

(SOQ 23 - 001)
Professional Architectural and Engineering Services on an as-needed basis for architectural type projects located throughout the Parish for an approximate two-year period



PRESENTED TO
Jefferson Parish Government

SUBMITTED BY
Royal Engineers and Consultants

DATE
January 19, 2023

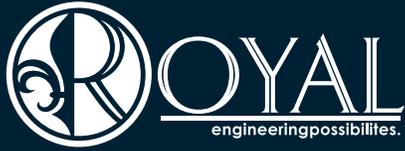


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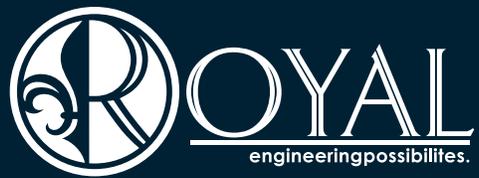
Batture (Subconsultant - Landscape Architecture and Surveying)

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**Jefferson Parish TEC Questionnaire:
Royal Engineers and Consultants, LLC**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:		
SOQ 23-001 Professional Architectural and Engineering Services Resolution Number: 140999		
B. Firm Name & Address:		
Royal Engineers and Consultants, LLC 1501 Religious St, Ste C New Orleans, LA 70130		
C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:		
Michael L. Pugh, P.E. (Fulfills minimum requirement #1, 2, and 3) President mpugh@royalengineering.net 504.283.9400		
D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.		
Michael L. Pugh, P.E. (Fulfills minimum requirement #1, 2, and 3) President mpugh@royalengineering.net 504.283.9400		
E. Please provide the number of employees whose primary function corresponds with each category:		
<u>12</u> Administrative <u>1</u> Architects (Licensed) - Chemical Engineers <u>7</u> Civil Engineers <u>10</u> Construction Inspectors <u>5</u> Ecologists - Electrical Engineers <u>4</u> Engineer Intern - Professional Land Surveyors	<u>1</u> Estimators - Geologists - Geotechnical Engineers - Interior Designers - Landscape Architects - Land Surveyor - Mechanical Engineers <u>1</u> Environmental Engineers	- Specification Writers <u>2</u> Structural Engineers - Graduate Engineers <u>17</u> Project Managers - Clerical <u>4</u> Grant/Funding Specialist - Sanitary Engineers <u>68</u> *Total
* 2 Drafters and 2 Architectural Designers not counted above		
F. Is this submittal by a JOINT-VENTURE? Please check: YES _____ NO <u>X</u> _____		
If marked "No" skip to Section I. If marked "yes" complete Sections G-H.		

TEC Professional Services Questionnaire

<p>G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.</p>		
<p>1. N/A</p>		
<p>2. N/A</p>		
<p>H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A</p>		
<p>I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.</p>		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
<p>1. Batture, LLC</p>	<p>Landscape Architecture and Surveying</p>	<p>Yes</p>
<p>2. YKMH Consulting, LLC</p>	<p>Mechanical, Electrical, and Plumbing</p>	<p>Yes</p>
<p>3. N/A</p>		
<p>4. N/A</p>		
<p>J. Please specify the total number of support personnel that may assist in the completion of this Project:</p>		
<p style="text-align: center;">39 *This is the number of support personnel provided by subconsultants and is in addition to Royal's 68 personnel</p>		

TEC Professional Services Questionnaire

K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.
PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Imbrie Packard, RA Director of Architect and Construction
Project Assignment:
Architect of Record
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
9 Years
Education: Degree(s)/Year/Specialization:
MA / 2009 / Master of Architecture BS / 2004 / Mathematics Coursework: The Prince's Foundation, New Orleans Building Traditions Program, New Orleans, LA, 2012 Coursework: Virginia Tech Center for European Studies, Riva San Vitale, Switzerland, Travel and Design Studio, 2008
Active Registration: Year First Registered/Discipline:
Year Registered: 2016 Discipline: Architect License No.: 8510
Other experience and qualifications relevant to the proposed Project:
<p>Florida Department of Economic Opportunity (DEO), Rebuild Florida Housing Repair and Replacement Program — Statewide, FL Role: Architect of Record and Program Manager. Contracted Services: Royal provided architectural and structural design services for Florida's DEO Housing Repair and Replacement Program (HRRP), to provide housing assistance to those affected by Hurricane Irma in September 2017. As Program Manager and Architect of Record, Imbrie managed the structural repair design for over 250 homes, and the design of over 300 new homes. Responsibilities: Manage the development of the design and construction drawings for all new construction homes and for all structural repairs on existing homes as part of the program; leading a team of architects and engineers to deliver over 500 stamped sets of drawings for construction; develop prototype designs that were energy-efficient, cost-effective, designed for resiliency, and uniquely Florida; work with over 30 different municipalities to get the work permitted and constructed per program requirements and local building code.</p> <p>NAVFAC Building 266 Renovation — Belle Chase, LA Role: Architect of Record Contracted Services: A/E Services to design the renovation of an existing 10,050 SF of unconditioned pre-engineered metal building to house flight simulators for the Navy. Along with the space and MEP requirements for the simulators, the design included two bathrooms with shower facilities and unconditioned storage areas. Responsibilities: Acted as designer of record for the project managing architects and engineers to complete the design that met the NAVFAC's prescribed design method and UFC requirements.</p> <p>USDA Office Renovation — Thibodaux, LA Role: Architect of Record Contracted Services: A/E Services to design the renovation of an existing 5,000 SF building to meet the requirements of USDA field office. Facility included parking lot, boat storage building, and ware yard for fleet and boat parking. Responsibilities: Acted as designer of record for the project managing architects and engineers to complete the design that met the USDA's prescribed design requirements.</p>

Other experience and qualifications relevant to the proposed Project (continued):**1239 St. Thomas Street Mixed-Use Development — New Orleans, LA**

Role: Architect of Record **Contracted Services:** A/E Services to design a new 3900 SF mixed use building in historic Lower Garden District neighborhood of New Orleans. The program called for first floor office space and second floor 5-bedroom short-term rental unit. The design found a balance of feeling new while retaining the proportions and rhythms of the historic neighborhood. **Responsibilities:** Acted as designer of record for the project managing architects and engineers to complete the design that met the owner's programmatic and style goals while also staying under budget and on time.

837 North Broad Street Dental Office Development — New Orleans, LA

Role: Architect of Record **Contracted Services:** A/E Services to design a new 9800 SF mixed use building in New Orleans. The program called for first floor white box retail space and second floor dental office. **Responsibilities:** Acted as designer of record for the project managing architects and engineers to deliver the project.

City of New Orleans, City of New Orleans Flood Mitigation Assistance (FMA) Home Elevation Program — New Orleans, LA

Role: Architect of Record, Program Manager. **Contracted Services:** Perform design build services to elevate homes in New Orleans as part of FEMA's Flood Mitigation Assistance grant program. The scope of work included site assessment of existing homes, architectural and structural design of home elevations, meeting state historic requirements and review, and managing the elevation construction work. **Responsibilities:** Works with the architectural and engineering staff to design the elevation and façade to be structurally stable and fit within the historic setting of the neighborhood; works with the homeowner to develop the design for an elevation that meets FEMA's historic requirements and the needs of the homeowner; and manages the home elevation and construction work for a complete design/build project delivery.

New Orleans Regional Transit Authority, New Orleans Regional Transit Authority (RTA) Canal Street Ferry Terminal — New Orleans, LA

Role: Construction Manager. **Contracted Services:** Provided construction management services as the owner's representative for their new \$30M Canal Street Ferry Terminal Project that includes a new wharf, ferry terminal building and boarding barges. Royal acted as the owner's representative in the entire CMAR process including creating RFPs for the CMAR project, managing the CMAR design process, providing scheduling services, performing cost estimates, document control, construction management services during construction. **Responsibilities:** Managed meetings, created and reviewed procurement documents, created cost estimate documents, schedule review, estimate review, change order review, pay app review, resident inspection and overall construction management services.

East Jefferson Levee District Safe Room & Consolidated Facilities Civil & Structural Design — Kenner, LA

Role: Project Manager. **Contracted Services:** Structural and Civil Engineering Design of the \$15M Safe Room and Consolidated Facilities for the East Jefferson Levee District. This project included three separate office buildings, a maintenance facility, car wash station, gas station, three separate parking lots, and all new site utilities. The civil design included a stormwater management plan consisting of two large retention ponds, two separate parking lots with both concrete and limestone paving. **Responsibilities:** Successfully managed team of engineers to deliver the civil and structural design and construction administration for the project.

Sewerage and Water Board of New Orleans, Central Yard Facilities Rehabilitation — New Orleans, LA

Role: Project Manager. **Contracted Services:** Design engineering services for the Katrina related repairs to the Sewerage and Water Board's Central Yard facility. The total construction costs for the projects exceeded \$10M. Design scope of work included complete renovation of two existing repair garages, renovation of an administration building, renovation of power room and existing site power distribution, and new construction of administration building. **Responsibilities:** Managed architects and engineers to deliver restoration projects for the Central Yard facility and provided construction administration support. This project includes six separate design packages for repairs related to Hurricane Katrina.

Regional Transit Authority, Carrollton Streetcar Barn Renovation — New Orleans, LA

Role: Project Manager. **Contracted Services:** \$5M renovation to RTA's main streetcar repair facility in historic New Orleans neighborhood. The scope of work included roof repairs, new roofs, new HVAC systems, new heavy duty exhaust fans, electrical systems, drainage system improvements, interior and exterior lighting, restroom renovations, office renovations, lift and crane upgrades, replacement of overhead catenary systems, interior/exterior wall painting, new high performance urethane flooring system, and overhead door replacements. **Responsibilities:** Worked with RTA to determine scope, budget, and overall design; coordinating architectural and mechanical, electrical, and plumbing (MEP) subconsultants, document and drawing management, preparing bid documents, and construction administration.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Samah Mahgoub, AIA Architectural Intern
Project Assignment:
Architectural Designer
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
MS / 2019 / Architecture BS / 2012 / Architecture
Active Registration: Year First Registered/Discipline:
PRINCE2® FOUNDATION: A process-based method for effective project management in controlled environments awarded from APMG-international in Jan. 2017. Sudan Engineering Council (SEC) Certified: (Graduate Engineer)/(Architect) Federation of Sudanese Engineers: ID:E014990
Other experience and qualifications relevant to the proposed Project:
<p>Florida Department of Economic Opportunity (DEO), Rebuild Florida Housing Repair and Replacement Program — Statewide, FL Role: Architectural Designer Contracted Services: Royal provided architectural and structural design services for Florida's DEO Housing Repair and Replacement Program (HRRP), to provide housing assistance to those affected by Hurricane Irma in September 2017. The program scope consisted of the structural repair design for over 250 homes, and the design of over 300 new homes. Responsibilities: Assists in the architectural design and management of both the new home construction and structural repair design including architectural design for new homes; performing zoning and local code review for each home; managing MEP consultants; managing structural engineers; managing deliverables to client; and responding to RFIs during construction.</p> <p>City of New Orleans, City of New Orleans Flood Mitigation Assistance (FMA) Home Elevation Program — New Orleans, LA Role: Architectural Designer Contracted Services: Perform design build services to elevate homes in New Orleans as part of FEMA's Flood Mitigation Assistance grant program. The scope of work included site assessment of existing homes, architectural and structural design of home elevations, meeting state historic requirements and review, and managing the elevation construction work. Responsibilities: Architectural design of home elevations; meeting with homeowners and grant managers to define scope of design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p> <p>Inhab Development, Bertel Construction General Services — New Orleans, LA Role: Architectural Designer Contracted Services: On-call designer for various residential projects including both new construction homes and renovation of existing homes for sale and lease; perform architecture and engineering services on an ongoing basis. Responsibilities: Architectural design of single family homes; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p> <p>WMC Realty, 837 North Broad Street Mixed Use Development — New Orleans, LA Role: Architectural Designer Contracted Services: Provide full architectural and engineering design services on the development of a 9,000 SF mixed-use building in New Orleans. Responsibilities: Architectural design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p>

Other experience and qualifications relevant to the proposed Project (continued):

South Broad Property, South Broad Development — New Orleans, LA

Role: Architectural Designer **Contracted Services:** Provide full design and engineering services for the design and construction of a new 7,500 SF office space. The 2-story brick veneer and metal building include large storefront windows and canopies for a design in line with the local historic fabric. **Responsibilities:** Architectural design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Catherine Reaux, AIA Architectural Intern
Project Assignment:
Architectural Designer
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
2
Education: Degree(s)/Year/Specialization:
BS / 2021 / Architecture
Active Registration: Year First Registered/Discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Florida Department of Economic Opportunity (DEO), Rebuild Florida Housing Repair and Replacement Program — Statewide, FL Role: Architectural Designer. Contracted Services: Royal provided architectural and structural design services for Florida's DEO Housing Repair and Replacement Program (HRRP), to provide housing assistance to those affected by Hurricane Irma in September 2017. The program scope consisted of the structural repair design for over 250 homes, and the design of over 300 new homes. Responsibilities: Architectural design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p> <p>USDA Office Renovation — Thibodaux, LA Role: Architectural Designer Contracted Services: A/E Services to design the renovation of an existing 5,000 SF building to meet the requirements of USDA field office. Facility included parking lot, boat storage building, and ware yard for fleet and boat parking. Responsibilities: Architectural design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p> <p>1239 St. Thomas Street Mixed-Use Development — New Orleans, LA Role: Architectural Designer Contracted Services: A/E Services to design a new 3900 SF mixed use building in historic Lower Garden District neighborhood of New Orleans. The program called for first floor office space and second floor 5-bedroom short-term rental unit. The design found a balance of feeling new while retaining the proportions and rhythms of the historic neighborhood. Responsibilities: Architectural design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p> <p>837 North Broad Street Dental Office Development — New Orleans, LA Role: Architectural Designer Contracted Services: A/E Services to design a new 9800 SF mixed use building in New Orleans. The program called for first floor white box retail space and second floor dental office. Responsibilities: Architectural design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p> <p>City of New Orleans, City of New Orleans Flood Mitigation Assistance (FMA) Home Elevation Program — New Orleans, LA Role: Architectural Designer Contracted Services: Perform design build services to elevate homes in New Orleans as part of FEMA's Flood Mitigation Assistance grant program. The scope of work included site assessment of existing homes, architectural and structural design of home elevations, meeting state historic requirements and review, and managing the elevation construction work. Responsibilities: Architectural design of home elevations; meeting with homeowners and grant managers to define scope of design; architectural modeling, drafting, and rendering; zoning and code review; and existing conditions survey.</p>

Other experience and qualifications relevant to the proposed Project (continued):

Inhab Development, Bertel Construction General Services — New Orleans, LA

Role: Architectural Intern. **Contracted Services:** On-call designer for various residential projects including both new construction homes and renovation of existing homes for sale and lease; perform architecture and engineering services on an ongoing basis. **Responsibilities:** Provides residential design and drafting, that are consistent with New Orleans architecture with modern construction materials, for a single-family home.

South Broad Property, South Broad Development — New Orleans, LA

Role: Architectural Intern. **Contracted Services:** Provide full design and engineering services for the design and construction of a new 7,500 SF office space. The 2-story brick veneer and metal building include large storefront windows and canopies for a design in line with the local historic fabric. **Responsibilities:** assisted in designing a \$1 million property office building for Royal Engineers & Consultants; and reconfiguring zoning requirements and code requirements while providing design options for building interior and exterior designs.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Beau Tate, P.E. Senior Project Engineer
Project Assignment:
Principal Engineer
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
15
Education: Degree(s)/Year/Specialization:
BS / 1998 / Environmental Engineering Minor / 1998 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Professional Engineer, State of Louisiana Year registered: 2004 Discipline: Civil Engineering License No.: 30990
Other experience and qualifications relevant to the proposed Project:
<p>Department of Economic Opportunity (DEO), Rebuild Florida Housing Repair and Replacement Program — Statewide, FL Role: Senior Project Engineer. Contracted Services: Provide architectural and structural design and associated management services for Florida's DEO Housing Repair and Replacement Program (HRRP), which provides housing assistance to those affected by Hurricane Irma in September 2017 by managing and completing the construction process for the repair or reconstruction of damaged homes on behalf of eligible homeowners. Responsibilities: Engineer of Record for structural drawings.</p> <p>Cambridge Seven Associates, Rehabilitation of the World Trade Center Four Season New Orleans Hotel and Residences — New Orleans, LA Role: Senior Engineer. Contracted Services: Provide civil engineering services for the design and construction management of the Four Seasons New Orleans Hotel and Residences, formerly the World Trade Center of New Orleans. Responsibilities: Oversight of the development of the hydraulic/hydrologic drainage study and the preparation of all construction documents.</p> <p>Cameron Parish Administrator, Cameron Parish Hurricane Recovery Program — Cameron, LA Role: Program Engineering Manager. Contracted Services: Implementing program procedures with Cameron Parish, engineers, architects, and contractors to coordinate Federal reimbursement with FEMA and GOHSEP and advance the construction of individual projects. Responsibilities: Directed architectural/engineering firms through the design, bidding, and construction phases, and coordinates with GOHSEP and FEMA in all project phases.</p> <p>Department of Wildlife & Fisheries, Marine Fisheries Investigation & Management Laboratory — Grand Isle, LA Role: Project Design Engineer. Contracted Services: N/A; experience gained during employment by Louisiana Facility Planning & Control. This project consisted of a marine fisheries research complex with marina facilities. The main buildings, with approximate square footage include: administration (5900 SF), education (5100 SF), laboratory (5100 SF), visitor laboratory (800 SF), two dormitories (7800 SF) each, boat sheds (6750 SF), marina (2860 SF) as well as slips, docks and a boat ramp. Responsibilities: Directed the design of the project from the pre-design conference through the production of bid documents; negotiated and approved changes in the designer's/construction contractor's contract; prepared the required contract amendments; and verified the user agency's program and coordinated his input throughout the design process.</p>

Other experience and qualifications relevant to the proposed Project (continued):

LSU Health Sciences Center, Lions Eye Center Restoration, Permanent Repairs and Mitigation of Building Functions and Critical Mechanical/Electrical/Plumbing Systems and Equipment — New Orleans, LA

Role: Project Design Engineer. **Contracted Services:** N/A; experience gained during employment by Louisiana Facility Planning & Control. **Responsibilities:** Directed the design of the project from the pre-design conference through the production of bid documents; negotiated and approved changes in the designer’s/construction contractor’s contract; prepared the required contract amendments; verified the user agency’s program and coordinated his input throughout the design process; and reviewed all FEMA Project Worksheets (PW), ensuring that all project features were covered in the PW and prepared version requests to align the FEMA scope of work, costs, and omitted project features; and engaged subject matter experts as needed, such as industrial hygienists, environmental, electrical, and HVAC for the following state projects:

- Site Restoration, Baton Rouge Campus — Baton Rouge, LA (Civil)
- School of Nursing and Allied Health (SNAHP) Permanent Roof Repairs — New Orleans, LA
- South East Louisiana Hospital Cafeteria, Asbestos Abatement — Mandeville, LA
- Lallie Kemp Regional Medical Center, Kitchen/Dining Crawl Space Asbestos Abatement — Mandeville, LA
- Department of Corrections Headquarters, Replace Primary Electrical Service Equipment — Baton Rouge, LA
- Southern Oaks Addiction Recovery Building, Indoor Air Quality — Monroe, LA
- Avoyelles Correctional Center, Emergency Generator System Replacement — Marksville, LA
- Allen Correctional Center, HVAC Replacements — Kinder, LA

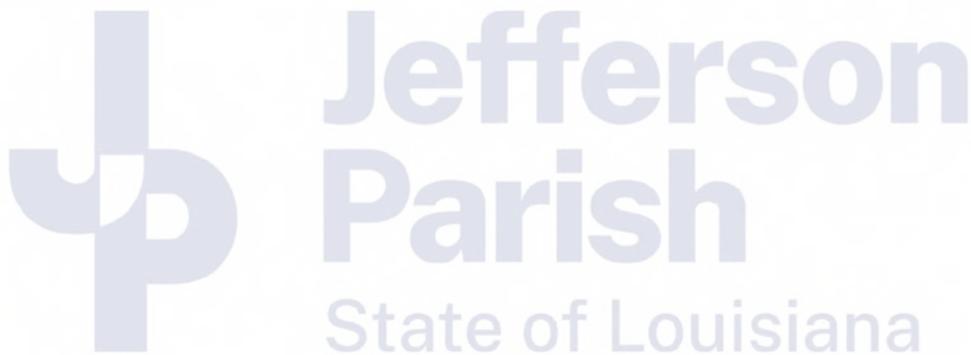


TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Katherine Foreman, P.E. Professional Engineer
Project Assignment:
Civil Engineer
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
7
Education: Degree(s)/Year/Specialization:
BS / 2017 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Professional Engineer, State of Louisiana Year registered: 2021 Discipline: Civil Engineering License No.: 46031
Other experience and qualifications relevant to the proposed Project:
<p>Department of Economic Opportunity, Rebuild Florida Housing and Replacement Program — Statewide, FL Role: Engineer Intern. Contracted Services: Provide architectural and structural design and associated management services for Florida's DEO Housing Repair and Replacement Program (HRRP), which provides housing assistance to those affected by Hurricane Irma in September 2017 by managing and completing the construction process for the repair or reconstruction of damaged homes on behalf of eligible homeowners. Responsibilities: Development of cost estimates and scoping of required action items; development of calculation templates and performing design calculations for foundations and foundation repairs; and development of foundation design drawings and details.</p> <p>LAC Development, The Cove of Moss Bluffs Housing Development, Calcasieu Parish — Moss Bluff, LA Role: Engineer Intern. Contracted Services: Provide professional engineering services for the design and construction management of a 110-lot residential housing development to be constructed near Lake Charles, Louisiana. Responsibilities: Provided engineering support for the design subsurface stormwater, road layout, and site grading for the proposed development.</p> <p>Sizeler Thompson Brown Architects, East Jefferson Levee District Safe Room & Consolidated Facilities Civil & Structural Design — Kenner, LA Role: Engineer Intern. Contracted Services: Providing engineering services for the design and construction of the \$15M Safe Room and Consolidated Facilities for the East Jefferson Levee District. This project included three separate office buildings, a maintenance facility, car wash station, gas station, three separate parking lots, and all new site utilities. Responsibilities: Performed calculations to size the retention ponds and storm drainage system and provided engineering support during construction.</p> <p>M & J Properties of Acadiana, St. Esprit Culvert Design, Carencro, LA Role: Engineer Intern. Contracted Services: Provide engineering design and construction oversight for the design and permitting of a culvert crossing located in St. Esprit Estates in Carencro, LA. Royal was responsible for acquiring survey data to support final design, determining the appropriate pipe size and material to be installed, preparing detailed construction drawings and technical specifications, and preparing a construction report. Responsibilities: Provided engineering support for finalizing the design of the 96" Reinforced Concrete Arch Pipe and performed construction inspection services during installation of the pipe.</p>

Other experience and qualifications relevant to the proposed Project (continued):**DB Architects of Acadiana, Westgate Commercial Development — Scott, LA**

Role: Design Engineer Intern. **Contracted Services:** Provided civil engineering services for a commercial site development in Scott, LA. Performing a drainage impact study and determining appropriate sizes for all drainage and storm water detention utilities to meet the design requirement of the City of Scott. Producing a grading and drainage plan for the proposed site consistent with the results of the drainage impact study to be used for construction. **Responsibilities:** Performed engineering calculations for the project, prepared a drainage impact report, and coordinated preparation of the grading and drainage plans.



TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
William Fontenot, Jr., P.E. Structural Engineer
Project Assignment:
Structural Engineer
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
BS / 2012 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Professional Engineer, State of Louisiana Year registered: 2016 Discipline: Civil License No.: 41036 National Highway Institution Certified Bridge Inspector
Other experience and qualifications relevant to the proposed Project:
<p>Terrebonne Parish Consolidated Government, Hurricane Ida Disaster Recovery — Houma, LA Role: Senior Engineer and Project Manager. Contracted Services: Provide Program Management Services for disaster recovery of over 350 building/dwelling/facility assets plus a Utilities Department that owns and operates an Electric Generation Power Plant and a Transmission and Distribution Grid System of Power Lines throughout the City of Houma, LA. Responsibilities: Oversees all engineering services and provides oversight of needed construction repairs and replacements.</p> <p>Dynamic Solutions, Professional Engineering Services for Roof Repairs — Destrehan, LA Role: Senior Structural Engineer. Contracted Services: Professional engineering services related to the compliance of new roof components and fasteners with architectural drawings. Responsibilities: Attended client meeting to review available project documentation, discuss project goals, and identify concerns about the project; conducted a site visit during the required pull test; identify data gaps in project-specific data; review the final design drawings along with the materials, connections, and fasteners; perform an analysis of 36 different areas of roof repair; and provided a stamped report on the compliance of the components at each area to withstand wind pressures for the following entities:</p> <ul style="list-style-type: none"> • Ethel Schoeffner Elementary School • New Sarpy Elementary School <p>Department of Economic Opportunity (DEO), Rebuild Florida Housing Repair and Replacement Program — Statewide, FL Role: Structural Engineer. Contracted Services: Provide architectural and structural design and associated management services for Florida's DEO Housing Repair and Replacement Program (HRRP), which provides housing assistance to those affected by Hurricane Irma in September 2017 by managing and completing the construction process for the repair or reconstruction of damaged homes on behalf of eligible homeowners. Responsibilities: Completing inspections of homes that were flagged to have a structural deficiency, including visiting the homes and taking measurements and photographs of deficiencies; creating an assessment report for each home outlining the areas of concern and identifying if the damage was flood-related, presented life safety concerns, or was feasible for repair; quantifying deficiencies and proposed repairs; creating cost estimates for proposed repairs.</p>

Other experience and qualifications relevant to the proposed Project (continued):

Lakefront Management Authority, Hurricane Ida Disaster Recovery Engineering Services — New Orleans, LA

Role: Senior Program Engineer. **Contracted Services:** Provide consulting and disaster recovery services to assist with project management, construction management, and administrative support of grant activities as needed for federal and state programs and serve as liaison state and federal agencies, architects, engineers, and contractors. **Responsibilities:** Performed an assessment of the damage sustained by the facilities described below and provided a stamped report documenting the damage and providing repair recommendations.

- Williams Hangar at the New Orleans Lakefront Airport – Conducted an assessment of structural, exterior cladding, and components of the hangar building. The main roof deck over the hangar is a flat roof of approximately 19,600 SF. The perimeter of the main roof deck utilizes a channel system that drains through pipes along the channel. The front parapet wall is 200 FT long and covered entirely with rigid aluminum flashing. Dimensions of the lightweight concrete panels vary in width but are approximately 2’ wide and span between 8’ and 9’.
- Orleans Marina Office Building and Harbor – Conducted an assessment of structural or exterior components of the building as well as the roof damages to the piers. The office is a two-story office building of steel, concrete, and timber construction. The footprint of the building is approximately 1,560 square feet (SF) of which 2,620 SF is enclosed between the first and second floor. Concrete columns on the first floor support a concrete-deck ceiling which serves as the second-level floor. Steel columns support timber glulam beams which span the length of the building above the second floor. The glulam beams support a tongue-and-groove timber roof deck which is covered with standing-seam metal roof panels. The roof is a form of Polynesian gable with a continuously varying pitch. The ridge slopes down toward the middle of the building as the gable pitch decreases. The total surface area of the roof is approximately 3,700SF.

State of Louisiana Office of Community Development (OCD), Restore Louisiana Homeowners Assistance Program — Statewide, LA

Role: Structural Engineer. **Contracted Services:** N/A, experience gained with previous employer which included implementation of the structural services for the RESTORE Program. Royal’s scope of services included Damage Assessments, Case Management, Quality Assurance / Quality Control (QA/QC), and Professional Engineering. **Responsibilities:** Completed inspections of homes that were flagged to have a structural deficiency, including visiting the homes and taking measurements and photographs of deficiencies; creating an assessment report for each home outlining the areas of concern and identifying if the damage was flood-related, presented life safety concerns, or was feasible for repair; quantifying deficiencies and proposed repairs; creating cost estimates for proposed repairs; oversaw a sub-contracted engineering firm that performed similar assessments; reviewing their reports and assisting them with information needed to create the cost estimate; worked with the pre-con leads and schedulers to ensure all homes with structural issues were seen to in a timely manner that is consistent with the scope of services; and developed program processes, SOPs, workflows for various program-related assignments.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Laudun Landry, P.E. Professional Engineer
Project Assignment:
Structural Engineer
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
BS / 2017 / Civil Engineering
Active Registration: Year First Registered/Discipline:
Professional Engineer, State of Louisiana Year registered: 2021 Discipline: Civil License No.: 45878
Other experience and qualifications relevant to the proposed Project:
<p>Department of Economic Opportunity (DEO), Rebuild Florida Housing Repair and Replacement Program — Statewide, FL Role: Structural Engineer. Contracted Services: Provide architectural and structural design and associated management services for Florida's DEO Housing Repair and Replacement Program (HRRP), which provides housing assistance to those affected by Hurricane Irma in September 2017 by managing and completing the construction process for the repair or reconstruction of damaged homes on behalf of eligible homeowners. Responsibilities: Completing inspections of homes that were flagged to have a structural deficiency, including visiting the homes and taking measurements and photographs of deficiencies; creating an assessment report for each home outlining the areas of concern and identifying if the damage was flood-related, presented life safety concerns, or was feasible for repair; quantifying deficiencies and proposed repairs; and creating cost estimates for proposed repairs.</p> <p>Coastal Protection and Restoration Authority (CPRA), Cameron-Creole Maintenance & Repairs Project (CS-004a) — Cameron Parish, LA Role: Structural Engineer. Contracted Services: Provide all engineering, design, surveying, permitting, and construction administration and oversight services necessary for the maintenance/repair work to the Cameron-Creole Maintenance Project (CS-04A) damaged by Hurricane Laura. Features include: (1) Mangrove Bayou: Water Control Structure and Interior Canal Plug, (2) Grand Bayou: Water Control Structure, Interior Canal Plug, and Levee Breach, (3) Lambert Bayou: Water Control Structure and Levee Breach, and (4) No Name Bayou: Water Control Structure and Levee Breach. General repair activities are inclusive of excavation and dredging of siltation and debris, placement of hauled in fill materials and rip rap, installation of sheet pile wall structures, and mechanical repairs to existing structures. Responsibilities: Performing structural engineering services for Final Design and serves on the Red Team Review panel.</p>

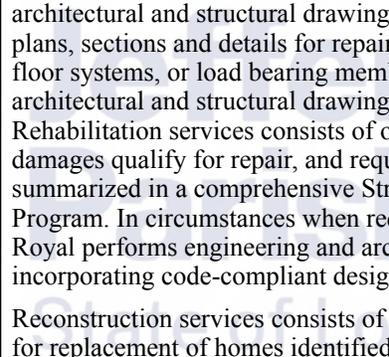
TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
DeWain Butler Drafter
Project Assignment:
Drafter
Name of Firm with which associated:
Royal Engineers and Consultants, LLC
Years' experience with this Firm:
<1
Education: Degree(s)/Year/Specialization:
Formal training in AutoCAD, AutoCAD Map 3D, and Civil 3D
Active Registration: Year First Registered/Discipline:
N/A
Other experience and qualifications relevant to the proposed Project:
<p>Naval Air Station Joint Reserve Base New Orleans, NAVFAC P526U Visitor Control Center and Commercial Inspection Facilities — Belle Chasse, LA Role: Drafter/Designer. Contracted Services: Create, approve, and stamp, a design-build 100% for construction set of drawings/plans using all required UFC codes for a new visitor control center building, commercial vehicle sae office, 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. Responsibilities: Design drawings for 30/50% submittal.</p> <p>Parking Lot Design, Odessa House Louisiana, Inc. — New Orleans, LA Role: Drafter/Designer. Contracted Services: Drafting construction drawings for the development of an approximately 7854 square foot lot for the construction of an accessory parking lot, including implementation of a permeable pavement system to comply with City of New Orleans stormwater ordinance. Construction features include approximately 3552.8 SF of concrete paving, 2298.7 SF of permeable pavers, 2298.7 of 24" thick permeable paving base course, 239.9 LF of barrier curbing, 173.3 LF of perforated underdrain pipes, 105.7 LF of PVC drainage pipe, 2 drain inlets, and pavement striping to delineate parking spaces. Responsibilities: Development of title sheet, general notes, existing and proposed site plans, grading and drainage plans, and details required for construction.</p> <p>Various Clients, AutoCAD drafting and design services, Various locations in South Louisiana Role: AutoCAD Drafter/Designer. Contracted Services: N/A; experience gained with previous employer. Responsibilities: 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.</p>

TEC Professional Services Questionnaire

Key Personnel	Work History
Imbrie Packard, R.A. Principal Architect	Royal Engineers and Consultants, LLC (2014 – Present) Hernandez Consulting / Albert Architecture (2013 - 2014) CDM Smith (2011 -2012) SRF Group Consulting, LLC (2009 – 2011)
Samah Mahgoub, AIA Architectural Intern	Royal Engineers and Consultants, LLC (2020 – Present) College of Creative Arts, Miami University, Oxford, Ohio (2017 – 2019) INZO for Trading and Contracting (2014 - 2017) IWAN Consultancy (2013 – 2014) National Ribat University (2012 - 2013)
Catherine Reaux, AIA Architectural Intern	Royal Engineers and Consultant, LLC (2021 – Present)
Beau Tate, P.E. Senior Civil & Environmental Engineer	Royal Engineers and Consultants, LLC (2008 – Present) Louisiana Division of Administration – Facility Planning & Control (2007 – 2008) Louisiana Department of Natural Resources (2001 – 2007)
Katherine Foreman, P.E. Professional Civil Engineer	Royal Engineers and Consultants, LLC (2015 – Present)
William Fontenot, Jr., P.E. Professional Structural Engineer	Royal Engineers and Consultants, LLC (2021 – Present) IEM, Inc. (2017 – 2021) Huval & Associates Inc. (2012 – 2017)
Laudun Landry, P.E. Professional Structural Engineer	Royal Engineers and Consultants, LLC (2022 – Present) Louisiana Department of Transportation and Development (2020 – 2022) GHD Engineering (2018 - 2020) CH2M Hill / Jacobs Engineering (2017 – 2018)
DeWain Butler Drafter	Royal Engineers and Consultants, LLC (2022 – Present) AECOM Technical Services (2005 – 2022)

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: Rebuild Florida Housing Repair and Replacement Program (HRRP)</p> <p>Location: Statewide, FL</p> <p>Owner Information: Florida Department of Economic Opportunity (DEO) 107 E Madison St Tallahassee, FL 32399 850.245.7105</p>	<p>Subconsultant: A/E Services for Residential Rehabilitation & Reconstruction, Structural Damage Assessments, A/E construction drawings, Construction Administration</p> <p>Scope: The Florida Department of Economic Opportunity (DEO) Housing Repair and Replacement Program (HRRP) is a centralized housing repair or replacement program for Low and Moderate-Income (LMI) families impacted by Hurricane Irma. The HRRP manages the design and construction process for the repair or reconstruction of damaged homes on behalf of eligible homeowners.</p> <p>Royal was contracted in October of 2019 to provide professional engineering and architectural services for the HRRP, which included completing structural evaluations of homes participating in the program and performing design services for both rehabilitation and reconstruction efforts. Royal's design services include managing land surveys, elevation certificates, geotechnical analysis, and stamped architectural and structural drawings. Structural repair drawings typically include plans, sections and details for repairing or replacing existing foundation systems, floor systems, or load bearing members. Reconstruction drawings include full architectural and structural drawings with plans, sections, details, and schedules. Rehabilitation services consists of on-site structural assessments, determinations if damages qualify for repair, and required repair solutions, which are all summarized in a comprehensive Structural Assessment Report prepared for the Program. In circumstances when required repairs necessitate design services, Royal performs engineering and architectural design services using REVIT, incorporating code-compliant design solutions.</p> <p>Reconstruction services consists of architectural and engineering design drawings for replacement of homes identified for reconstruction by the Program. Royal developed five sets of standard prototypes from which the Program and applicants can select a replacement home. Once the replacement home is selected, the standard architectural and engineering drawings are either reconfigured or reproduced so that it fits within the property's footprint, and each design is detailed to meet the most stringent wind requirements of the state of Florida, as well as the requirements of the local zoning ordinances and building regulations.</p>	
		
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$800,000,000	\$4,534,220

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: NAVFAC Repair Bldg 266 at Naval AIT Station</p> <p>Location: Belle Chase, LA</p> <p>Owner Information: NAVFAC Southeast Region - Naval Air Station (NAS) Joint Reserve Base (JRB) / Justin J. Reeves Construction</p> <p>7836 Park Avenue Houma, LA 70364 985.870.2311</p>	<p>Prime: A/E – Architect, Structural Engineering, Civil Engineering</p> <p>Scope: Royal was selected by Justin Reeves Construction to be the A/E design partner in the Design-Build project to renovate a storage and workout facility on the Belle Chase Joint Reserve Base into a conditioned building to house flight simulators. The existing building was pre-engineered metal building comprising of 10,050 SF of unconditioned space. The design challenges were, first, to insulate the space successfully to condition the building, and second, to meet the strict mechanical and electrical requirements of the flight simulator machines. Along with the rooms for the simulators the design included two bathrooms with shower facilities and unconditioned storage areas.</p> <p>Royal assembled a team of architects, mechanical engineers, and electrical engineers to develop an integrated design approach to the renovation task. To fully understand the needs of the flight simulators the Navy required the design team to visit Jacksonville, North Carolina to perform an inspection and report on their existing flight simulation facilities and approach to the design. Royal took this information and created a best practice guide for the renovation of Building 266 that exceeded the Navy's requirements while considering cost and constructability.</p> <p>The final design consisted of sealing the building envelope from the outside with a combination of sealant and spray foam insulation to create a complete moisture barrier. Then insulating the space with a bat insulation system to minimize thermal transmittance. The HVAC system was designed to both heat and cool the space and provide direct heating and cooling to the simulator machines.</p> <p>As the architect of record, Royal was able to meet the various quality control requirements of the project and technical requirements of the simulators to deliver a design that was within budget and schedule. Royal's integrated design approach connected all the design disciplines with stakeholders and contractors to align for a common goal and deliver a successful project.</p>	
	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
10/2018	\$200,000	\$185,541

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: USDA Thibodaux Office Renovation – Architecture / Engineering Services</p> <p>Location: Thibodaux, LA</p> <p>Owner Information: U.S. Department of Agriculture / Justin J.Reeves, Construction</p> <p>736 Park Avenue Houma, LA 70364 985.870.2311</p>	<p>Prime: A/E - Architect, Structural Engineer, Civil Engineer</p> <p>Scope: The property on 525 St. Mary Boulevard is being redeveloped into a commercial office building to house the USDA Natural Resource Conservation Service (NRCS) and Farm Service Agency (FSA) per the USDA Request for Lease Proposals No. 57-22057-20-FA. Royal has partnered with JJR Construction to perform the architecture and engineering design services for the project as part of a Design Build team. The scope of work consists of the complete renovation of an existing 5,000 office space and new construction of a 3,150 SF dry boat storage building and covered parking area. Project features include a parking lot and a ware yard to accommodate fleet vehicles and boat storage and maintenance. Royal is responsible for providing architectural, civil, structural, mechanical, and electrical design services for the development.</p> <p>Royal's integrated design approach included meetings with all stakeholders, designers, and contractors early in the design process to set goals and help ensure a collaborative and successful environment. Using Revit/BIM modeling software we modeled the existing building to create the framework for the renovation. This allowed our subconsultants to work directly with our model to eliminate conflicts during construction.</p> <p>Originally a doctor's office, the office space needed to be converted to accommodate three separate groups within the USDA, the FSA, NRCS, and NRCS-Watershed. Each group needed separate areas to work with a combination of open office space, private offices, and private storage pair with separate amenities including a shared breakroom, conference room, and bathrooms. Royal stepped up to the challenge of resolving all the USDA's space and planning needs with the existing building and load bearing wall configuration. Our design team was able to enclose existing space, propose an addition, and create a layout that worked with each stakeholder group. The final design incorporated all the building requirements of the USDA while maintaining the scope and budget of the original design build proposal.</p>	
	<p>The project is permitted and currently under construction. Royal is performing Construction Administration on the project.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
06/2023 (In Construction)	Entire Project: \$1,100,000	Work for which Firm was Responsible: \$61,790

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 4

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Project Name:
1239 St. Thomas Street

Location:
New Orleans, LA

Owner Information:
Inhab Group
1222 Annunciation St.
New Orleans, LA 70130
504.232.1934

Prime:
Architect, Structural Engineering, Civil Engineering

Scope:
Royal was hired by Inhab Group to perform the architectural design for a new 3800 SF mixed use development. The proposed project is located in the Lower Garden District Historic Neighborhood of New Orleans, Louisiana. It was important for the developer and the local historic district commission to continue similar proportions and opening patterns as the existing fabric of the neighborhood while the design being a starkly different design language.

Royal started the project after schematic design and performed the design development and construction drawing phases of the project. The final design modified the original metal panel exterior to a fiber cement siding façade that created a single mass with voids as openings. The program called for commercial office space on the ground floor and short-term residential on the second floor. Royal performed architecture, landscape, structural and civil design services for the project. The scope included an exterior stair, polycarbonate canopy, and landscape design.

The project is permitted and currently under construction. Royal is performing Construction Administration on the project.



Completion Date (Actual or estimated):

Estimated Cost:

Entire Project:

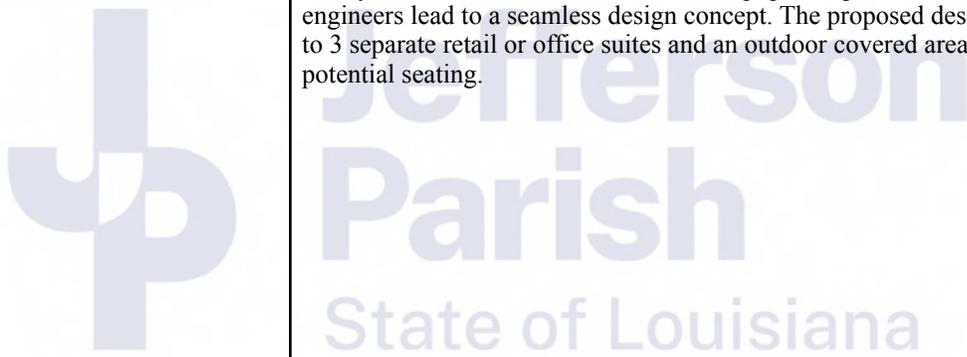
Work for which Firm was Responsible:

03/2023 (In Construction)

\$950,000

\$28,595

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: 837 N Broad Street Dental Office Development</p> <p>Location: New Orleans, LA</p> <p>Owner Information: WMC Realty Group 504.701.9697</p>	<p>Prime: A/E - Architect, Structural Engineer, Civil Engineer</p> <p>Scope: Royal was selected by WMC Realty Group to design the new mixed-use building on Broad Street of New Orleans. The project consisted of 4,500 SF of a 2nd floor dental office and 4,500 SF of white box retail space on the first floor. The building was designed as an elevated concrete slab, with steel, concrete block, and wood framing. The design included storefront windows and stucco façade. Royal worked with the developer to maximize space and efficiency given the property boundaries and zoning requirements.</p> <p>Royal managed a team of architects, engineers, and landscape architects to deliver a project that met the complex technical requirements of the dental office while maintaining flexibility for any future tenant in the first-floor white box spaces. Heavy coordination between the dental equipment provider and the MEP engineers lead to a seamless design concept. The proposed design allowed for up to 3 separate retail or office suites and an outdoor covered area in the back for potential seating.</p>	
		
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$1,250,000	\$58,040

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: City of New Orleans Flood Mitigation Assistance (FMA) Home Elevation Program</p> <p>Location: New Orleans, LA</p> <p>Owner Information: City of New Orleans, Department of Public Works 1300 Perdido St., Suite 6W03 New Orleans, LA 70122 504.658.8000</p>	<p>Prime: Architecture, Structural Engineering, Construction Management</p> <p>Scope: City of New Orleans Flood Mitigation Assistance (FMA) Home Elevation Program elevates homes in flood prone regions of the city to current FEMA elevation standards. Royal was selected by 3 separate homeowners in the program the act as the Design Build contractor to elevate the home.</p> <p>As the Architect and Engineer of Record, Royal provided complete design drawings for the home elevation projects. All three projects were located in the historic Broadmoor neighborhood and two of the projects were considered historic which required a separate submission for approval to FEMA's historic review. All three designs intended to retain the original nature of the home while functionally achieving the goals of the program.</p>	
		
		
Completion Date (Actual or estimated):	Estimated Cost:	
Ongoing	Entire Project: \$365,000	Work for which Firm was Responsible: \$365,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: New Orleans Regional Transit Authority (RTA) Canal Street Ferry Terminal</p> <p>Location: New Orleans, LA</p> <p>Owner Information: Regional Transit Authority 2817 Canal Street New Orleans, LA 70119 504.827.8302</p>	<p>Prime: Project Management / Construction Management (PMCM) oversight</p> <p>Scope: The Ferry Terminal project is located at the "confluence" of Canal Street and the Mississippi River, with this project the RTA will be adding a 4th dimension to its system that will generate more public access to the river and a new level of marine based public transportation. The new Ferry Terminal will harness the advantages of a centralized position in a very public space that enjoys continued improvement and restoration from both public and private sources.</p> <p>The project features all-new, high-speed "catamaran" style ferry boats, new wharf, designed to provide "connectivity" between the Audubon Aquarium of the Americas and Spanish Plaza, a new dock and terminal to provide ADA compliant boarding by way of articulated gangways, new hardscaping, landscaping, a new bus stop and rail spur.</p> <p>Royal is currently providing the Project Management / Construction Management (PMCM) oversight for this project. Over the past three years Royal has assisted the RTA with following project phases:</p> <ul style="list-style-type: none"> • Phase 0 (Program Development) – During this phase Royal provided preliminary project development that included on call pool optimization(assistance in architect and engineer pool procurement package agreement), preparation of procurement options analysis (analysis of project delivery methods; design bid build vs. Construction Manager AtRisk (CMAR), agency permitting development and coordination, and preparation of project risk analysis. • Phase 1 (Master Plan & Due Diligence) – During this phase Royal coordinated and managed site investigation activities including boundary and topographic surveys, ground penetrating radar exploration, marine bathymetry survey, master schedule development, vision alignment with adjacent project stakeholders, design development assistance and review,FTA documentation support, constructability analysis, construction plans and specifications review and bid package review and assistance. <p>Recently new legislation has allowed the use of the CMAR delivery method to be used for projects above \$5M. Currently Royal is assisting the RTA with its first ever CMAR project. During this phase, referred to as "Phase 2", Royal assisted the RTA with CMAR RFQ Development. And is currently providing Preconstruction Support, Construction Management, and Resident Inspections for this final phase.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Estimated 2021	\$21,000,000	\$2,100,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: EJLD Consolidated Facility & Safehouse</p> <p>Location: Kenner, LA</p> <p>Owner Information: Sizeler Thompson Brown Architects 300 Lafayette St #200, New Orleans, LA 70130 504.523.6472</p>	<p>Subconsultant: Civil and Structural Design Engineering</p> <p>Scope: Royal Engineers and Consultants (Royal) was contracted by Sizeler Thompson Brown Architects to provide Civil and Structural Design Engineering Consulting Services for the East Jefferson Levee District (EJLD) – Safehouse and Consolidated Facilities. Services included schematic design, design development, construction documents, bidding and negotiations, and construction administration. The first three phases included drawings and specifications.</p> <p>During the schematic design phase, Royal investigated alternative construction types, attended necessary conferences, prepared necessary analysis, drawings, and other documents, provided general consultations, and made recommendations with regards to the project. Also, when necessary, Royal consulted with public agencies and other organizations. Once the schematic designs were approved, Royal was asked to prepare Design Development documents that contained drawings, specifications, construction cost estimate and other required documents. Construction Documents were prepared upon the approval of the Design Development documents. The construction document consisted of drawings and specifications to fix and described materials, equipment, component systems and types of construction or installation needed. Royal assisted in obtaining and evaluating bids or negotiated proposals and assisted in awarding and preparing contracts for construction or installation. Royal provided construction administration and made bi-weekly site visits during construction, observing the work in progress and attended monthly project OAC meetings</p>	
		
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
09/2016	\$15,000,000	\$225,102.74

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: Central Yard Facilities Rehabilitation</p> <p>Location: New Orleans, LA</p> <p>Owner Information: City of New Orleans Sewerage and Water Board 625 St Joseph St New Orleans, LA 70165 504.865.0652</p>	<p>Prime: Evaluation, design, & construction administration for the complete renovation for 4 maintenance buildings</p> <p>Scope: The Sewerage and Water Board of New Orleans contracted Royal to evaluate, design, and administer the restoration of nine buildings that comprise the master maintenance facility for the Sewerage and Water Board Central Yard. The scope of work for the facility includes 25,000 sf of Offices and 70,000 sf of enhanced heavy maintenance facilities. During Hurricane Katrina, the buildings that make up the Central Yard sustained significant damage from both water and wind. The total construction costs for this project is approximately \$8 million. Hazard Mitigation features include elevated, steel framed emergency generator enclosures, elevated electrical switchgear, alternate roof designs, and alternate interior designs on lower floors.</p> <p>Royal acted as prime consultant and lead the evaluation, design, and construction administration for the complete renovation of an administration building, two maintenance repair garages with office space, and an electrical distribution building. Royal also lead the design and construction of a new annex administration building. Under this contract Royal performed field investigations, created preliminary design reports, cost estimates, construction documents, assembled bid packages, managed the bid process, evaluated change orders, performed construction administration, reviewed close-out documents, and created record drawings.</p> <p>Under this contract Royal lead the creation of 6 separate construction projects which included full design, bid/contract documents, and construction projects. Royal was able to work successfully with the Sewerage & Water Board to ensure the projects complied with the requirements for FEMA reimbursement and the documentation that goes along with applying for FEMA reimbursement. Starting in 2009, Royal assisted the Sewerage & Water Board in planning each project so that the facility was able to stay in operation throughout the construction period.</p>	
 		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$5,500,000	\$884,529.12

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Project Name: RTA Carrollton Street Car Barn Renovations</p> <p>Location: New Orleans, LA</p> <p>Owner Information: Regional Transit Authority Martin Pospisil 504.827.8393 martin.pospisil@transdev.com</p>	<p>Prime: Architectural / Engineering Services, Architecture, Civil Engineering</p> <p>Scope: The Regional Transit Authority of New Orleans selected Royal Engineers to provide architecture and engineering design and construction administration services for a complete renovation to the Carrollton Streetcar Barn facility totaling \$4.5M in construction costs. The facility is over 10,000 SF and includes offices, wood shops, metal shops, streetcar repair areas, paint booths, and bathrooms. The original building was built in 1893 and is considered a National Historic Structure. It remains today the primary repair/rebuild facility for streetcars and their components in New Orleans. Over its life, portions of the facility have been upgraded and usages have changed, but the building itself remains remarkably original.</p> <p>The design intent for the project was to bring the building up to a modern standards while preserving its architectural character. Royal successfully developed a design complying with SHPO guidelines, facility needs, and current codes. The scope includes the following:</p> <ul style="list-style-type: none"> Roof repairs and upgrades, designed to meet current code and needs HVAC, Mechanical Systems, Electrical Systems and Distribution upgrades Drainage systems upgrades Interior and exterior lighting upgrades Restrooms, office and break room remodeling Lifts, cranes, paint booths and equipment repairs and upgrades Overhead catenary systems repairs Interior and exterior walls repainted and high performance urethane concrete flooring system installation New CCTV system Door and hardware replacement Overhead doors refurbishment <p>A unique requirement of the contract is to develop repair scenarios and sequences that will allow the Barn to remain functional throughout the repairs. Machinery and functions critical to the custom fabrication of replacement parts for the street cars cannot be taken out of production. Royal prepared bid construction documents, assisted in evaluation of the bids, made award recommendations, and will provide construction administration and closeout services.</p>	
		
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Design - 10/2014 Construction - 03/2017	\$5,000,000	\$505,000

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
Royal Engineers and Consultants, LLC has never been a party in litigation with Jefferson Parish.		
2.		
N/A		
3.		
N/A		

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project.

Royal Engineers and Consultants is recognized as a leader in the Architectural and Engineering industry with a reputation for delivering exceptional service to clients while enhancing the lives of the people and communities where we work. Royal has been delivering A&E services to our clients with a portfolio of both renovation and new construction projects. Royal's diverse team of architects, engineers, construction managers, and inspectors provides a depth of knowledge and expertise giving our clients the best service in the true spirit of the A&E concept.

The professional in charge of Architecture at Royal, Mr. Imbrie Packard, is a licensed architect and experienced project manager who has led a variety of different types of design, construction, and management projects throughout Louisiana and the Gulf South Region. His education includes a Bachelor of Science in Mathematics, and a Master of Architecture. Mr. Packard leads various Architecture, Engineering, and Construction projects. Throughout his career, Imbrie's diverse experience has often landed him in interesting new roles such as the lead architect in the design of the first standalone decontamination facility for the United States Department of Veterans Affairs (VA), leading the Civil and Structural design of a new \$15M facility for the East Jefferson Levee District, managing the construction of \$3M of work as a subcontractor on the \$1B VA Medical Center in New Orleans, assisting the Regional Transit Authority (RTA) in creating their first Construction-Manager-At-Risk request for proposal (RFP) for a \$30M ferry terminal, and assisting the Coastal Protection and Restoration Authority (CPRA) in the state's first Outcome Based Performance Contract (OBPC) for a \$60M marsh creation project.

Royal's Architecture service capabilities include programming, schematic design, design development, construction documents, construction administration, 3-D rendering, sustainable design, and pre-development consulting services. Royal prides itself on an exceptional track record that exemplifies our unwavering commitment to providing quality services to our clients. We provide added value to our Architecture & Engineering services by integrating architectural design with our engineering and construction expertise, while maintaining our primary focus on our client's needs.



Adding Value

Beyond fulfilling programmatic demands, we aim to design inspiring spaces that increase productivity, perform efficiently, and create value throughout the life cycle of the building. At Royal, our approach is to work with stakeholders to understand the complete picture of their needs, including design and construction timelines, budget, and big picture goals. While elegant architectural solutions can resolve certain design problems, implementing innovative project delivery methods, fast-tracking design services, and value engineering may be the solution to project success. Our mission is to deliver a work product that exceeds performance expectations in relation to scope, schedule and budget while creating spaces of the highest quality.

TEC Professional Services Questionnaire

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project. (Continued)

Design Approach

Royal utilizes an integrated design approach that brings together all design disciplines, stakeholders, and contractors from the onset of the project. This approach aligns all participants in the design process with a common goal, creates an atmosphere of teamwork, and leads to innovative solutions where each party considers the project holistically as opposed to working only in their respective field. Allowing designers to understand owner and contractor concerns and vice versa during the design creates a productive dialog that leads to success during construction.

Our architects design using Revit, a 3D modeling software, that is also used by structural, mechanical, and electrical engineers. With the entire team working in the same shared Revit model, we can detect potential conflicts early in the design and have ample time to resolve all potential conflicts. The model also allows the design team to communicate complex design ideas in 3 dimensions and share renderings at all stages of the design.

Royal's design process follows The American Institute of Architects (AIA) Five Phases of Architecture that are commonly referred to throughout the industry: Schematic Design, Design Development, Contract Documents, Bidding, Contract Administration. At Royal we also often participate in the pre-design activities including programming, site selection, existing building inspection and report, survey, geotechnical analysis, zoning and code review, and cost estimating. The following describes each phase of a project, and how Royal approaches it.

The American Institute of Architects



0. Pre-Design

Pre-design is an information gathering phase that informs the rest of the project. Each component of pre-design may already be completed by the time Architectural services are initiated, but sometimes this is included in our scope. During this phase the information about the site, such as an existing building inspection and report, site survey, geotechnical analysis, and zoning requirements review are often performed. This information sets the parameters for the design.



1. Schematic Design

In this phase, we begin the process of translating the Program into an efficient building design. Royal's architects will start exploring design concepts, testing options, and getting a general idea of the look and feel of the project. The project needs established by the Program are to be considered against site, budget, and construction constraints. Adjustments to the program may be made at this time based upon the validation of the project needs against constraining factors. During this phase many "schemes" or high-level design solutions will be explored, each being a different solution to address the needs of the program requirements. This phase of the process is very iterative, making use of several sketches and ideas to arrive at a final schematic resolution. During this phase, preliminary floor plans, and building massing are developed to support the final schematic solution that is presented to the client for approval prior moving on to the next phase. At the conclusion of this phase, we typically consult an independent cost estimator to confirm the project is within the owner's budget.

TEC Professional Services Questionnaire

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project. (Continued)



2. Design Development

The design development phase furthers the design process through the development and refinement of the approved Schematic Design. During this phase, we will take the design and expand it from a concept level towards a complete design which includes starting to detail how systems come together, select proposed finish systems for review, perform a comprehensive code/life safety analysis, and create draft renderings. These design decisions will act as the foundational basis of the project Construction Documents to follow. During design development -- building systems will be decided upon, along with finalization of the building plans and exterior elevations. At the conclusion of this phase, we typically provide the higher level of detail to the independent cost estimator to confirm the design decisions and changes are still within the owner’s budget. At this phase the drawing set will be reviewed by the entire project team for consistency and constructability.



3. Construction Documents

Construction Documents are the final drawings and specifications developed for the construction of the project that will be stamped and signed by licensed architects and engineers. Construction Documents will include drawings, specifications, and often sample contract documents for bidding. This is the information provided to a contractor to execute the intended building design and typically includes details for all construction conditions. Prior to stamping the set of drawings, the entire set is reviewed and coordinated with the entire project team to check for any conflicts and confirm a coherent and unified drawings set. This Red Team Review includes construction managers and inspectors familiar with common issues on construction projects that can often catch potential issues before they happen. After the Red Team Review comments are captured in a revised set of drawings and specifications, the package is stamped and submitted to the owner.



4. Building Permitting

Royal often offers the Permitting services where we submit the project documents to the different permitting agencies required for the project and coordinate all reviews and requested changes to the project. Allowing the design team to own this process puts the responsibility on them to design to code and advocate for their design with the reviewing agencies. During this phase we add to the Construction Documents any additional information required to get a building permit and other approvals required for construction. This is the information needed to show the project complies with the applicable land use, building, and energy codes, and any other applicable guidelines and regulations required by the city or jurisdiction issuing the permit.

TEC Professional Services Questionnaire

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project. (Continued)



5. Bidding & Negotiation

Royal can support the bidding and negotiation process with the client in various forms. We are familiar with assisting in the creation of procurement documents, following state and federal bid law, answering RFIs, creating bid addendums, and supporting our clients through this process. Royal has participated at every of the procurement process and can assist owners with our industry experience and knowledge.



6. Construction Administration

At Royal, our entire design process is focused on the successful construction of the project. We detail our projects to utilize familiar and straightforward construction methods with the intention of simplifying the construction process and reducing contractor confusion. During the Construction Administration phase, we understand time is of the essence and prioritize responses to any project in construction. Along with typical CA services Royal can provide Construction Management as the owner's representative and provide resident inspection for construction projects. We are well versed in construction contracts, change order negotiation, schedule review, and quality assurance standards.

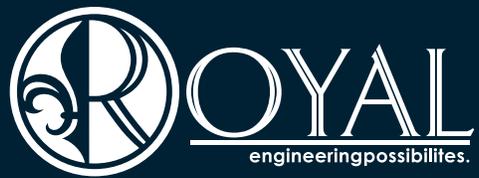


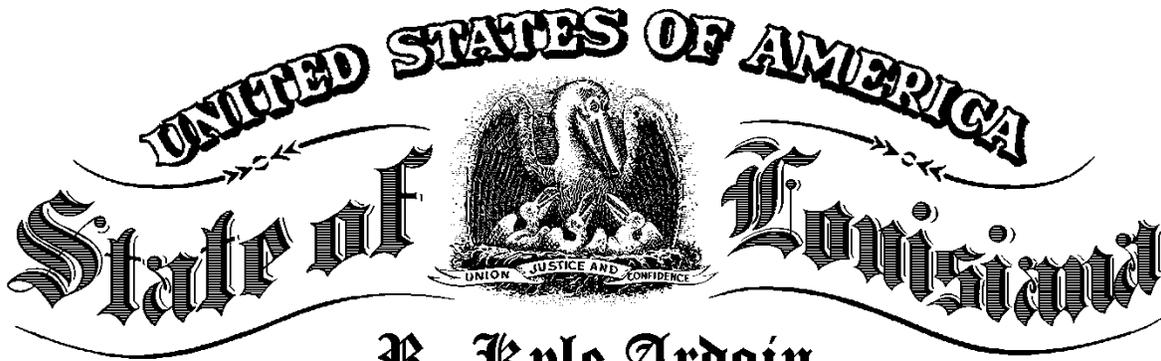
O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature: 
 Title: President

Print Name: Michael Pugh, P.E.
 Date: January 19, 2023

**Licenses and Certifications:
Royal Engineers and Consultants, LLC**





R. Kyle Ardoin

SECRETARY OF STATE

As Secretary of State of the State of Louisiana, I do hereby Certify that

ROYAL ENGINEERS AND CONSULTANTS, L.L.C.

A limited liability company domiciled in NEW ORLEANS, LOUISIANA,

Filed charter and qualified to do business in this State on September 12, 2005,

I further certify that the records of this Office indicate the company has paid all fees due the Secretary of State, and so far as the Office of the Secretary of State is concerned, is in good standing and is authorized to do business in this State.

I further certify that this certificate is not intended to reflect the financial condition of this company since this information is not available from the records of this Office.

In testimony whereof, I have hereunto set my hand and caused the Seal of my Office to be affixed at the City of Baton Rouge on,

May 13, 2020

Secretary of State

Web 36013193K



Certificate ID: 11207438#ARK73

To validate this certificate, visit the following web site, go to **Business Services, Search for Louisiana Business Filings, Validate a Certificate**, then follow the instructions displayed.
www.sos.la.gov

State of Louisiana
Board of Architectural Examiners

The firm whose name appears on this certificate is in compliance with the provisions of the Louisiana State Board of Architectural Examiners' Licensing Law and Rules and Regulations and is duly registered and entitled to practice architecture in the State of Louisiana.

CERTIFICATE OF AUTHORITY NO. AF0569

EXPIRES June 30, 2023

Royal Engineers and Consultants, L.L.C.

Frank B. Blitch
President

[Signature]
Secretary

[Signature]
Executive Director



June 24, 2022
Date

\$75.00
Fee Paid

(ALL CERTIFICATES BECOME DELINQUENT AFTER EXPIRATION DATE)

State of Louisiana
Board of Architectural Examiners



Registration No. AF0569

Expires June 30, 2023

Royal Engineers and Consultants, L.L.C.

The above named is duly registered and entitled to practice Architecture in the state of Louisiana until the indicated expiration date.

[Signature]
Executive Director

State of Louisiana
Board of Architectural Examiners

The individual whose name appears on this certificate is in compliance with the provisions of the Louisiana State Board of Architectural Examiners' Licensing Law and Rules and Regulations and is duly registered and entitled to practice architecture in the State of Louisiana.

LICENSE NO. 8510

EXPIRES December 31, 2023

Imbrie Packard, NCARB

Frank B. Blitch
President

[Signature]
Secretary

[Signature]
Executive Director



December 30, 2022
Date

\$90.00
Fee Paid

(ALL LICENSES BECOME DELINQUENT AFTER EXPIRATION DATE)

State of Louisiana
Board of Architectural Examiners



License No. 8510

Expires December 31, 2023

Imbrie Packard, NCARB

The above named is duly registered and entitled to practice Architecture in the state of Louisiana until the indicated expiration date.

[Signature]
Executive Director

State of  Louisiana

State Licensing Board for Contractors

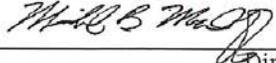
This is to Certify that: ROYAL ENGINEERS AND CONSULTANTS, L.L.C.
4298 Elysian Fields Ave. Suite B
New Orleans, LA 70122

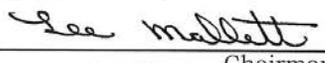
is duly licensed and entitled to practice the following classifications

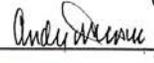
BUILDING CONSTRUCTION; HEAVY CONSTRUCTION; HIGHWAY, STREET AND BRIDGE CONSTRUCTION;
MUNICIPAL AND PUBLIC WORKS CONSTRUCTION



Witness our hand and seal of the Board dated,
Baton Rouge, LA 20th day of July 2019


Director


Chairman


Treasurer

Expiration Date: July 19, 2022

License No: 47048

This License Is Not Transferrable

Louisiana Professional Engineering
and
Land Surveying Board

Hereby Certifies that

Royal Engineers and Consultants, L.L.C.

has complied with the regulations of this Board and is authorized to provide or to offer to provide Engineering services in the State of Louisiana contingent upon payment of the annual renewal fee.

Baton Rouge, Louisiana · 09/21/2005



Robert H. Owen
Chairman

Ken M. Hamlin
Secretary

License Number 3328



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/17/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Beau Joseph Tate
2193 Higginbotham Highway
Church Point, Louisiana 70525

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Beau Joseph Tate		
License/Certificate Type - Number	Expiration Date	
PE.0030990	03/31/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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Print and keep the following information for your record or verification. The pocket card may also be printed on card stock or laminated to keep with you as license/certificate verification.

Disclaimer

All information provided by LAPELS on this web page, and on its other web pages and internet sites, is made available to provide immediate access for the convenience of interested persons. While LAPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LAPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LAPELS, nor any of the sources of the information, shall be responsible for any errors or omissions, or for the use or results obtained from the use of this information. Other specific cautionary notices may be included on other web pages maintained by LAPELS.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/17/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Ms. Katherine Ann Foreman
1231 Camellia Boulevard
Lafayette, Louisiana 70508

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Ms. Katherine Ann Foreman		
License/Certificate Type - Number	Expiration Date	
PE.0046031	03/31/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/17/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Laudun Micheal Landry
1748B Nursery Highway
Breaux Bridge, Louisiana 70517

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Laudun Micheal Landry		
License/Certificate Type - Number	Expiration Date	
PE.0045878	03/31/2024	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 1/17/2023 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. William Dean Fontenot Jr.
1021 Bear Creek Circle
Breaux Bridge, Louisiana 70517

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. William Dean Fontenot Jr.		
License/Certificate Type - Number	Expiration Date	
PE.0041036	03/31/2023	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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**Jefferson Parish TEC Questionnaire:
Batture, LLC**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:		
SOQ 23-001 Professional Architectural and Engineering Services Resolution Number: 140999		
B. Firm Name & Address:		
Batture, LLC 5110 Freret Street New Orleans, LA 70115		
C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:		
Robert Mora, PE, PLS Professional Engineer Professional Land Surveyor bmora@batture-eng.com 504.533.8644		
D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.		
Lauren Williams, PLA, GIP Professional Landscape Architect lwilliams@batture-eng.com 504.533.8644		
E. Please provide the number of employees whose primary function corresponds with each category:		
<u>1</u> Administrative <u>-</u> Architects (Licensed) <u>-</u> Chemical Engineers <u>5</u> Civil Engineers <u>-</u> Construction Inspectors <u>1</u> Ecologists <u>-</u> Electrical Engineers <u>1</u> Engineer Intern <u>1</u> Professional Land Surveyors	<u>-</u> Estimators <u>-</u> Geologists <u>-</u> Geotechnical Engineers <u>-</u> Interior Designers <u>2</u> Landscape Architects <u>3</u> Land Surveyor <u>-</u> Mechanical Engineers <u>-</u> Environmental Engineers	<u>-</u> Specification Writers <u>4</u> Structural Engineers <u>-</u> Graduate Engineers <u>-</u> Project Managers <u>-</u> Clerical <u>1</u> Grant/Funding Specialist <u>-</u> Sanitary Engineers <u>19</u> Total
F. Is this submittal by a JOINT-VENTURE? Please check: YES _____ NO <u>X</u> _____		
If marked "No" skip to Section I. If marked "yes" complete Sections G-H.		

Batture, LLC

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2. N/A		
H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A		
I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A	Jefferson Parish State of Louisiana	
2. N/A	Jefferson Parish State of Louisiana	
3. N/A		
4. N/A		
J. Please specify the total number of support personnel that may assist in the completion of this Project:		
_____ 8 _____		

Batture, LLC

TEC Professional Services Questionnaire

<p>K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm’s key persons that may assist in the completion of this Project. Please attach additional pages if necessary.</p>
PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Lauren Williams, PLA, GIP Professional Landscape Architect
Project Assignment:
Landscape Architect / Professional In Charge of Project
Name of Firm with which associated:
Batture, LLC
Years’ experience with this Firm:
Less than 1 year
Education: Degree(s)/Year/Specialization:
MLA / 2018 / Landscape Architecture
Active Registration: Year First Registered/Discipline:
2022 / LA Professional Landscape Architect W-266
Other experience and qualifications relevant to the proposed Project:
<p>Lauren Williams, PLA, GIP is a licensed Professional Landscape Architect and Licensed Louisiana Arborist at Batture, LLC. She specializes in green infrastructure in an urban environment. Lauren has extensive experience in community engagement and public outreach for sustainable stormwater management solutions. As a Green Infrastructure Professional, (GIP), she played a key role in multiple award-winning green infrastructure projects both in and outside Louisiana.</p>

Batture, LLC

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert Mora, PE, PLS Owner
Project Assignment:
Land Surveying QAQC
Name of Firm with which associated:
Batture, LLC
Years' experience with this Firm:
9 Years
Education: Degree(s)/Year/Specialization:
BS / 2003 / Civil Engineering
Active Registration: Year First Registered/Discipline:
2009 / Civil Engineering / #35109
Other experience and qualifications relevant to the proposed Project:
<p>Robert Mora, PE, PLS is the founder and owner of Batture, LLC and has over 20 years' experience in land surveying and civil engineering throughout the New Orleans Metro Area. Mr. Mora has experience providing civil design services on projects for private developers and municipalities. He has successfully managed and completed projects for entities such as the Sewerage and Water Board of New Orleans, City of New Orleans Department of Public Works, Regional Planning Commission, St. Bernard Parish, Orleans Levee Board, and Army Corps of Engineers. From 2008 – 2011, he worked on the Army Corps of Engineers Hurricane Protection Program as a sub consultant. He has been a certified Envision Sustainability Professional by the Institute for Sustainable Infrastructure since 2015.</p>

Batture, LLC

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: St. Anthony Green Streets - Programming and Design Location: New Orleans, LA Owner Information: City of New Orleans DPW 1300 Perdido Street, Suite 6W03 New Orleans, LA 70112 Stephanie Dreher stephanie.dreher@nola.gov 504.658.8000	This project, a component of the Gentilly Resilience District, will create a network of small green infrastructure improvements that will capture water where it falls, reduce runoff flowing into the city's drainage system, infiltrate stormwater, and reduce flooding. The goals for this project are to improve stormwater management and reduce flood risk and subsidence, empower residents to participate in adapting their block and neighborhood parks to manage water and build resilience, enhance social cohesion and community well-being, increase recreational opportunities, and develop a replicable model for block-by-block strategies for stormwater management and community resilience across the city. Batture's responsibilities include landscape architecture, stormwater modeling, drainage infrastructure design, stormwater design, and planning/permitting with City agencies.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$13,400,000	\$1,640,000

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Lakeview City Park Drainage Location: New Orleans, Orleans Parish, LA Owner Information: City of New Orleans 1300 Perdido St New Orleans, LA 70112 Mary Kincaid 504.658.8048 mkincaid@nola.gov	As prime consultant, Batture is overseeing all professional design and construction administration services for the FEMA HMGP-eligible project site. The project is located in City Park north of the I-610 and explores how the park might be used to manage stormwater and mitigate flooding in the surrounding neighborhoods. For the landscape architecture component of this project, Batture is spearheading a seeding pilot project. Our employees worked closely with LSU Ag Center and local suppliers to develop a series of seed mixes. The application locations, and species varieties contained within each mix, were chosen to best suit the various elevations and water exposure present throughout City Park. The goal of the pilot project is to gather detailed and site-specific data about plant sustainability, functionality, and rate of successful establishment. This data will then be used to inform the overall planting design and implementation.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Design - Estimated February 2022 Construction - Estimated April 2023	\$15,828,879 (Construction) \$1,606,245 (Consulting)	\$890,000 (Estimated)

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: LA SAFE Gretna Resilience District Kickstart Ph. I Location: Gretna, LA Owner Information: City of Gretna PO Box 404 Gretna, LA 70054 Matthew Martinec mmartinec@gretnala.com 504.363.1568	This phase of the project focuses on Gretna City Park, an existing public space that occupies nearly 100 acres in the center of the City of Gretna. The existing amenities are focused primarily on passive use with lots of open space, an existing retention pond, forested areas, and some pathways connection to limited parking areas. Project goals included addressing localized flooding and repetitive loss, improving access to the park, introducing more active programming elements, provide landmarks and destinations within the park, provide additional parking, repair existing structure on site such as the outfall weir on Claire Ave, designate pedestrian routes through the park with the use of trails, expand and enhance the existing pond system, improve water quality within the park and district to provide a healthier habitat for local wildlife, and introduce interpretive signage to educate the public about water quality and green infrastructure.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2020	\$5,605,000	\$20,397.00 (Programming Phase) \$165,100.00 (Design Phase)

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: New Orleans City Park Wisner Tract Master Plan Location: New Orleans, LA Owner Information: New Orleans City Park, Design Workshop 812 San Antonio St, Suite 401 Austin, TX 78701 Connors Ladner, PLA cladner@designworkshop.com 512.499.0222	The location of the Wisner Tract in the heart of the greater metropolitan area provides an incalculable opportunity to expand access to nature equitably for a large urban population with few other similar resources. Through the implementation of a mosaic of south Louisiana ecosystems – restoration of lagoon, cypress swamp, freshwater marsh, live oak forest, and meadowland habitats– the design will transform the existing disturbed landscape into a vital educational and experiential landscape for all of New Orleans and the greater region. Working as a subconsultant providing landscape architecture, land surveying and civil engineering services, Batture, LLC is assisting in the overall efforts to develop a Master Plan for the Wisner Tract portion of New Orleans City Park. The primary role of Batture in this project is to provide guidance to the prime design consultant on issues that pertain to the civil and surveying scope.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	N/A	\$16,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Stage 0/Stage 1 Feasibility Study: Causeway Boulevard at US 90/Jefferson Highway Location: Jefferson, Jefferson Parish, LA Owner Information: Regional Planning Commission 10 Veterans Boulevard New Orleans, LA 70124 Jeffrey W. Roesel, Executive Director rpc@norpc.org 504.483.8500	Batture, LLC is assisting Design Engineering, Inc. in generating the Stage 0/Stage 1 report for the improvement of the Causeway Boulevard/Jefferson Highway interchange to accommodate additional traffic from the Ochsner Hospital expansion. The Stage 0 identified various alternatives and potential utilities, environmental constraints, or other issues that could influence the concept's feasibility, timing, and impact on the physical, natural, and human environment. Batture produced the "Environmental Impacts" report section, including DOTD's Stage 0 Environmental Checklist. Batture will provide environmental and surveying services including right-of-way surveying and identify any conflicting issues present for the revised Stage 0 and Stage 1. The project began in January of 2018.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2020	N/A	\$152,875

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: 1236 N. Rampart Street Location: New Orleans, LA Owner Information: Rick Fifield Architect 600 Saint Roch Avenue New Orleans, LA 70117 Rick Fifield, AIA rick.fifield@gmail.com 504.475.3767	This project aims to convert a historic convent to a multi-unit residential campus. The proposal includes conversion of the existing structures, construction of new buildings, and a complete rehaul of the site's current condition to create a comprehensive network of interior and exterior spaces that interact with each other. Batture, LLC is tasked with the civil engineering, landscape architecture, and stormwater management components of the project. This includes designing the site to meet City of New Orleans code requirements for planting and screening, managing stormwater through the use of green infrastructure, and preparing all necessary plans and supporting documents for permit application and successful construction of the project. Additionally, due to the project's location within the French Quarter, numerous reviews with the Vieux Carre Commission are required throughout the project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	N/A	\$20,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Blue & Green Corridors City of New Orleans Location: New Orleans, LA Owner Information: Stantec Consulting Services, Inc. 1340 Poydras Street, Suite 1420 New Orleans, LA 70112 Dan Grandal dan.grandal@stantec.com 504.654.1758	The Blue & Green Corridors project is part of the Gentilly Resilience District. Batture was a sub on this groundbreaking resilience and drainage/water management project that aims to transform major boulevards in Gentilly. The large neutral grounds on the major streets in Gentilly present a unique opportunity to construct a network of stormwater management features and multimodal connections. Batture is providing topographic and right-of-way surveys, civil design and landscape architecture on this project. Additionally, this project served to deepen our knowledge of complete street design principles by working side by side with industry experts.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$45,000,000	\$374,053

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: District 5 Project Development Location: Jefferson Parish, LA Owner Information: Jefferson Parish Michelle Gonzales mgonzales@jeffparish.net 504.736.6653	Batture was chosen by Jefferson Parish to provide coastal engineering and consulting services on an as-needed basis to identify projects located throughout the parish that would benefit Jefferson Parish and District 5. Our senior biologist is working alongside the Coastal Management Director and District 5 staff to pursue potential funding mechanisms in support of the Parish's coastal interests. The project scope includes coastal planning & design, mapping, CAD support, and bidding. We will provide cost benefit analyses, meeting support and collaboration, design drawings, and cost estimates. Additional responsibilities include project start up, project coordination, reporting, and invoicing. The project manager submits monthly project reports and attends all pertinent project and grant meetings.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2022 (Estimated)	\$30,000	\$30,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: 3969 Tchoupitoulas Street Location: New Orleans, LA Owner Information: Zangara + Partners 3615 Magazine St. New Orleans, LA 70115 Daniel Zangara daniel@zangarapartners.com 504.473.0064	This project is a mixed-use development proposed for the corners of Austerlitz and Tchoupitoulas. Batture, LLC is tasked with the civil engineering, landscape architecture, and stormwater management components of the project. The landscape architecture component of this site includes designing the site to meet City of New Orleans code requirements for planting and screening, managing stormwater through the use of green infrastructure, and preparing all necessary plans and supporting documents for permit application and successful construction of the project.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Ongoing	\$4,557,389	\$177,753

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Dillard Wetlands Location: New Orleans, LA Owner Information: Freese & Nichols 900 Camp Street, Suite 354 New Orleans, LA 70130 Nina Reins nina.reins@freese.com 504.478.1065	The Dillard Wetland is a 27-acre parcel of forested low-lying land on the west side of the London Canal opposite of Dillard University and is one of the last remaining parcels of forest within city limits. The Greater New Orleans Water Plan envisaged the Dillard Wetlands as providing a retreat from urban life. The existing low-lying area would be nourished by an influx of stormwater from the surrounding neighborhoods, supporting a healthy wetland ecosystem. Batture is sub-consultant to Freese and Nichols. We provided surveying services for Phase I of the project, including boundary survey, topographic survey, and tree identification/assessments. In Phase II, we are providing landscape architecture services, design analysis and reports, civil engineering, H&H modeling, and structural engineering.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2022 (Estimated)	N/A	\$236,676

Batture, LLC

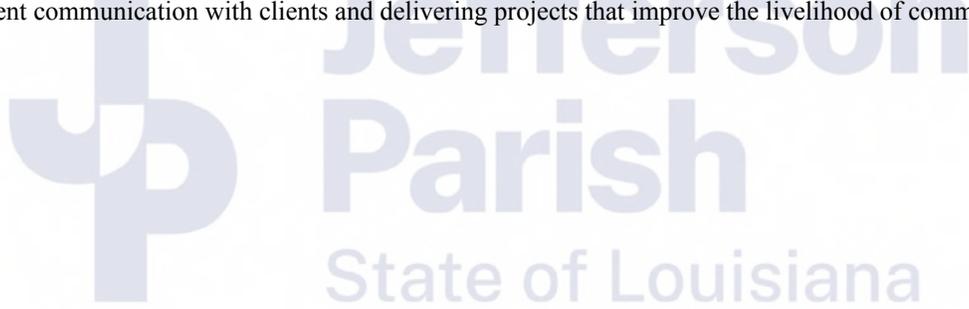
TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. N/A		
2. N/A		
3. N/A		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

Established in 2014, Batture LLC is a Louisiana-based civil engineering and land surveying firm specializing in landscape architecture, drainage & utility design, hydraulic/hydrodynamic modeling, land surveying, site development, environmental research, civil site design, and construction management. Our company is a certified Small Entrepreneurship (Hudson Initiative), dedicated to the progress and protection of Southeast Louisiana. The highly-diversified team of Batture LLC possesses a wide range of professional knowledge. Most of the work that we do is centered around infrastructure, open space development, and housing, with projects ranging from residential jobs to large neighborhood-wide green infrastructure projects. Batture LLC has successfully completed projects for many local and government agencies, including Jefferson Parish, Lakefront Management Authority, City of New Orleans, Sewerage & Water Board of New Orleans, City of N.O. Department of Public Works, City of N.O. Network for Economic Opportunity, Port of N.O., St. Bernard Parish, and others. The team at Batture prides itself on maintaining excellent communication with clients and delivering projects that improve the livelihood of communities.



Batture, LLC

O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Robert Mora

Title: Managing Partner Date: January 13, 2023

**Licenses and Certifications:
Batture, LLC**





LOUISIANA DEPARTMENT OF AGRICULTURE & FORESTRY

MIKE STRAIN DVM, COMMISSIONER

Agricultural & Environmental Sciences, 5825 Florida Blvd., Suite 3002, Baton Rouge, LA 70806, (225) 952-8100, FAX (225) 925-3760

HORTICULTURE REGISTRATION : **LAUREN RENEE WILLIAMS**

Date: 7/15/2022

LDAF ID : **184497**

LICENSE(S): **LANDSCAPE ARCHITECT** **22-0814**

W-266

Please verify information for correctness. If changes are necessary, make corrections and promptly return to issuing agency.

LOUISIANA DEPARTMENT OF AGRICULTURE & FORESTRY

MIKE STRAIN DVM, COMMISSIONER

Agricultural & Environmental Sciences, 5825 Florida Blvd., Suite 3002, Baton Rouge, LA 70806, (225) 952-8100, FAX (225) 925-3760

Be it known, that effective 7/14/2022 through 1/31/2023 having complied with all relevant requirements of the Louisiana Revised Statutes, the individual named below is hereby licensed in the following profession(s):

LICENSE(S): **LANDSCAPE ARCHITECT**

22-0814

W-266

LAUREN RENEE WILLIAMS
1455 CONSTANCE STREET
NEW ORLEANS LA 70130-4147

Mike Strain
Commissioner

DISPLAY IN A PROMINENT PLACE.

LDAF ID: **184497**

LOUISIANA DEPARTMENT OF AGRICULTURE & FORESTRY

MIKE STRAIN DVM, COMMISSIONER

Agricultural & Environmental Sciences, 5825 Florida Blvd., Suite 3002, Baton Rouge, LA 70806, (225) 952-8100, FAX (225) 925-3760

Be it known, that effective 03/15/2022 through 01/31/2023 having complied with all relevant requirements of the Louisiana Revised Statutes, the individual named below is hereby licensed in the following profession(s):

LICENSE(S): **ARBORIST**

22-2610

LAUREN RENEE WILLIAMS
1455 CONSTANCE STREET
NEW ORLEANS LA 70130-4147

Mike Strain
Commissioner

DISPLAY IN A PROMINENT PLACE.

LDAF ID: **184497**

LOUISIANA DEPARTMENT OF AGRICULTURE & FORESTRY

MIKE STRAIN DVM, COMMISSIONER

Agricultural & Environmental Sciences, 5825 Florida Blvd., Suite 3002, Baton Rouge, LA 70806, (225) 952-8100, FAX (225) 925-3760

Be it known, that effective **03/15/2022** through **01/31/2023** having complied with all relevant requirements of the Louisiana Revised Statutes, the individual named below is hereby licensed in the following profession(s):

LICENSE(S): ARBORIST

22-2610

LAUREN RENEE WILLIAMS
1455 CONSTANCE STREET
NEW ORLEANS LA 70130-4147

Mike Strain
Commissioner

DISPLAY IN A PROMINENT PLACE.

LDAF ID: 184497



Louisiana Professional Engineering
and
Land Surveying Board

Hereby Certifies that

Mr. Robert J. Mora II

having qualified before this Board in accordance with laws is licensed as a

Professional Land Surveyor

and is hereby entitled to practice land surveying in the State of Louisiana.

Baton Rouge, Louisiana · 05/24/2010



License Number 5042

Rhoads L. Guilliam
Chairman

Ali Mustafha
Secretary

Louisiana Professional Engineering
and
Land Surveying Board

Hereby Certifies that

Mr. Robert James Mora II

having qualified before this Board in accordance with laws is licensed as a

Professional Engineer

and is hereby entitled to practice engineering in the State of Louisiana.

Baton Rouge, Louisiana

12/14/2009



License Number 35109

[Signature]
Chairman
[Signature]
Secretary

**Jefferson Parish TEC Questionnaire:
YKMH Consulting, LLC**



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:		
SOQ 23-001 Professional Architectural and Engineering Services Resolution Number: 140999		
B. Firm Name & Address:		
YKMH Consulting, LLC 3701 Hessmer Ave. Metairie, LA 70002		
C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:		
Chad Hadaway, P.E. Principal Engineering chadaway@ykmhconsulting.com 985.665.2983		
D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.		
Chad Hadaway, P.E. Principal Engineering chadaway@ykmhconsulting.com 985.665.2983		
E. Please provide the number of employees whose primary function corresponds with each category:		
<u>1</u> Administrative <input type="checkbox"/> Architects (Licensed) <input type="checkbox"/> Chemical Engineers <input type="checkbox"/> Civil Engineers <u>2</u> Construction Inspectors <input type="checkbox"/> Ecologists <u>3</u> Electrical Engineers <u>2</u> Engineer Intern <input type="checkbox"/> Professional Land Surveyors	<input type="checkbox"/> Estimators <input type="checkbox"/> Geologists <input type="checkbox"/> Geotechnical Engineers <input type="checkbox"/> Interior Designers <input type="checkbox"/> Landscape Architects <input type="checkbox"/> Land Surveyor <u>3</u> Mechanical Engineers <input type="checkbox"/> Environmental Engineers	<input type="checkbox"/> Specification Writers <input type="checkbox"/> Structural Engineers <input type="checkbox"/> Graduate Engineers <input type="checkbox"/> Project Managers <input type="checkbox"/> Clerical <input type="checkbox"/> Grant/Funding Specialist <input type="checkbox"/> Sanitary Engineers <u>11</u> Total * 9 Designers/Drafters not counted above
F. Is this submittal by a JOINT-VENTURE? Please check: YES _____ NO <u>X</u>		
If marked "No" skip to Section I. If marked "yes" complete Sections G-H.		

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2. N/A		
H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A		
I. List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u>, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2. N/A		
3. N/A		
4. N/A		
J. Please specify the total number of support personnel that may assist in the completion of this Project:		
_____ 20 _____		

TEC Professional Services Questionnaire

<p>K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.</p>
PROFESSIONAL IN CHARGE OF PROJECT:
Name & Title:
Gene Yenari, P.E. Principal / Lead Mechanical
Project Assignment:
Project Manager, Mechanical Engineering
Name of Firm with which associated:
YKMH Consulting, LLC
Years' experience with this Firm:
13 Years
Education: Degree(s)/Year/Specialization:
BS / 1994 / Mechanical Engineering
Active Registration: Year First Registered/Discipline:
1999 / LA / P.E. Mechanical 28523 2014 / FL / P.E. Mechanical 77975 2017 / TX / P.E. Mechanical 127057
Other experience and qualifications relevant to the proposed Project:
<p>Projects in Jefferson Parish:</p> <ul style="list-style-type: none"> • Jefferson Parish Beautification Project 2021 • Dr. John Ochsner Discovery Health Sciences Academy • Harahan Elementary School Renovations • Jefferson Parish Gymnasium Facilities: AHU • Ochsner Main Campus Central Plant • Ochsner Cancer Center Metairie • NOLA Motor Sports, Avondale <p>Additional Projects:</p> <ul style="list-style-type: none"> • Ochsner High Grove Central Plant, Baton Rouge • Bayou Country Sports Park – Public Soccer Field + Parking Lighting • Ochsner Fitness Center - Renovations • Elmwood Sports Training Complex, Renovations + Additions • Bayou Blue Splash Park – New Rec District Water Park

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Chad Hadaway, P.E. Principal / Lead Electrical
Project Assignment:
Project Manager, Electrical Engineering
Name of Firm with which associated:
YKMH Consulting, LLC
Years' experience with this Firm:
10 Years
Education: Degree(s)/Year/Specialization:
BS / 1999 / Electrical Engineering
Active Registration: Year First Registered/Discipline:
2007 / LA / P.E. 33606 2014 / FL / P.E. 77918 2005 / LA / Contractor's License 44310
Other experience and qualifications relevant to the proposed Project:
<p>Projects in Jefferson Parish:</p> <ul style="list-style-type: none"> • Jefferson Parish Beautification Project 2021 • Dr. John Ochsner Discovery Health Sciences Academy • Harahan Elementary School Renovations • Jefferson Parish Gymnasium Facilities: AHU • Ochsner Main Campus Central Plant • Ochsner Cancer Center Metairie • NOLA Motor Sports, Avondale <p>Additional Projects:</p> <ul style="list-style-type: none"> • Ochsner High Grove Central Plant, Baton Rouge • Bayou Country Sports Park – Public Soccer Field + Parking Lighting • Ochsner Fitness Center - Renovations • Elmwood Sports Training Complex, Renovations + Additions • Bayou Blue Splash Park – New Rec District Water Park

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Perry Hogan, P.E. Senior Electrical Engineer
Project Assignment:
Electrical Engineering
Name of Firm with which associated:
YKMH Consulting, LLC
Years' experience with this Firm:
2 Years
Education: Degree(s)/Year/Specialization:
BS / 1997 / Electrical Engineering
Active Registration: Year First Registered/Discipline:
2004 / LA / P.E. 31042 2009 / MS / P.E. 17195 2004 / AL / P.E. 30757 2009 / FL / P.E. 70426 2009 / TX / P.E. 104453
Other experience and qualifications relevant to the proposed Project:
<p>Projects in Jefferson Parish:</p> <ul style="list-style-type: none"> • Gretna Wastewater Treatment Plant New Generator • Gretna Emergency Sewer Generator Lift Station #1 • Gretna Emergency Sewer Generator Lift Station #7 • Bayou Signette Sports Complex Improvements and Generator Installations <p>Additional Projects:</p> <ul style="list-style-type: none"> • Northrop Grumman Shipbuilding, Inc. Emergency Power Backup for Substation ILC017 • Willowridge Drainage Pumping Station, Luling, LA • Jackson County Detention Center, Mississippi • Ponchatoula Sewer Lift Station Generators

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 1		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Ochsner Jefferson Highway Beautification Location: Jefferson Parish, LA Owner Information: Ochsner Health System	YKHM Consulting, LLC provided electrical engineering services to coordinate the conversion of the overhead utility line to underground, design DOTD approved street lighting, and DOTD pathway lighting.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2023 (Estimated)	\$7,500,000	\$450,000

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Jefferson Parish Gymnasium Facilities: Air handling Unit (AHU) Location: Jefferson Parish, LA Owner Information: Jefferson Parish 1221 Elmwood Park Blvd New Orleans, LA 70123	YKHM Consulting, LLC provided HVAC engineering design for several large-scale air handling unit installations across Jefferson Parish gymnasium facilities including: <ul style="list-style-type: none"> • Kennedy Heights • Jesse Owens Gym • Waggaman Gym • Avondale Gym 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$2,000,000	\$45,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Harahan Elementary School Renovations Location: Jefferson Parish, LA Owner Information: Jefferson Parish School Board 501 Manhattan Blvd Harvey, LA 70058	YKMH Consulting, LLC provided mechanical, electrical, and plumbing engineering design for a 17,000 square foot school-wide renovation to the main school building, a classroom addition, and library. Renovation consisted of 10 classrooms, offices, and support spaces.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2014	\$5,000,000	\$15,000

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Ochsner Medical Complex – The Grove Central Plant Location: Baton Rouge, LA Owner Information: Ochsner Health Michelle Austin, AVP 225.755.4975	YKMH Consulting, LLC provided design engineering services to construct the new central plant serving the two-story ambulatory survey center and the five-story medical office building. The project included a new 13.8kV parallel gear, two 1750 kW diesel power generators, medium voltage loop, and transfer switch fiber optic network.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2019	\$15,000,000	\$750,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Ochsner Medical Center - Main Campus Central Plant Expansion Location: New Orleans, LA Owner Information: Ochsner Health Systems Joshua Bordelon, Director Facilities Management 504.842.3416	YKMH Consulting, LLC provided design engineering services to construct the central plant expansion. The project included new 13.8 kV parallel gear, four 3.25 MW diesel powered generators, 48 transfer switch replacements, and fiber optic control.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2018	\$20,000,000	\$1,000,000

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Terrebonne Parish Consolidated Government – Hanson Canal Pump Station Location: Terrebonne Parish, LA Owner Information: Terrebonne Parish Carl Ledet, Superintendent 985.873.6717	YKMH Consulting, LLC provided design engineering services to construct a new pump station. Project included four 900 HP electric motors, two 2000 kW diesel generators, and custom capacitor assisted across the line starting.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2020	\$15,000,000	\$70,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: 100MW System Generator Annual Assessment – Ochsner Health Location: New Orleans, LA Owner Information: Ochsner Health Systems James Britch, System VP Facilities 504.842.7378	YKMH Consulting, LLC was responsible for coordinating the continue planned use of over 110 generator units at over 40 sites in Louisiana and Mississippi. The project included asset tracking, burn rates, planned diesel storage capacity, end of life, and areas served.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2021	\$20,000,000	\$30,000

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Chacahoula-Gibson Drainage Project Location: Terrebonne Parish, LA Owner Information: Terrebonne Parish Gordon Dove, President gdove@tpcg.org 985.873.6401	YKMH Consulting, LLC provided design engineering services to construct three 1000 cfs electric driven axial pump stations. The project included four 900 HP electric pumps, capacitor assist starting, telemetry control, emergency generation, utility rate analysis, and peak shaving control resulting in \$500k year one and \$100k in yearly costs.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Project in construction	\$33,000,000	\$70,000

TEC Professional Services Questionnaire

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Greater Lafourche Port Commission Connector Road and Bridge Location: Lafourche Parish, LA Owner Information: Davie Breaux, Deputy Port Director glpc@portfourchon.com 985.632.6701	YKMH Consulting, LLC provided design engineering services to construct a new vertical lift span bridge and associated connector road linking South Lafourche Airport to LA Hwy 3235. The project included traffic control devices, traffic signaling devices, aid to navigation lighting, and emergency generation.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Project in construction	\$16,000,000	\$170,000

L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.		
PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Project Name: Chevron Airbase - Galliano Location: Galliano, LA Owner Information: Al Trevino, Chevron FE Team Lead trevino@chevron.com 985.773.6147	YKMH Consulting, LLC provided MEP design services for a new Thirty-two acre airbase facility at the South Lafourche Leonard Miller Jr. Airport. The project included the hanger, generator building, pads, taxiways, bunkhouse, terminal building, communications building, fuel system piping and instrumentation, custom control logic, and fire protection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2017	\$29,000,000	\$350,000

TEC Professional Services Questionnaire

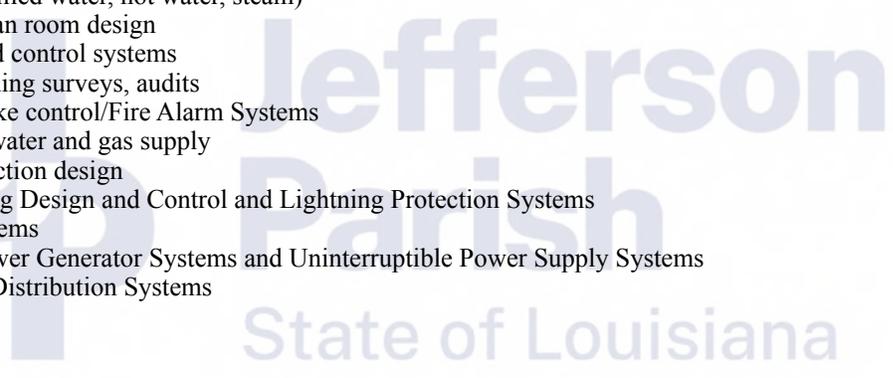
M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.		
N/A		
2.		
N/A		
3.		
N/A		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

YKMH Consulting, LLC provided mechanical, electrical, plumbing and fire protection engineering services to commercial and municipal clients throughout the Gulf South. Today's building mechanical and electrical systems are a complex network of mechanical and electrical equipment and components, which provide comfort, convenience, and life safety to building occupants and exterior spaces. Our extensive design, investigative, forensic engineering, and construction administration experience has provided us a solid background and experience necessary to understand these systems. Our areas of technical expertise include:

- Heating, ventilating, air conditioning, and refrigeration system design
- Central plant design (chilled water, hot water, steam)
- Computer room and clean room design
- Energy management and control systems
- Feasibility studies, building surveys, audits
- Fire, humidity, and smoke control/Fire Alarm Systems
- Domestic hot and cold water and gas supply
- Plumbing and fire protection design
- Interior/Exterior Lighting Design and Control and Lightning Protection Systems
- Power Distribution Systems
- Emergency Standby Power Generator Systems and Uninterruptible Power Supply Systems
- P.A. Systems and Data Distribution Systems



O. To the best of my knowledge, the foregoing is an accurate statement of facts.

Signature:  Print Name: Chad Hadaway, P.E.

Title: Principal Date: January 13, 2023

**Licenses and Certifications:
YKMH Consulting, LLC**



The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name: Public Address:
YKMH Consulting, Mr. Gene Yenari 3500 North Causeway Boulevard, Suite 1240
LLC Metairie, Louisiana 70002

**License/Certificate Information w/
Supervision**

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004498	Active	01/07/2010	03/31/2024	Mr. Gene Yenari # PE.0028523 ; Mr. Chad Michael Hadaway # PE.0033606