quantities. Ms. Melancon’s accomplishments include the structural design of box culverts and retaining walls.
05/23 – Ongoing <i>Featured Project</i>	West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009 Engineer Intern. Responsible for supporting engineering design plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.
08/22-07/25	NAVFAC P526 P529U Vehicle Inspection Naval Air Station Joint Reserve Base Belle Chasse, LA Engineer Intern. Responsible for civil design of site grading, roadway vertical alignment, and stormwater analysis and design in accordance with UFC, AASHTO, DOTD, and Military design standards. Contracted services include architectural, structural, and civil design services for a design-build project to construct a new entry control facility including a Visitor Control Center, Commercial Vehicle Inspection station, commercial roadway, and associated site infrastructure for the Naval Air Station Joint Reserve Base (NAS JRB) in Belle Chasse, LA. Additional project features include a duress alarm system, overhead canopy for commercial vehicle inspection, signage, LED lane control signal lights, elevated access control lane islands, permanent passive barriers, traffic control arms, traffic signalization, phasing to maintain existing operation levels, and all utilities and pavements.
04/22 – 12/24	East Bank Sediment Transport Corridor Road Reconstruction and Canal Crossings Plaquemines and St. Bernard Parish Engineer Intern. Responsible for supporting structural design of box culverts and retaining walls, guardrail design, temporary traffic control plans, and preparing quantity takes and cost estimates for the design of roadway regrading and reconstruction to facilitate installation of a permanent pipeline casing adjacent to the Mississippi River Levee. The permanent pipeline casing is required as part of a proposed corridor through Plaquemines and St. Bernard Parishes that would deliver dredged sediment from point bars within the Mississippi River to marsh creation areas within the Breton Sound.

NAME: DeWain Butler	TITLE: Lead Drafter	FIRM EMPLOYED BY: Royal Engineers and Consultants, L.L.C.
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 3	YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(S): 17	
DEGREE(S) / YEARS / SPECIALIZATION: N/A / N/A / N/A		
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: N/A / N/A / N/A		YEAR REGISTERED: N/A DISCIPLINE: N/A
CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: CADD Drafter / CADD Plan Drawings		



EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
20 Years of Experience	Mr. Butler has 20 years of experience drafting plans and specifications for Architecture and Engineering Design projects. Mr. Butler has technical capabilities in AutoCad Civil 3d and Revit design softwares.
05/23 – Ongoing <i>Featured Project</i>	West Metairie Avenue Over S. Suburban Canal Off System Bridge (OSBR) DOTD: Contract H.015009 CADD Drafter. Responsible for supporting engineering design plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. The proposed replacement structure is a two (2), 12-ft by 12-ft Reinforced Concrete Box Culverts with concrete headwalls and wingwalls.
08/22-01/23	Visitor Control Center and Commercial Inspection Facilities Naval Air Station Joint Reserve Base Belle Chasse, LA Drafter/Designer. Responsibilities included create drawings for a 30/50% submittal on a design-build project. Deliverables included a construction set of drawings/plans using all required UFC codes for a new visitor control center building, commercial vehicle facility, duress alarm system, overhead canopy for commercial vehicle inspection, signage, and LED lane control signal lights, elevated access control lane islands, permanent passive barriers, traffic control arms, traffic signalization, phasing to maintain existing operation levels, and all utilities and pavements.
11/22 – 06/24	Indian Creek Low Water Crossing and Road Repairs Fort Polk, LA CADD Drafter. Responsible for supporting design of plans and specifications for the design of gravel roadways and hydraulic analysis of low water crossing for a Design-Build project for the U.S. Army Corps of Engineers (USACE) located near Fort Polk, LA. The project restored and widened approximately 2.4 miles of the existing Sagebrush Road, built a 1.2 mile new roadway, and designed a Low Water Crossing (LWC) structure to provide connectivity across Indian Creek.
Prior to 2022 <i>Previous Employer</i>	Various Clients for Former Employer Various locations in South Louisiana AutoCAD Drafter/Designer. Created CAD files and project files for projects that included deliverables such as geotechnical plans and profiles, USACE permit maps, civil plans and profiles, civil sections, right-of-way maps, soil boring and CPT location maps, soil classification maps and wetland determination maps, potentiometric maps; land use maps; and cross sections.

NAME: Seneca Toussant, P.E.	TITLE: Principal	FIRM EMPLOYED BY: La Terre Engineering, LLC		
YEARS OF RELEVANT EXPERIENCE WITH THIS EMPLOYER: 5		YEARS OF RELEVANT EXPERIENCE WITH OTHER EMPLOYER(s): 20		
DEGREE(S) / YEARS / SPECIALIZATION: B.S. / 1999 / Biological Engineering				
ACTIVE REGISTRATION NUMBER / STATE / EXPIRATION DATE: P.E. #36080 / Louisiana / 9.30.2025		YEAR REGISTERED: 2011	DISCIPLINE: Civil Engineer	

CONTRACT ROLE(S) / BRIEF DESCRIPTION OF RESPONSIBILITIES: Engineer / QA/QC Lead

EXPERIENCE DATES <i>(mm/yy – mm/yy)</i>	EXPERIENCE AND QUALIFICATIONS RELEVANT TO THE PROPOSED CONTRACT <i>("designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the years of experience specified in the applicable MPR(s))</i>
25 Years of Experience	Seneca Toussant has almost 25 years of civil engineering experience including roadways, ADA accessibility, water and wastewater treatment, drainage and utilities, as well as traffic control and signage matters. Mr. Toussant has successfully completed construction management, contract administration, inspection, and documentation for projects with construction budgets as small as \$50K to larger and more complex improvements of up to \$20M.
9/23-10/24	CP PROJECT NO. 23-EN-HC-0016 HUNDRED OAKS AVE. SIDEWALKS BATON ROUGE, LA Project Engineer. Mr. Toussant was the engineer responsible for site evaluations, civil engineering design, plan preparation and cost estimates to address walkability and ADA accessibility for the Hundred Oaks Sidewalk Project in Baton Rouge.
3/24– Ongoing	BATON ROUGE METROPOLITAN AIRPORT TAXIWAY F RECONSTRUCTION, NO. 22-ES-BTR-012 BATON ROUGE, LA. Project Engineer. Mr. Toussant is lead civil engineer responsible for the drainage improvements required for the Baton Rouge Metropolitan Airport Taxiway F Reconstruction project. The project will widen and reconstruct the existing segment of Taxiway F and includes subsurface drainage improvements. The drainage design will be analyzed as per FAA AC 150/5320-5D Airport Drainage Design.
12/24-Ongoing	RECREATION AND PARK COMMISSION OF EAST BATON ROUGE (BREC) MULTIPLE PARK ASPHALT PAVING PROJECT BATON ROUGE, LA Project Manager. Mr. Toussant is responsible for the preparation of construction documents for paving, pavement rehabilitation and ADA accessibility at three BREC parks.
6/20-12/22	MOVEBR CAPACITY PROGRAM MANAGEMENT BATON ROUGE, LA Project Manager. Mr. Toussant served as project manager for specialty contracts for the MoveBR Capacity program management team. He was responsible for the specialty contracts program which included environmental services, geotechnical services, surveying, lighting design and landscaping services.
01/23-7/23	CP PROJECT NO. 20-EN-HC-0049 NORTH BOULEVARD AREA ADA TRANSITION PROJECT BATON ROUGE, LA Project Manager. Mr. Toussant was responsible for site evaluations, civil engineering design, plan preparation and cost estimates to address walkability and ADA accessibility along North Boulevard in downtown Baton Rouge.

01/23-1/24	<p>CP PROJECT NO. 20-EN-HC-0050 SOUTH BOULEVARD AREA ADA TRANSITION PROJECT BATON ROUGE, LA Project Manager. Mr. Toussant was responsible for site evaluations, civil engineering design, plan preparation and cost estimates to address walkability and ADA accessibility along South Boulevard in downtown Baton Rouge.</p>
6/20-10/20	<p>CITY OF NEW ORLEANS: RR119 MARLYVILLE-FONTAINEBLEAU GROUP D (FRC) NEW ORLEANS, LA Project Engineer. Mr. Toussant was responsible for the preparation of preliminary plans for Colapissa Street and Nelson Street for the Marlyville-Fontainebleau Group D Project. He prepared typical sections and plan and profile sheets for the roadway reconstruction, which included ADA accessibility improvements, upgrades to existing subsurface drainage and inlets in accordance with the LADOTD Hydraulics Manual.</p>
6/20-10/20	<p>CITY OF NEW ORLEANS: RR119 MARLYVILLE-FONTAINEBLEAU GROUP F (FRC) NEW ORLEANS, LA Project Engineer. Mr. Toussant was responsible for the preparation of preliminary plans for Vincennes Place for the Marlyville-Fontainebleau Group F Project. He prepared typical sections and plan and profile sheets for the roadway reconstruction, which included ADA accessibility improvements upgrades to existing subsurface drainage and inlets in accordance with the LADOTD Hydraulics Manual.</p>
2/20-8/20	<p>LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT: S.P. NO H.012339, LA 24 SIDEWALKS REHAB HOUMA, LA Project Engineer. Mr. Toussant prepared preliminary and final plans for ADA accessibility, including grading, cost estimates, and design reports.</p>
12/15 - 08/16	<p>INTERSECTION IMPROVEMENTS AND ROADWAY REALIGNMENTS CALCASIEU PARISH, LA Project Manager. Mr. Toussant was the project manager and lead design engineer responsible for the design and preparation of construction documents and cost estimates for 11 roadway intersection improvements required to mitigate traffic impacts along state and parish roadways for the proposed Axiall Plant Expansion in Calcasieu Parish, LA.</p>
02/07 – 06/08	<p>S.P. NO. 817-41-0014, CP PROJECT NO. 06-CS-HC-0029: SOUTH HARRELL’S FERRY ROAD IMPROVEMENTS, GLP EAST BATON ROUGE PARISH BATON ROUGE, LA Project Engineer. Mr. Toussant was responsible for the horizontal and vertical alignment designs for portions of the project and the subsurface drainage design which was completed utilizing the LADOTD hydraulics software.</p>
03/08 – 03/09	<p>CITY OF LAKE CHARLES ENTERPRISE PARKWAY PHASE 1, LAKE CHARLES LA. Project Engineer. Mr. Toussant prepared construction plans for the extension of roadway and sidewalks for Enterprise Boulevard, including horizontal and vertical alignments, geometrics & subsurface drainage for the extension.</p>
2007	<p>CITY OF LAKE CHARLES PEAR STREET RECONSTRUCTION, LAKE CHARLES, LA Project Engineer. Mr. Toussant designed roadway, sidewalk, surface, and subsurface drainage improvements for the Pear Street Reconstruction project in Lake Charles, LA for the overlay and widening of the existing roadway, including ADA compliant ramps.</p>
2006	<p>EAGLEBEND DRIVE/STONEBRIDGE ROAD STREETScape, AVON, CO Project Engineer. Mr. Toussant designed and prepared construction plans, cost estimate and construction documents for the realignment, widening of Eaglebend Drive and Stonebridge Road for the Town of Avon. Plans included the addition of a ADA pedestrian paths, drainage improvements and utility adjustments.</p>

17. Firm Experience

FIRM NAME: Royal Engineers and Consultants, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Bridge
PROJECT NAME: West Metairie Avenue Over S. Suburban Canal	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: H.015009	OWNER'S NAME: DOTD
PROJECT LOCATION: Jefferson Parish, Louisiana	OWNER'S PROJECT MANAGER: Barbara Ostuno, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: P.O. Box 94245, Baton Rouge, LA 70804 / 225.379.1047 / Barbara.ostuno@la.gov	
SERVICES COMMENCED BY THIS FIRM: 05/23	TOTAL CONSULTANT CONTRACT COST: \$93
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$70

Royal is providing Engineering and Related Services to develop plans to replace an existing slab span bridge at West Metairie Avenue over the South Suburban Canal in Jefferson Parish. Royal is managing all aspects of design and client relations, overseeing plan production in accordance with the OSBR Program Guidelines, leading the hydraulic analysis and design for all viable alternatives for the bridge replacement in accordance with the DOTD Hydraulics Manual, and coordinating survey efforts. Royal's scope includes preliminary plan production and environmental services, including solicitation of views, categorical exclusion clearance, wetland studies, and other information needed for the Environmental Clearance process. Royal oversaw surveying services for the project, with survey deliverables provided in accordance with the OSBR Program Guidelines and the LADOTD Location and Survey Manual. The existing slab span bridge is proposed to be replaced by two (2) 12 ft x 12 ft reinforced box culverts. Royal has completed all of preliminary design and is awaiting Environmental Clearance to begin the Final Plans phase.

KEY PERSONNEL: Michael Pugh, Beau Tate, Katherine Foreman, Alec Carter O'Brien, Cassidy Melancon, DeWain Butler



FIRM NAME: Royal Engineers and Consultants, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Road, Other (Sidewalks)
PROJECT NAME: Polly Lane Extension	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: N/A	OWNER'S NAME: Lafayette Consolidated Government (LCG)
PROJECT LOCATION: Lafayette Parish, 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: 08/15	TOTAL CONSULTANT CONTRACT COST: \$351.3
SERVICES COMPLETED BY THIS FIRM: 11/21	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$117.3

Royal provided 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 the 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 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 the hydraulic design was in accordance with the 2011 LADOTD Hydraulics Manual. Following the completion of Preliminary design plans, Royal determined the required extent 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 the 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 also provided resident inspection services.

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

KEY PERSONNEL: Katherine Foreman, Beau Tate



FIRM NAME: Royal Engineers and Consultants, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Road, Other (Sidewalks)
PROJECT NAME: Iberia Street Sidewalks	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: N/A	OWNER'S NAME: City of Youngsville
PROJECT LOCATION: Youngsville, Louisiana	OWNER'S PROJECT MANAGER: Sally Angers
OWNER'S ADDRESS, PHONE, EMAIL: 305 Iberia Street, Youngsville, LA / 407.432.4820 / sallyangers@youngsvillela.gov	
SERVICES COMMENCED BY THIS FIRM: 08/15	TOTAL CONSULTANT CONTRACT COST: \$68
SERVICES COMPLETED BY THIS FIRM: 09/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$66

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: Katherine Foreman, Beau Tate



FIRM NAME: Royal Engineers and Consultants, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Road, Other (Sidewalks)
PROJECT NAME: Camellia - Settlers Trace Turning Lane	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: N/A	OWNER'S NAME: Lafayette City-Parish Consolidated Government (LCG)
PROJECT LOCATION: Lafayette Parish, Louisiana	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: 12/17	TOTAL CONSULTANT CONTRACT COST: \$117
SERVICES COMPLETED BY THIS FIRM: 02/22	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$59

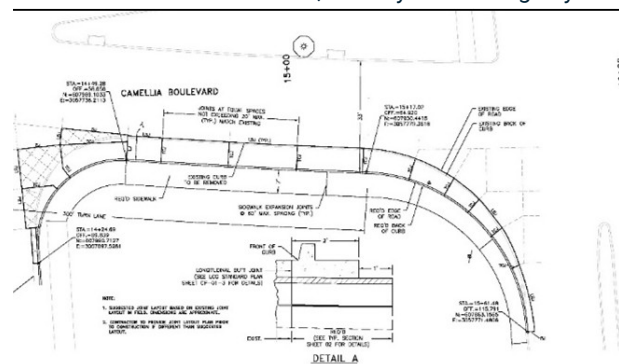
Royal was contracted by Lafayette Consolidated Government (LCG) to provide professional engineering design and construction phase services for the addition of a dedicated right turn lane and a second left turn lane at the intersection of Camellia Boulevard and Settlers Trace Boulevard in Lafayette, Louisiana. 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, modifications and improvements to the street lighting system, and modifications to the pavement markings in the vicinity of the intersection.

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, quantity tracking, 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 overseen by the Royal design team. 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,
Alec 'Carter' O'Brien



FIRM NAME: Royal Engineers and Consultants, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Road, Other (Sidewalks)
PROJECT NAME: St. Bernard HMP Canal Crossings	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: N/A	OWNER'S NAME: St. Bernard Parish Government
PROJECT LOCATION: St. Bernard Parish, Louisiana	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@sbsp.net	
SERVICES COMMENCED BY THIS FIRM: 07/14	TOTAL CONSULTANT CONTRACT COST: \$5M
SERVICES COMPLETED BY THIS FIRM: 09/23	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$5M

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: Katherine Foreman, Beau Tate,
Alec 'Carter' O'Brien, Robert Klare,
Michael Pugh

PROJECT LOCATIONS: Magistrate Street at Corrine Canal,
Gallo Drive Bridge at Arpent,
Paul Drive at 20 Arpent Canal,
Missouri Street at Corinne Canal,
Mumphrey Road at 20 Arpent Canal, Bartolo Street at 20 Arpent Canal



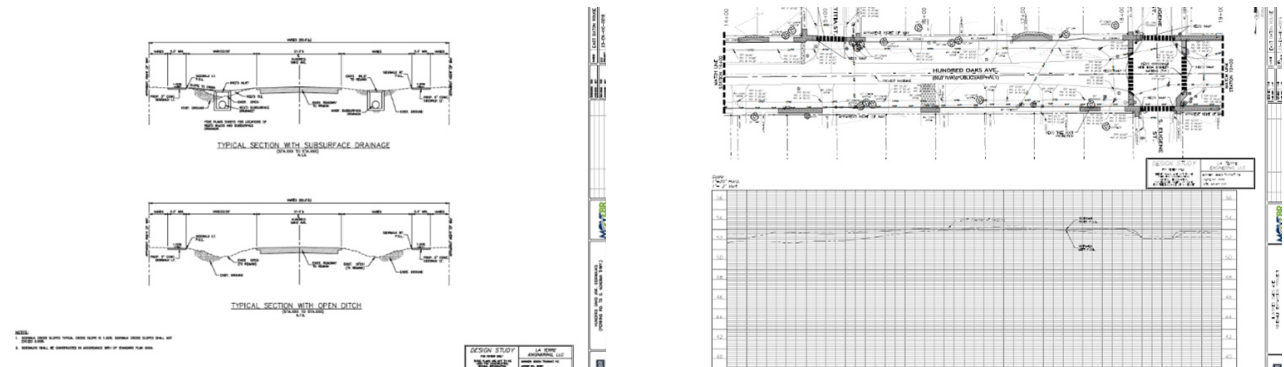
FIRM NAME: La Terre Engineering, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Other (Sidewalks)
PROJECT NAME: Hundred Oaks Avenue Sidewalk Project	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: 23-EN-HC-0016	OWNER'S NAME: City of Baton Rouge/Parish of East Baton Rouge
PROJECT LOCATION: Baton Rouge, LA	OWNER'S PROJECT MANAGER: Alex Farr, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: 10305 Airline Hwy, Baton Rouge, LA 70816, 225-298-0800, Alex,Farr@waggonereng.com	
SERVICES COMMENCED BY THIS FIRM: 09/23	TOTAL CONSULTANT CONTRACT COST: \$97
SERVICES COMPLETED BY THIS FIRM: 10/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$79

Hundred Oaks Avenue is a two-lane roadway located in the Garden District area of Baton Rouge, Louisiana. La Terre Engineering, LLC (LTE) was selected by the City of Baton Rouge to provide engineering and design services for approximately 1/2 mile of sidewalks along Hundred Oaks Avenue from Perkins Road to South Acadian Thruway. The project consists of expanding the existing sidewalks on the north and south sides of Hundred Oaks Ave. and adding additional sidewalks to increase pedestrian mobility and address American Disabilities Act (ADA) non-compliance.

RELEVANCE TO PROJECT SCOPE:

- Design Study
- ADA Sidewalk Design
- Drainage Improvements
- Preliminary Design
- Final Design
- Utility Coordination
- Cost Estimating

KEY PERSONNEL: Seneca Toussant



FIRM NAME: La Terre Engineering, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Other (Sidewalks)
PROJECT NAME: North Blvd Area and South Blvd ADA Transition Project	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: 20-EN-HC-0049 & 0050	OWNER'S NAME: City of Baton Rouge/Parish of East Baton Rouge
PROJECT LOCATION: Baton Rouge, LA	OWNER'S PROJECT MANAGER: Alex Farr, P.E.
OWNER'S ADDRESS, PHONE, EMAIL: 10305 Airline Hwy, Baton Rouge, LA 70816, 225-298-0800, Alex,Farr@waggonereng.com	
SERVICES COMMENCED BY THIS FIRM: 01/23	TOTAL CONSULTANT CONTRACT COST: \$104
SERVICES COMPLETED BY THIS FIRM: 01/24	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$104

La Terre Engineering, LLC (LTE) was selected by the City of Baton Rouge to provide engineering and design services for North Boulevard and South Boulevard to address walkability and ADA accessibility along the existing roadway corridors.

LTE's scope of work included site evaluations, civil engineering design, drafting and plan preparation to provide ADA accessibility along the existing roadway corridor. Plans included the replacement of existing sidewalk ramps with ADA compliant ramps and the removal and replacement of existing sidewalks to meet ADA compliance. LTE also prepared quantity calculations and cost estimates for the proposed reconstruction.

RELEVANCE TO PROJECT SCOPE:

- ADA Sidewalk Design
- ADA Accessible Ramp Design
- Preliminary Design
- Final Design
- Utility Coordination
- Cost Estimating

KEY PERSONNEL: Seneca Toussant

FIRM NAME: La Terre Engineering, LLC	PAST PERFORMANCE EVALUATION DISCIPLINE(S): Road
PROJECT NAME: North Blvd Area ADA Transition Project	FIRM RESPONSIBILITY (PRIME OR SUB): Prime
PROJECT NUMBER: 20-EN-HC-0049	OWNER'S NAME: BREC-Recreation and Park Commission for the Parish of East Baton Rouge Rouge
PROJECT LOCATION: Baton Rouge, LA	OWNER'S PROJECT MANAGER: Steven J. Lumpkin, PLA, PMP
OWNER'S ADDRESS, PHONE, EMAIL: 6201 Florida Boulevard, Baton Rouge, LA 70806, 225-273-6405, Steven.Lumpkin@brec.org	
SERVICES COMMENCED BY THIS FIRM: 12/24	TOTAL CONSULTANT CONTRACT COST: \$84
SERVICES COMPLETED BY THIS FIRM: Ongoing	COST OF CONSULTANT SERVICES PROVIDED BY THIS FIRM: \$66

La Terre Engineering, LLC (LTE) providing design and construction administration services to the Recreation and Park Commission for the Parish of East Baton Rouge (BREC) for the three (3) BREC park locations:

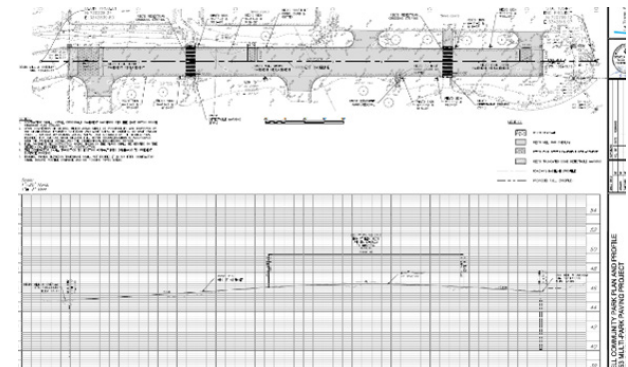
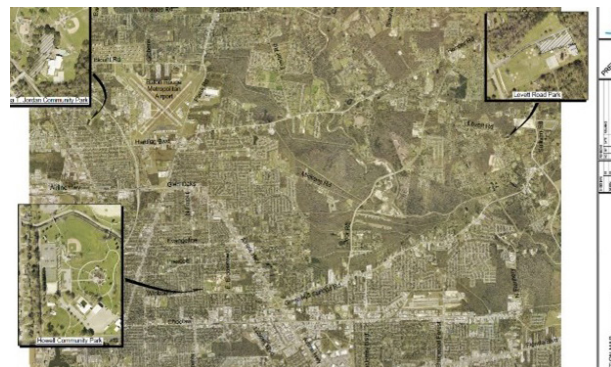
- Howell Community Park (5509 Winborne Avenue, Baton Rouge, LA 70805)
- Anna T. Jordan Community Park (1750 Stilt Street, Baton Rouge, LA 70807)
- Lovett Road Park (13443 Lovett Road, Baton Rouge, LA 70818)

LTE's scope of work includes preliminary investigations and the preparation of plans for the removal and replacement of existing asphalt roadways, parking and sidewalks at the three facilities. Plans will also include associated drainage and utility improvements as required. LTE will also provide bidding, construction administration and project closeout services.

RELEVANCE TO PROJECT SCOPE:

- ADA Sidewalks & Ramps
- Roadway and Drainage
- Preliminary and Final Plans
- Construction Administration

KEY PERSONNEL: Seneca Toussant



18. Approach and Methodology

PROJECT UNDERSTANDING

DOTD is seeking civil engineering design for sidewalk rehabilitation and/or installation. The purpose of this project is to prepare design plans for the rehabilitation or new construction of 18 miles of sidewalk facilities along LA 182 in New Iberia. All design plans will meet compliance standards for accessibility and use under the Americans with Disabilities Act (ADA). The limits of the design area encompass LA 182 near a northwestern city boundary, traveling along LA 182 southeast through New Iberia and ends on a southeastern city boundary where LA 182 intersects with Emile Verret Road (Parish Rd 203). The eastbound lane (St. Peter St.) and westbound lane (Main St.) are separated by one to two city blocks that contains a wide variety of facilities where pedestrian connectivity is paramount. Facility types include churches, grocery stores, single family residences, warehouses, restaurants, and other local small businesses. It also includes a large hospital, Iberia Medical Center, and several smaller medical treatment clinics.

There are 7 major intersections that will be considered in design planning, including:

- W. Main Street @ S. Landry Drive and W. St. Peter Street @ S. Landry Drive (LA 677)
- W. Main Street @ Chestnut Street and W. St. Peter Street @ Chestnut Street (LA 31)
- W. Main Street @ S. Hopkins Street and W. St. Peter Street @ S. Hopkins Street (LA 675)
- W. Main Street @ Jefferson Street and W. St. Peter Street @ Jefferson Street (LA 3156)
- E. Main Street @ Julia Street and E. St. Peter Street @ Julia Street (LA 86)
- E. Main Street @ Center Street and E. St. Peter Street @ Center Street (LA 14)
- E. Main Street @ N. Lewis Street and E. St. Peter Street @ S. Lewis Street (LA 87 Spur)



The project will include retrofitting of these and all intersections throughout the project extents to have compliant curb ramps with tactile warnings.

It is our understanding that surveying and environmental services will be provided by DOTD. The majority of the project extents contain existing sidewalks which are in disrepair and/or are not compliant with current ADA regulations. Numerous obstructions exist within or in close proximity to the apparent right-of-way (R/W) including overhead electric utilities, buildings, large trees and landscaping, parking lots, and other structures. Early identification and management of utility conflicts and other constraints will be key in providing an effective design. Where obstructions exist which cannot be relocated, alternative solutions such as sidewalk widening that narrows travel lanes or repurposes on-street parking can be considered. Phased construction will also be considered in order to minimize disruption to business access.

TEAMING EXPERIENCE AND CAPACITY

As Prime, Royal will lead all engineering design analysis and plan preparation. Royal's Civil Engineers are experienced in all facets of sidewalk design and have been solving roadway design problems for 20 years. Our design team has collaborated closely with local officials in Iberia Parish over the last 7 years, and we know the local challenges well. Our design team has created plans and provided oversight on design and CE&I services on at least a dozen civil projects in Iberia Parish and neighboring Parishes, including sidewalk design, ADA compliance, hydraulic design and analysis, roadway rehabilitation, and new road construction. We have assessed and designed drainage infrastructure and water control structures. Our lead design Engineer will be **Katherine Foreman, P.E.** Mrs. Foreman serves as the lead civil design professional for Royal in this region, and she will lead the design and coordination efforts with DOTD to ensure the project's success. Mrs. Foreman has experience in civil engineering design in Iberia Parish dating back six years.

Subconsultant La Terre Engineering (La Terre) is a certified Disadvantaged Business Enterprise (DBE) consultant with extensive experience in municipal sidewalk design throughout Louisiana. **Seneca Toussant, P.E.**, will provide independent technical review and serve as QA/QC reviewer for both hydraulic design and deliverables and plan design and deliverables under the leadership of **Beau Tate, P.E.** La Terre will also be integrated throughout the design process to provide valuable design input as part of kickoff meetings, site visits, comment review meetings, etc.

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, our design team, and our constructability and QA/QC resources present to clarify the project limits and to identify any potential design concerns. Topics of conversation at the kickoff meeting may include: (1) Clarifying project extents and right-of-way limitations (2) Is there flexibility to reallocate existing roadway space to meet sidewalk width requirements (i.e. remove on-street parking, narrow travel lanes)? (3) Are there seasonal or other traffic constraints that will impact construction phasing? (4) Are there historic or other protected features in the project area that will need to be preserved/remain undisturbed? 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 review the existing topographic survey data provided by DOTD. We will review 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. 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 with alignment and stationing. 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. 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, R/W Map services will be initiated by DOTD Project Manager. 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, LADOTD Road Design 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. Royal will coordinate with DOTD as needed for any R/W Mapping requirements. A Revised Design Report will also be provided if one or more design criteria is changed from the Final Design Report. 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 a site-specific SWPPP in accordance with 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 Road Design Manual, LADOTD CAD Standards, and all other size, formatting, and quality standards adopted by DOTD.

QA/QC

Quality Assurance and Quality Control is an integral part of the design process at Royal. Prior to any submittal to DOTD, all design deliverables will undergo an independent, technical review by senior level Engineers on our team. This review will be lead by **Beau Tate, P.E.** (Royal) and **Seneca Toussant, P.E.**(La Terre).

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. *We will respond to all RFIs within 48 hours* to keep the project moving and meet our contractual commitment. We will be available to meet with the DOTD Construction Coordinator with a 24-hour notice, and our team commits to providing RFI response and Construction Support on a seven days a week basis.

CADD 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

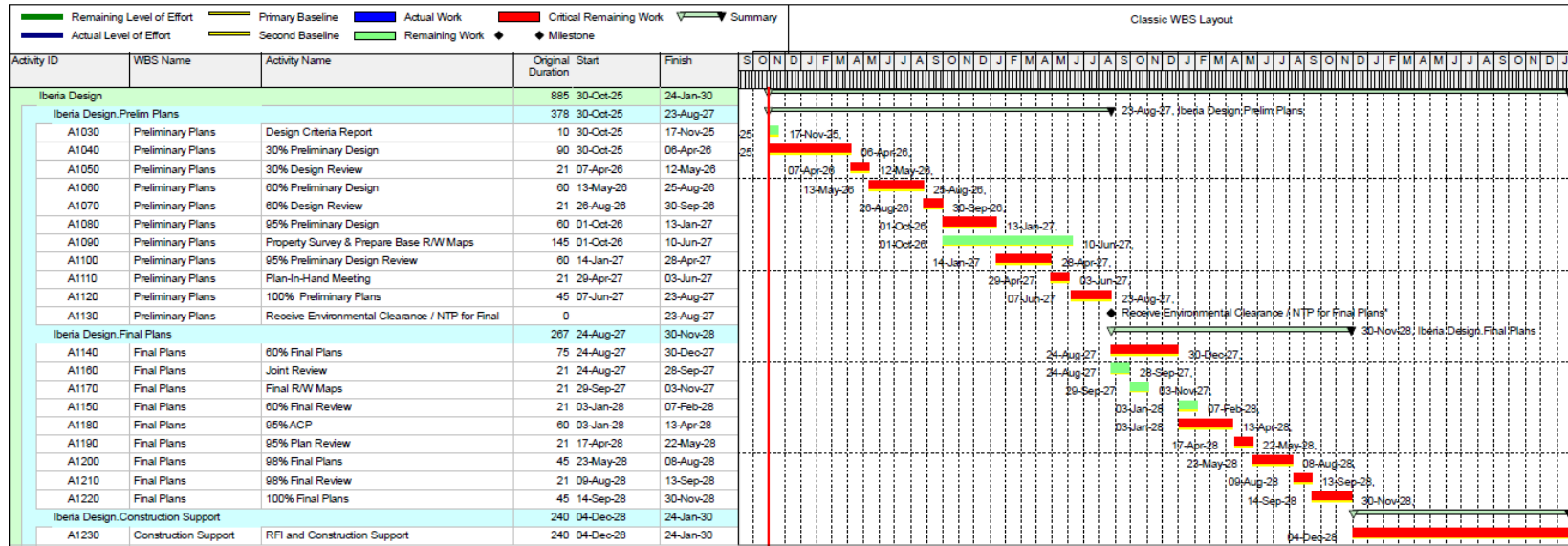
Additionally, Royal has a long-standing relationship with La Terre. Their successful performance on numerous statewide projects for DOTD demonstrates their familiarity with DOTD's quality control requirements, CADD standards, and deliverable requirements which will be beneficial in completing the project 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 120+ people, over 40 of which are engineering design licensed professionals, interns, or provide engineering design support services including GIS and CADD drafting professionals. 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 910 day estimated project duration is provided below.

PROJECT SCHEDULE

Typical Schedule: LA 182 New Iberia Sidewalks Route LA:182 Iberia Parish



PROJECT PHOTOS

Contract No.: 4400032994 Contract for LA 182 New Iberia Sidewalks Route LA:182 Iberia Parish

Our engineering design team is extremely familiar with local conditions, existing infrastructure, and local officials. We will be able to deliver sidewalk design sets that will improve the quality of life for citizens of Iberia Parish, enhance walkability, and upgrade pedestrian access to community features along LA 182.



19. Workload

ALL FIRMS	PAST PERFORMANCE EVALUATION DISCIPLINES	CONTRACT & STATE PROJECT NO.	PROJECT NAME	REMAINING UNPAID BALANCE
Royal Engineers and Consultants, LLC	Road, Bridge	4400024593/H.015009.5	LADOTD OSBR West Metairie Ave Bridge	N/A
		4400027734/H.014362.5	Entity Contract for Lake Road – Big Branch Marsh NWR	\$52,408
	CE&I/OV	4400028466/H.015504.6	Crescent City Connection Decorative Lighting Project	\$15,000
		4400024438/H.010673	Harvey Tunnel Rehabilitation	\$79,033
		4400027010/H.015018.5	Entity Contract for Lafayette Parish Non-State PVMT Markings	N/A
		4400029889/H.013269.6	Entity Contract for Audubon Ave Ovly: LA 1 to Terrebonne P/L	\$29,546
La Terre Engineering, LLC	Planning	4400025921/H.015938	Indefinite Delivery/Indefinite Quantity Contract for Transportation Systems Management and Operations (TSMO) Program	\$18,072

20. Certifications/Licenses

ROYAL ENGINEERS AND CONSULTANTS, LLC

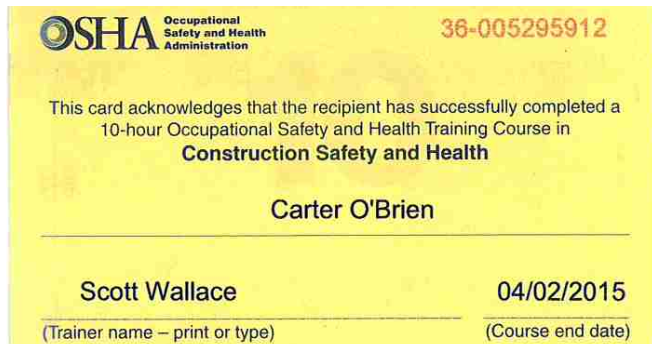
Buy Certificates and Certified Copies Subscribe to Electronic Notification Print Detailed Record

Name	Type	City	Status
ROYAL ENGINEERS AND CONSULTANTS, L.L.C.	Limited Liability Company	NEW ORLEANS	Active

Previous Names

Business: ROYAL ENGINEERS AND CONSULTANTS, L.L.C.
Charter Number: 36013193K
Registration Date: 9/12/2005

ALEC CARTER O'BRIEN, P.E.



State of Louisiana

Department of Transportation and Development

This certificate is presented to

Alec "Carter" O'Brien

for successfully completing

The Local Public Agency (LPA) Qualification Program: Constructor Engineering, & Inspection (CE&I) Training (Parts 1-9) On

12-15-24



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Alec O'Brien
has attended

Traffic Control Supervisor Refresher-LA State Specific Training Course

12/3/2021 to 12/3/2025
Training Valid Through

New Orleans, LA
Location

Ramona Smith
Director of Training
Alec Tejada
President, CEO

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



ALEC CARTER O'BRIEN, P.E., CONT.



This is to certify that

Alec O'Brien

has successfully completed the requirements for the NRMCA Pervious Concrete Certification Program, and is duly recognized as a

Pervious Concrete Technician

Date of Certification: February 25, 2021
Expiration Date: February 24, 2026

Michael Philipps
Michael Philipps
President



March 11, 2021

Alec O'Brien
Royal Engineering
4298 Elysian Fields Ave.
New Orleans LA 70122

Dear Alec:

Congratulations! This letter is to inform you that you have successfully passed from NRMCA's Pervious Concrete Certification Exam conducted by the Online on February 25, 2021 thereby earning your Pervious Technician Certification. Your score for the written exam is as follows:

Pervious Concrete Contractor Exam Score 96%

The required passing score is 75%. Your Pervious Concrete Technician Certification is valid for five years: it expires February 24, 2026.

Please note that your examination scores are sent directly to you. Specific exam results will not be sent to your employer unless requested. However, should your employer contact NRMCA in writing regarding your certification status, we will provide your pass/fail results upon their request.

If you have any questions regarding your exam results, please contact me at (703) 706-4854 or by email at sdickens@nrmca.org.

Sincerely,

Shawnita Dickens
Shawnita Dickens
Manager, Certification Programs

ENCLOSURE: Pervious Concrete Technician certificate

11544469



The Association for Materials Protection and Performance Recognizes

Alec Carter O'Brien

As a Certified
Basic Coatings Inspector



Hilma Sulinger
Executive Director
AMPP

Expires
February 21, 2028
Cert No.114938



This certificate documents the successful completion of Fyfe's ONLINE: Inspection and Application Training Program, an 8-hr program covering the preparation, application, and quality control of the Tyfo® Systems.

This individual has demonstrated technical competence in the basic installation practices of the Tyfo® Systems. Certification provides contractors the surety that the work is being carried out by FyfeFRP LLC trained and qualified personnel.

Course Credits: 8 Hours.

Mark Postin
Mark Postin,
Sr. Training Manager

Expiration: Two years from issue date.

Qualified Inspector

ALEC CARTER O'BRIEN
ROYAL ENGINEERS & CONSULTANTS

ISSUE DATE: 29 FEBRUARY 24



State of Louisiana

Department of Transportation and Development

This certificate is presented to

Katherine Foreman, P.E.

for successfully completing
**The Local Public Agency (LPA) Qualification Program:
Construction, Engineering, & Inspection (CE&I)
Training (Parts 1-9) on**

5/30/25



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Katherine Foreman

has attended

Traffic Control Supervisor-LA State Specific

Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Baton Rouge, LA
Location

Ronald S. ...
Director of Training

Allen ...
President, CEO

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



ROBERT KLARE, P.E.



This certificate documents the successful completion of Fyfe's ONLINE Inspection and Application Training Program, an 8-hr program covering the preparation, application, and quality control of the Tyfo® Systems.

This individual has demonstrated technical competence in the basic installation practices of the Tyfo® Systems. Certification provides contractors the surety that the work is being carried out by FyfeFRP LLC trained and qualified personnel.

Course Credits: 8 Hours.

Mark Postin
Mark Postin,
Sr. Training Manager

Expiration: Two years from issue date.

Qualified Inspector

ROBERT KLARE
ROYAL ENGINEERS & CONSULTANTS

ISSUE DATE: 29 FEBRUARY 24



State of Louisiana
Department of Transportation and Development

This certificate is presented to

Robert Klare

for successfully completing
**The Local Public Agency (LPA) Qualification Program:
Construction, Engineering, & Inspection (CE&I)
Training (Parts 1-9) on**

5/30/2025



OFFICIAL WALLET CARD



FALL PROTECTION

Certification ID# : NOF-1742996062-1384-105399
Awarded : 03/26/2025
Expires : 03/26/2027
Operator Signature :

*This Card Certifies That The Below Individual Has
Successfully Completed The Objectives & Examination
in Accordance with the Curriculum of the NOF
Certification & Training Program.*

x

Robert Klare
Fall Protection Certified



NationalOSHAfoundation.com



ROBERT KLARE, P.E., CONT.



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Robert Klare

has attended

Louisiana Traffic Control Supervisor

Training Course

10/18/2023 to 10/18/2027
Training Valid Through

New Orleans, LA
Location

Donna M. Clark
Vice President of Education and Technical Services

Sharon Johnson
President, CEO

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



American Traffic Safety Services Association ATSSA.com



State of Louisiana
Department of Transportation and Development

This certificate is presented to

Cassidy Melancon

for successfully completing
The Local Public Agency (LPA) Qualification Program:
Construction, Engineering, & Inspection (CE&I)
Training (Parts 1-9) on

05/29/2025



LA TERRE ENGINEERING, LLC

Name	Type	City	Status
LA TERRE ENGINEERING LLC	Limited Liability Company	BATON ROUGE	Active

Previous Names

Business: LA TERRE ENGINEERING LLC
Charter Number: 43792422K
Registration Date: 2/24/2020



SENECA TOUSSANT, P.E.



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Seneca Toussant

has attended

Louisiana Traffic Control Supervisor Refresher

Training Course

9/8/2023 to 9/8/2027
Training Valid Through

Baton Rouge, LA
Location

Handwritten signature of Don H. Clark in black ink.

Vice President of Education and Technical Services

Handwritten signature of Allan Terhune in black ink.

President, CEO

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



American Traffic Safety Services Association ATSSA.com

21. QA/QC Plan

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

Not Applicable

22. Sub-Consultant Information

FIRM NAME	ADDRESS	POINT OF CONTACT & EMAIL	PHONE NUMBER
La Terre Engineering LLC	343 Third Street, Suite 511B Baton Rouge, LA 70801	Seneca Toussant, P.E. stoussant@laterre-eng.com	225.960.1160

23. Location

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