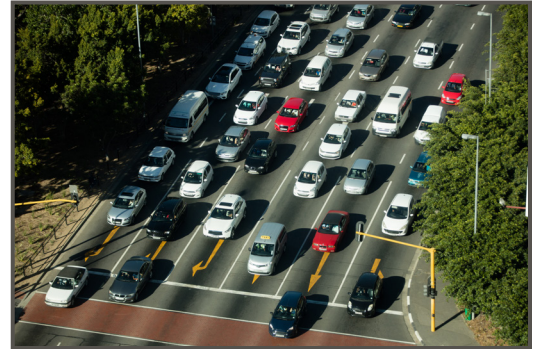


JEFFERSON PARISH
SOQ 24-021 Resolution 144319
Routine Engineering Services for Streets Projects



BKI **BURK-KLEINPETER, INC.**
ENGINEERING · PLANNING · ENVIRONMENTAL



July 16
2024

CEG
CREATIVE ENGINEERING GROUP

PRESIDENT & CEO
MICHAEL D. CHOPIN, PE



SENIOR VICE PRESIDENTS
RENE A. CHOPIN, III, PE
HENRY M. PICARD, III, PE, PLS

CORPORATE SECRETARY
BRUCE L. BADON, AICP

BURK-KLEINPETER, INC.
ENGINEERING · PLANNING · ENVIRONMENTAL

VICE PRESIDENT
DAVID E. BOYD, PE

2400 VETERANS MEMORIAL BLVD., SUITE 310, KENNER, LA 70062
TELEPHONE (504) 486-5901
WWW.BKIUSA.COM

OVER 100 YEARS OF SERVICE

July 16, 2024

Jefferson Parish Purchasing Department
General Government Building
200 Derbigny Street, Suite 4400
Gretna, LA 70053

RE: SOQ 24-021 Resolution 144319 Routine Engineering Services for Streets Projects

Mr. Simno:

In response to your request for qualifications, **Burk-Kleinpeter, Inc., along with BFM Corporation, LLC; Gulf South Engineering and Testing, Inc. and Creative Engineering Group, LLC** is pleased to submit one electronic copy of our qualifications for the above-referenced project.

BKI, a Small Business Enterprise (SBE), is a full-service consulting firm providing professional planning and engineering services to public and private clients for over 110 years. We are fully capable of providing professional services to Jefferson Parish for projects within the scope of Routine Engineering for Streets Projects. Our Kenner office will serve as the main project office for this assignment with Henry M. Picard, III, PE, PLS as the professional in charge of the project. As an established firm committed to client satisfaction, we hope to assist the Parish in the successful implementation on assigned projects. We have a history of successfully completing similar scale projects on time for Jefferson Parish, and we hope to have the opportunity to continue that partnership.

We appreciate this opportunity to submit our qualifications and look forward to working for the Parish again in the future.

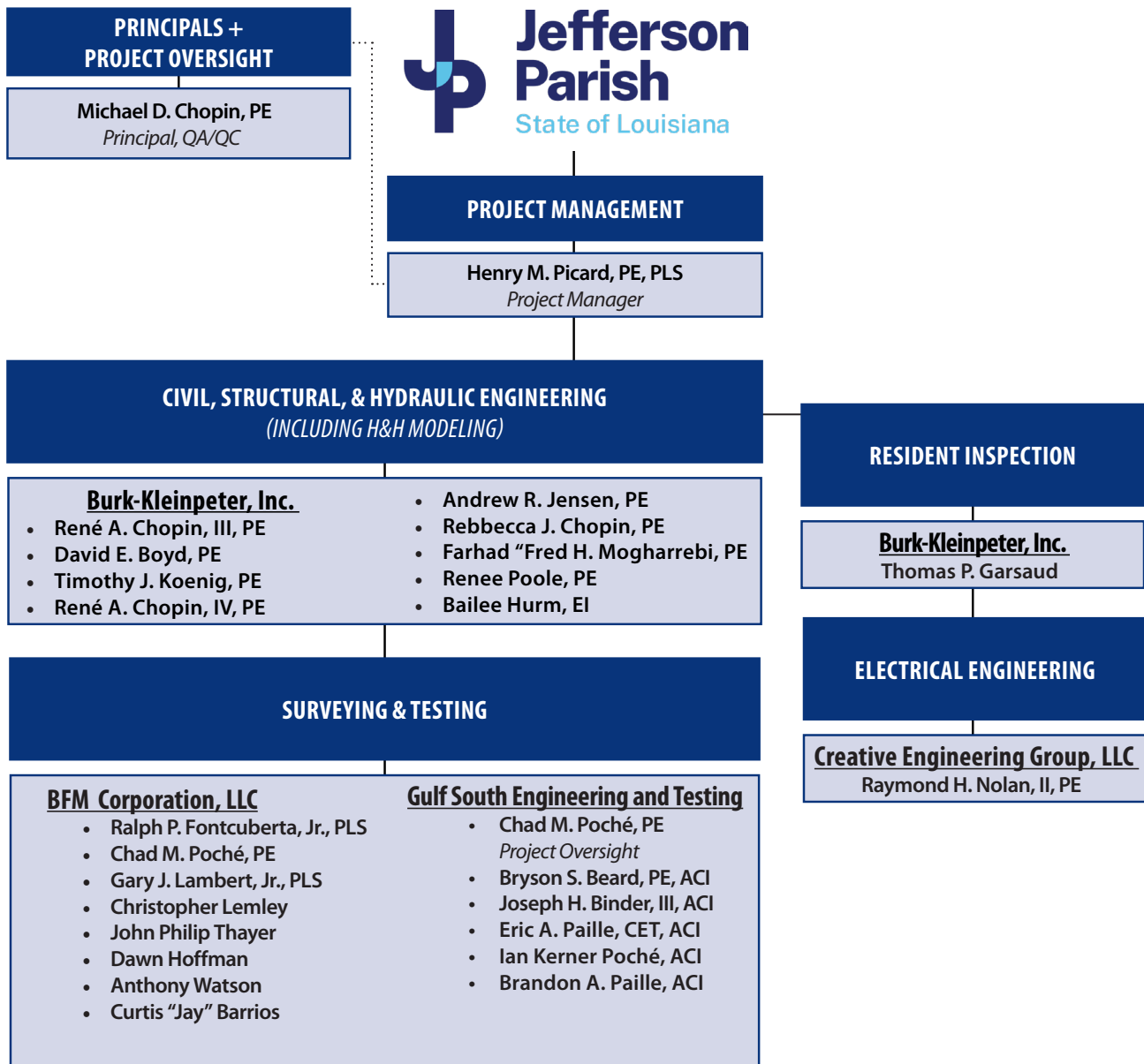
Sincerely,

A handwritten signature in blue ink, appearing to read "H. M. Picard, III", is written over a faint, larger blue ink signature that appears to read "Henry M. Picard, III, PE, PLS".

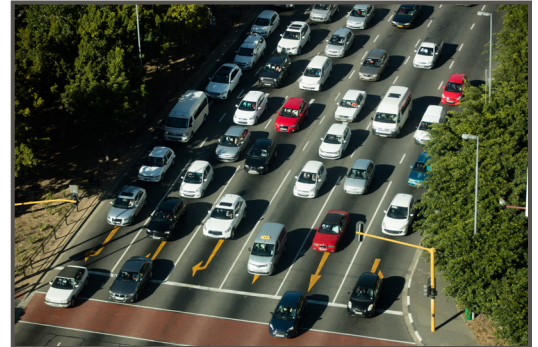
Henry M. Picard, III, PE, PLS
Senior Vice President



ORGANIZATIONAL CHART



Burk-Kleinpeter, Inc.
TEC Questionnaire



A. Project Name and Advertisement Resolution Number:

SOQ No. 24-021 Routine Engineering Services for Streets Projects
Resolution No. 144319

B. Firm Name & Address:



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 D. Chopin, PE - Principal - CEO- Civil Engineer - (504)343-6254, mchopin@bkiousa.com

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.

Henry M. Picard, III PE, PLS - Civil Engineer - (504)400-0783, hpicard@bkiousa.com

E. Please provide the number of employees whose primary function corresponds with each category:

<u>8</u> Administrative	<u>0</u> Estimators	<u>0</u> Specification Writers
<u>0</u> Architects (Licensed)	<u>0</u> Geologists	<u>3</u> Structural Engineers
<u>0</u> Chemical Engineers	<u>0</u> Geotechnical Engineers	<u>0</u> Graduate Engineers
<u>8</u> Civil Engineers	<u>0</u> Interior Designers	<u>0</u> Project Managers
<u>3</u> Construction Inspectors	<u>0</u> Landscape Architects	<u>0</u> Clerical
<u>0</u> Ecologists	<u>0</u> Land Surveyor	<u>0</u> Grant/Funding Specialist
<u>0</u> Electrical Engineers	<u>0</u> Mechanical Engineers	<u>0</u> Sanitary Engineers
<u>1</u> Engineer Intern	<u>0</u> Environmental Engineers	<u>0</u> Planners
<u>0</u> Professional Land Surveyors	<u>4</u> CADD/GIS	<u>2</u> Designers
		<u>29</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES___ NO X
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 the JOINT-VENTURE previously worked together? Please Check YES NO **N/A**

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, 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. Gulf South Engineering and Testing, Inc 15 Veterans Memorial Blvd, Kenner, LA 70062	Geotechnical Engineering / Materials Testing	Yes
2. BFM Corporation, LLC 15 Veterans Memorial Blvd, Kenner, LA 70062	Surveying	Yes
3. Creative Engineering Group, LLC 201 Highland Park Plaza, Covington, LA 70433	Electrical Engineering	Yes

J. Please specify the total number of support personnel that may assist in the completion of this Project:

BKI: 12 BFM: 26 Gulf South: 30 CEG: 5

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Michael D. Chopin, PE <i>Principal</i>
Project Assignment
Principal / QA/QC (<i>Minimum Qualifications - 1</i>)
Name of Firm with which associated

Years' experience with this Firm:
33
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1991 / Civil Engineering
Active registration: Year first registered/discipline
1996 / Professional Engineer State of LA No. 26797
Other experience and qualifications relevant to the proposed project:
<p>Mr. Chopin is a Principal/President at BKI. He is in charge of personnel, including schedules, staff, budgets, technical review, and account management. He has 26 years of professional engineering experience, and has provided professional consulting focused on a wide range of public works projects. He has served as Project Manager or Project Engineer on numerous street, roadways, drainage studies, hydraulic models and designs, drainage improvements, levees, floodwalls, flood control projects, and site development. He is a member of the American Society of Civil Engineers and the Society of American Military Engineers.</p> <p><i>Mr Chopin's applicable projects are listed on the following page.</i></p>

Mr. Chopin has worked on the following applicable projects:

Fourth Street Extension Environmental Assessment and Design SPN 700-26-0247 - *Gretna, LA* - Engineering Supervisor for an Environmental Assessment for an extension of Fourth Street to provide a more direct connection to the Westbank Expressway. Prepared the preliminary plans in accordance with LADOTD Design Criteria and Road Design Manual. Provided oversight and Quality Assurance for the final plans. Provided oversight during construction for submittal reviews and answering of RFIs.

Jefferson Parish Westbank Street Repair Program Management - *Jefferson Parish, LA* - Provided project oversight for a streets improvement program on the Westbank of Jefferson Parish. BKI worked closely with Jefferson Parish in administering the program in accordance with FEMA Guidelines.

Madison Street Improvements - *Gretna, LA* - Provided QA/QC for design improvements for a section of Madison Street in Gretna, LA. The scope of the project included milling and overlaying the existing road surfacing, removing and replacing an existing at-grade railroad track, drainage improvements at each intersection within the project limits, handicapped accessibility improvements at each intersection, and minor repairs along the corridor.

Franklin Street Closure - *Gretna, LA* - Provided QA/QC for a project involving street design, resident inspection, and construction administration.

City of Gretna Street & Sidewalk Repairs - *Gretna, LA* - Project oversight for coordination with FEMA in determining eligible repairs, the preparation of plans and specifications, construction administration, and resident inspection for the identified eligible repairs.

Virgil Street Rehabilitation - *Gretna, LA* - Project Manager responsible for overseeing the design of a new canal embankment including clearing and grubbing, removal of existing concrete and construction of a new barrier curb.

Ridgelake Drive at West Esplanade Intersection Improvements - *Metairie, LA* - Project Engineer/Manager for the design and preparation of plans and specifications for providing a new right-turn lane along westbound West Esplanade Ave. onto Causeway Blvd. Improvements also included a new 3-cell, 8-ft. x 9-ft. box culvert and roadway widening at Ridgelake Drive.

Lower Ninth Ward Quadrant 1 Road Repair - *New Orleans, LA* - Provided QA/QC for a multi-block project in the Lower Ninth Ward consisting of removal and replacement of concrete and asphalt roadway pavement, concrete driveways and sidewalks, and point utility repairs.

Peters Road Bridge & Extension - *Jefferson and Plaquemines Parishes, LA* - Providing QA/QC for the preparation of plans and specifications for the design of a new fixed, high level bridge across the intracoastal waterway (AASHTO LRFD Design). Project also includes four miles of new approach roadways and reconfiguring the Peters Road/Engineers Road Interchange.

Gretna Blvd. Improvements - *Gretna, LA* - Project engineer for the evaluation and design for replacing portions of the concrete roadway between Stumpf Blvd. and Belle Chasse Hwy.

Hancock Street Improvements - *Gretna, LA* - Project engineer for the design and preparation of plans and specifications for improving the roadway. Improvements included new pavement and drainage modifications.

Tchoupitoulas Street Roadway Improvements - Jackson Avenue to Felicity Street - *New Orleans, LA* - Project Manager for the design and preparation of plans and specifications for the reconstruction of the roadway (5,500 linear feet of roadway), including drainage design and utility relocation.

Flood & Gordon Street Improvements - *New Orleans, LA* - Project Manager for the preparation of plans and specifications, construction administration, and resident inspection for the reconstruction and utility upgrades (drainage, water, and sewer) for approximately 4,400 linear feet of roadway.

Stumpf Boulevard Right Turn Lane at West Bank Expressway - *Gretna, LA* - Project Manager for construction of new right turn lane (approximately 350 feet long) on Stumpf Blvd. for vehicles turning onto the Westbank Expressway service road.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Henry M. Picard, III, PE, PLS <i>Senior Vice President</i>
Project Assignment
Project Manager (<i>Minimum Qualifications - 2</i>)
Name of Firm with which associated

Years' experience with this Firm:
34
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1981 / Civil Engineering
Active registration: Year first registered/discipline
1986 / Professional Engineer - Civil, State of LA No. 22289 1994 / Professional Land Surveyor, State of LA No. 4736 1996 / Professional Engineer - Civil, State of AL No. 20937
Other experience and qualifications relevant to the proposed project:
<p>Mr. Picard is a Senior Vice President at BKI. He is in charge of project management, hydraulics, and traffic engineering, including schedules, staff, budgets, technical review, and account management. He has 36 years of professional engineering experience and has served as Principal, Project Manager, or Project Engineer on numerous projects involving streets, roadways, intersections, transportation, and site development. Mr. Picard holds a Bachelor of Science in Civil Engineering, and is a Registered Professional Engineer in Louisiana and Alabama. He is a Registered Professional Land Surveyor in Louisiana. He is also an active member of the American Society of Civil Engineers and the Society of American Military Engineers.</p> <p><i>Mr. Picard's applicable projects are listed on the following page.</i></p>

Mr. Picard has worked on the following applicable projects:

Mandeville Bypass - *Mandeville, LA* - Provided project management and guidance for the preparation of line and grade studies. Preliminary and final plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, construction sequence, and cross sections for 3.5 miles of roadway, multi-use path, and two roundabouts.

Parish Rd 929 at Braud Rd Roundabout - *Ascension Parish, LA* - Provided project management for the construction of a single lane roundabout at Parish Road 929 and Braud Road.

Peters Road Bridge & Extension - *Plaquemines and Jefferson Parishes, LA* - Roadway drainage design for a new fixed, high level bridge and approach roadways across the intracoastal waterway. Coordinated with Jefferson Parish drainage for type, size, location, and construction sequencing of the box culvert to maintain flow in the Murray Canal and all times during construction.

LA 466 / 5th Street Improvements - *Gretna, LA* - Principal provided project oversight for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. BKI prepared both preliminary and final plans in accordance with design criteria to be developed with input from LADOTD and the City of Gretna.

Joor Road/Gurney Road Intersection Improvements - *Baton Rouge, LA* - Project Manager/Project Engineer supervised geometric design; and horizontal and vertical alignment including drainage, paving, striping, signage plan, sequence of construction, quantity estimates, and a signalized intersection.

Ascension Parish Road Improvements - *Ascension Parish, LA* - Project Manager/Project Engineer for preliminary and final design including the preparation of construction documents of horizontal and vertical alignment of 26 roadways, including drainage and cost estimates.

Mt. Airy/Garyville Road Relocations - *St. John the Baptist Parish, LA* - Project Manager provided guidance for the preparation of a roadway relocation and reconstruction project. The relocation and reconstruction of several roadways was necessitated from a statewide safety program to minimize the number of rail/roadway crossings and upgrade safety equipment at crossings.

Tchoupitoulas Street Reconstruction, Crescent City Connection to Jackson Avenue - *New Orleans, LA* - Developed construction documents including plans and specifications for reconstruction of Tchoupitoulas St. between Crescent City Connection and Jackson Ave to serve as the major truck route to Port of New Orleans. Design included horizontal and vertical geometry, paving, grading, drainage, striping, sequence of construction, geometric layouts, geometric details and utility design.

South Choctaw Drive Road Improvements - *Baton Rouge, LA* - Project Manager/Project Engineer for traffic analysis and the preparation of construction drawings for the widening from two lanes to four lanes on the South Choctaw Drive Extension from Flannery Road to Florida Boulevard. The analysis included hose and manual traffic counts, intersection analysis, corridor analysis and recommendations for roadway corridor lane geometry and signal lane geometry. The preparation of construction drawings included horizontal and vertical geometry, paving, grading, drainage, striping, sequence of construction, and utility design.

Stumberg Lane Extension - *Baton Rouge, LA* - Project Manager/Project Engineer for traffic analysis and the preparation of construction drawings for the Stumberg Lane Extension from Jefferson Highway to Airline Highway.

Caddo Street Improvements - *Shreveport, LA* - Project Manager/Project Engineer for the design of street improvements including horizontal and vertical layouts, geometric layouts, grading, drainage, paving, striping, construction sequencing, and two signalized intersections.

I-10 Causeway Interchange - *Metairie, LA* - Civil Engineer for roadway and signal plans to replace the outdated cloverleaf interchange with a semi-directional interchange. Mr. Picard was responsible for the signal designs, along with coordination with Jefferson Parish on signals.

Earhart Expy - Causeway Blvd Interchange SPN H.002861 - *Metairie and Jefferson, LA* - Hydraulic engineer for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. Providing drainage design oversight and mentoring of younger engineers for roadway drainage.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
René A. Chopin, III, PE <i>Senior Vice President / Chief Engineer</i>
Project Assignment
Supervisor - Civil Engineer (<i>Minimum Qualifications - 2</i>)
Name of Firm with which associated

Years' experience with this Firm:
36
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1988 / Civil Engineering
Active registration: Year first registered/discipline
1993 / Professional Engineer, State of LA No. 25174
Other experience and qualifications relevant to the proposed project:
<p>Mr. Chopin, a Senior Vice President/Chief Engineer at BKI, is in charge of project production, project management, and staff supervision. He has 31 years of professional engineering experience and has provided professional consulting focused on a wide range of highway, roadway, and bridge designs. He has served as Project Manager or Project Engineer on numerous bridge, roadway, dock, wharf, structural, and infrastructure projects. Mr. Chopin's projects have garnered awards and commendations from the American Concrete Institute Louisiana Chapter and the National Partnership for Highway Quality. Mr. Chopin holds a Bachelor of Science in Civil Engineering, and is a Registered Professional Engineer in Louisiana, Mississippi, Florida, Alabama, and Texas. He is also a member of the American Society of Civil Engineers and the American Concrete Institute of which he is Past President of the Louisiana Chapter. Mr. Chopin attended the Louisiana Traffic Control Supervisor Refresher training course for the American Traffic Safety Services Association in 2023.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

Mr. Chopin has worked on the following applicable projects:

Fourth Street Extension Environmental Assessment and Design SPN 700-26-0247 - *Gretna, LA* - Provided project oversight for an Environmental Assessment for an extension of Fourth Street to provide a more direct connection to the Westbank Expressway. The LA 18 (4th Street Extension) project involved the design and construction of a two-lane, minor arterial roadway within the former Union Pacific Railroad right-of-way.

Jefferson Parish Westbank Street Repair Program Management - *Jefferson Parish, LA* - Project Manager for the development of scopes, budgets, schedules, design oversight, periodic site visits during construction, preparing pay estimates, document change orders, and coordination with FEMA.

Intersection Improvements at Williams & Airline - *Kenner, LA* - Provided QA/QC for the project, which aimed to improve pedestrian access to an intersection. The project followed LADOTD'S standard plan format and met all LADOTD requirements.

Peters Road Bridge and Extension - *Plaquemines and Jefferson Parishes, LA* - Project Manager for construction engineering support including shop drawings, submittal review, answering RFIs, and the preparation of plans and specifications for the design of a new fixed, high level bridge across the intracoastal waterway (AASHTO LRFD Design). Project also includes four miles of new approach roadways and reconfiguring the Peters Road/Engineers Road Interchange. Mentored others in roadway geometric design. Prepared Hammerhead Pier design calculations and details for younger engineers to follow design method.

LA 466 / 5th Street Improvements - *Gretna, LA* - Responsible for managing personnel and resources for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. BKL prepared both preliminary and final plans in accordance with design criteria to be developed with input from LADOTD and the City of Gretna.

Mandeville Bypass - *Mandeville, LA* - Provided civil engineering services for the preparation of line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections.

US 167 Widening Dry Prong to Winn Parish - *Grant and Winn Parishes, LA* - Provided project management services for the preparation of plans and specifications for the widening of a 14.5 mile stretch of US 167 from two lanes to four lanes. Project included numerous box culverts and two slab span bridges.

Clearview Pkwy Improvements, Mounes to Airline - *Jefferson Parish, LA* - Supervised planning and environmental engineering study to upgrade traffic capacity for future widening of Huey P. Long Bridge.

Earhart Expy - Causeway Blvd Interchange - **SPN H.002861** - *Jefferson Parish, LA* - Project Manager providing design oversight and mentoring of younger engineers for a new interchange between Earhart Expressway (LA3139) and Causeway Boulevard (LA 3046). The existing bridges widened for the interchange were inspected and rated per the Load Resistance Factor Rating and recommendations for correcting deficiencies for LADOTD's consideration.

I-10 Causeway Interchange - *Jefferson Parish, LA* - Project manager for converting a cloverleaf interchange into a direct and semi-direct connection. Performed the geometric design and layout for the entire interchange. Developed the TS&L for the five elevated ramps. Quality Controlled the bridge design and details. Attended the monthly partnering meetings, supervised shop drawing review and answered RFIs during construction.

I-10 Widening Veterans Blvd. - Clearview Pkwy - *Metairie, LA* - Project Manager for roadway and bridge design for widening approximately 1.5 miles of urban interstate highway. Provided Quality Control of roadway and bridge plans during preliminary and final plans. Attended the monthly partnering meetings and supervised the shop drawing reviews and answered RFIs during construction.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
David E. Boyd, PE <i>Vice President - Civil Engineer</i>
Project Assignment
Civil / Hydraulic and Hydrologic Engineer (<i>Minimum Qualifications - 3</i>)
Name of Firm with which associated

Years' experience with this Firm:
18
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2004 / Civil Engineering
Active registration: Year first registered/discipline
2010/ Professional Engineer State of LA No. 35510
Other experience and qualifications relevant to the proposed project:
<p>Mr. Boyd is a Vice President in BKI's Civil Engineering Division. Since 2006, Mr. Boyd has provided BKI's public and private clients with professional consulting engineering services for roadway drainage projects. Mr. Boyd is proficient in Hydrologic and Hydraulic modeling using HEC-HMS and HEC-RAS as well as SWMM software. Projects of note include several master drainage plans for various parishes; these projects involved analyzing existing conditions and future conditions as well as drainage improvements to alleviate flooding.</p> <p><i>Mr. Boyd's applicable projects are listed on the following page.</i></p>

Mr. Boyd has worked on the following applicable projects:

Peters Road Bridge & Extension - *Plaquemines and Jefferson Parishes, LA* - Civil Engineer for a new fixed, high level bridge and approach roadways across the intracoastal waterway.

Ascension Parish Road Improvements - *Ascension Parish, LA* - Civil Engineer performed preliminary and final design of horizontal and vertical alignment of various roads, including drainage and cost estimate.

Parish Rd 929 at Braud Rd Roundabout - *Ascension Parish, LA* - Project Manager for the design of a single lane roundabout at Parish Road 929 and Braud Road. The project is part of the MOVE ASCENSION program to improve traffic conditions across the parish. Although this was an Ascension Parish program, for consistency and convenience, LADOTD standards, references, manuals, and format requirements were used.

LA 466 / 5th Street Improvements - *Gretna, LA* - Civil Engineer provided project management and design for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue.

Maplewood Area Drainage Improvements - *Harvey, LA* - Project Engineer provided project engineering for the development of construction drawings and specifications for the installation of 9,100 linear feet of stormwater culverts, 33 junction boxes, 80 catch basins, and 3,500 square yards of paving. Hazard Mitigation Grant Program funds were awarded to Jefferson Parish after Hurricane Gustav, and the project would improve drainage in the Maplewood subdivision, which had historically flooded during intense rainfall events. Mr. Boyd provided more than 950 hours of service on the project.

Gretna Downtown Drainage Improvements - *Gretna, LA* - Project Manager provided oversight, quality control, client coordination, and civil design oversight for the design and engineering of a layered green and grey stormwater infrastructure project within the downtown area. To alleviate localized stormwater flooding issues, the project used green infrastructure improvements along the public right-of-way to meet multiple demands: stormwater management, continued revitalization in the downtown area, and improved public right-of-way safety and accessibility.

Wardline Road Drainage Improvements - *Hammond, LA* - Civil/Hydraulic Engineer performed the hydrologic and hydraulic study and prepared the report for improvements to the system to eliminate backwater flooding from a 10-year design storm. Project encompassed a topographic, drainage structure, and drainage area survey; a hydrologic and hydraulic study; and construction administration services.

Breaux Ditch Improvements - *Jefferson Parish, LA* - Project Manager provided contract and client management, design oversight, and quality control for the replacement of the existing ditch with a 4'x8' reinforced concrete flume to provide improved maintenance and stability.

Stumpf Boulevard Drainage Improvements - *Gretna, LA* - City Engineer / City of Gretna liaison for the installation of a 72- inch drainage pipe in the Stumpf Boulevard Canal. The pipe would provide sufficient capacity to convey storm water while addressing bank erosion. Adjacent travel lanes along Stumpf Boulevard were replaced after the base failed and roadway surface settled or warped.

Belle Chasse Area Master Drainage Plan - *Plaquemines Parish, LA* - Provided civil engineering services for the preparation of a hydrologic and hydraulic study. The Master Drainage Plan will be the basis for infrastructure programming and guidance for residential and commercial developments.

Rural Bridges Replacement Initiative Phase I & Phase II - *Various Parishes, LA* - Oversaw and provided QA/QC for the hydrologic-runoff calculations using LaDOTD's Hydraulic Software (Hydr2009) HYDR1110, HYDR1130 and HYDR2130. Oversaw and provided QA/QC for Hydraulic calculations using Hydraulic Engineering Center – River Analysis System (HEC- RAS). Maximum Water Surface Elevations for the 25, 50, 100 Year Events were determined to set the low chord of the bridges. HEC RAS was also used to compute the bridge scour for the pier configurations (types, sizes and quantities) of each bridge. This hydrologic and hydraulic data was used for the redesign, removal and reconstruction of 33 LaDOTD bridges.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Timothy K. Koenig, PE <i>Associate - Civil Engineer</i>
Project Assignment
Civil Engineer (<i>Minimum Qualifications - 3</i>)
Name of Firm with which associated
 The logo for BKI Burk-Kleinpeter, Inc. features the letters 'BKI' in a large, bold, blue sans-serif font. To the right of 'BKI' is the company name 'BURK-KLEINPETER, INC.' in a smaller, blue, all-caps sans-serif font. Below the company name, the words 'ENGINEERING', 'PLANNING', and 'ENVIRONMENTAL' are listed in a small, blue, all-caps sans-serif font, separated by small dots.
Years' experience with this Firm:
20
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2004 / Civil Engineering Bachelor of Science / 1998 / Microbiology
Active registration: Year first registered/discipline
2009 / Professional Engineer State of LA No. 35079
Other experience and qualifications relevant to the proposed project:
<p>Mr. Koenig is an Associate Civil Engineer and holds a Bachelor of Science in Civil Engineering from the University of New Orleans. Since joining BKI in 2004, he has provided professional consulting services to public and private clients throughout the Gulf South region. He has provided these services for a wide range of projects, serving as Project Manager or Project Engineer on numerous roadway and transportation projects. Mr. Koenig attended the Louisiana Traffic Control Supervisor Refresher training course for the American Traffic Safety Services Association in 2023.</p> <p><i>Mr. Koenig's applicable projects are listed on the following page.</i></p>

Mr. Koenig has worked on the following applicable projects:

Mt. Airy/Garyville Road Relocations - *St. John the Baptist Parish, LA* - Designed improvements to and closure of multiple rail crossings in the Mt. Airy/Garyville area. Produced final plan set that included typical sections, quantity table, plan and profile sheets, and cross sections. Also prepared project specification and a project cost estimate.

Mandeville Bypass - *Mandeville, LA* - Provided civil engineering for the preparation of line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections. The project included 3.5 miles of roadway, a multi-use path, and two roundabouts.

Parish Rd 929 at Braud Rd Roundabout - *Ascension Parish, LA* - Prepared preliminary and final plans for upgrading the intersection from a four-way stop to a roundabout. The two-lane roundabout was designed for a WB-67 design vehicle and included a dedicated left turn lane. The project also included drainage and lighting improvements, engineer's construction cost estimate, phasing and detour plan, coordination of utility relocations, and coordination of right-of-way acquisition.

Nashville Avenue Terminal Paving Project - *New Orleans, LA* - Created vertical and horizontal alignment geometry for replacement of 2.03 miles of rail including #8 turnout for spur line. Designed rail to new concrete panel connections for Cooper E80 loading. Designed bumper stop post with shock head for end of rail line. Calculated quantities and created cost estimate for all rail items. Performed construction administration duties during project construction.

LA 23 NOGC Railway Relocation PE/NEPA Project - *Jefferson/Plaquemines Parishes, LA* - Project engineer assisting in the preparation of rail/roadway intersection concepts.

St. James Parish Master Drainage Plan, Culvert Analysis, and Design Program - *St. James Parish, LA* - Provided preliminary design services for drainage improvements to LA 3125 including plan and profile sheets, cross sections, quantities, and a project cost estimate.

Wardline Road Drainage Improvements - *Hammond, LA* - Civil Engineer provided design and plan preparation services for drainage improvements that aimed to reduce or eliminate flooding in the Wardline Road area from a moderate (10-year frequency) rainfall event. BKI's services included surveys along Wardline Road, a hydraulic and hydrologic study, road design, storm drainage, and construction administration services.

Hurricane Damage Assessments & Recovery Plan for the Port of New Orleans (FEMA) - *New Orleans, LA* - Preliminary engineering assessments of damage to Port facilities following Hurricane Katrina and Hurricane Rita. Services also included preliminary cost estimates and made recommendations as to repairs to restore these facilities to normal operations.

Hurricane Damage Assessments & Recovery Plan for the St. Bernard Port, Harbor & Terminal District (FEMA) - *St. Bernard Parish, LA* - Preliminary engineering assessments of damage to Port facilities following Hurricane Katrina and Hurricane Rita. Services also included preliminary cost estimates and made recommendations as to repairs to restore these facilities to normal operations.

St. Bernard Port - Arabi Terminal Entry Gate, Scales & Road - *St. Bernard Parish, LA* - Assisted with specification assembly, quantity verification and checked design.

CN-McComb Subdivision Reroute Project - *Southern LA* - Assisted in the design of and geometric layout of rail line reroute and preparation of feasibility study and construction documents.

Milan Upland Yard - Phase II - *New Orleans, LA* - Provided civil engineering for the preparation of a paving, patching, and rehabilitation project.

CN/IC Railroad Master Service Agreement - *Multiple Parishes, LA* - Provided civil engineering for the preparation of permits, feasibility studies, preliminary design, final design, bidding assistance, construction administration, and resident inspection.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
René A. Chopin, IV, PE <i>Civil / Hydraulic Engineer</i>
Project Assignment
Civil / Hydraulic Engineer <i>(Minimum Qualifications - 3)</i>
Name of Firm with which associated

Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2013 / Civil Engineering
Active registration: Year first registered/discipline
2018 / Professional Engineer State of LA No. 42349
Other experience and qualifications relevant to the proposed project:
<p>Mr. Chopin joined BKI full time in 2013 after serving as an intern for two years. He graduated from the University of New Orleans with a Bachelor of Science in Civil Engineering and is a Registered Professional Engineer in Louisiana. Mr. Chopin works in the Civil Department with a focus on Hydraulic and Hydrologic Engineering. His experience includes the use of the Department of Transportation and Development HYDR 2009 as well as HEC-HMS and HEC-RAS programs to calculate drainage flows and pipe capacities. He has worked on various projects such as roadway and drainage improvement projects, master drainage plans, and harbor improvements including dredging. His responsibilities have included performing engineering calculations, site layout, plan and specification preparation, estimating project costs, and construction administration. Mr. Chopin attended the Louisiana Traffic Control Supervisor Refresher training course for the American Traffic Safety Services Association in 2023.</p> <p><i>Mr. Chopin's applicable projects are listed on the following page.</i></p>

Mr. Chopin has worked on the following applicable projects:

Jefferson Parish Westbank Street Repair Program Management - *Jefferson Parish, LA* - Provided contractor oversight for streets improvement projects throughout the Westbank of Jefferson Parish.

Peters Road Bridge and Extension - *Plaquemines and Jefferson Parishes, LA* - Generated drainage maps, performed calculations to determine runoff, and sized drainage structures for the extension of approach roadways across the intracoastal waterway. Prepared the hydraulic calculations in accordance with LADOTD's Hydraulic Manual.

Earhart Expy - Causeway Blvd Interchange - SPN H.002861 - *Jefferson Parish, LA* - Provided civil engineering services for the design of a new interchange between Earhart Expressway (LA3139) and Causeway Boulevard (LA 3046). Mr. Chopin analyzed the existing drainage network and designed the drainage for the new interchange, in accordance with LADOTD's Hydraulic Manual.

LA 466 / 5th Street Improvements - *Gretna, LA* - Provided civil engineering services for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue.

Mandeville Bypass - *Mandeville, LA* - Provided hydraulic and hydrologic engineering for the preparation of line and grade studies including HEC-RAS analysis of existing and proposed crossing culverts and bridges. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections. The project included 3.5 miles of roadway, multi-use path, and two roundabouts. Prepared the hydraulic calculations for the drainage design in accordance with LADOTD's Hydraulics Manual.

Maplewood Area Drainage Improvements - *Harvey, LA* - Civil Engineer performed construction administration duties including verifying quantities, reviewing as-built plans, and reviewing field inspection reports for drainage improvements in the Maplewood subdivision area, which had historically flooded during intense rainfall events.

Mt. Airy/Garyville Road Relocations - *St. John the Baptist Parish, LA* - As a Civil Intern, determined new locations and calculated turn-out radii for CN railroad crossings.

Parish Road 929 at Braud Road Roundabout - *Ascension Parish, LA* - Civil Engineer provided drainage design for the construction of a roundabout interchange. Performed HEC-RAS analysis of concrete box culverts to replace existing bridges and facilitate the construction of the new interchange.

Wardline Road Drainage Improvements - *Hammond, LA* - Provided civil engineering services for improvements to the system to eliminate backwater flooding from a 10-year design storm. Project encompassed a topographic, drainage structure, and drainage area survey; a hydrologic and hydraulic study; and construction administration services.

Sharp Road Detention Pond - *Mandeville, LA* - Provided of civil engineering services for the development of a detention pond and drainage improvements near Asbury Drive, Century Oaks Lane, Sharp Road, Marquette Street, and Cypress Lake. Existing storm drainage channels and pipe culverts were upgraded from a 10-Year Storm Event capacity to a 25-Year Storm Event capacity. The project included a 15.5 acre-foot detention pond with an overflow weir structure, 342 linear feet of concrete pipe or pipe arch, and 3,000 linear feet of channel widening.

Master Drainage Plan / Flood Protection Project - *St. James and Ascension Parishes, LA* - Civil Engineer surveyed existing culverts in St. James Parish, analyzed data, and reassessed deficiencies to provide a suitable solution. Assisted in creating plan sheets of analyzed culverts to provide the Parish with a Master List. Created existing and proposed surface models in AutoCAD Civil 3D.

Bayou Paul Lane Ditch and Culvert Improvements Project - *City of St. Gabriel, LA* - Project Manager providing oversight as well as performing hydraulic analysis using LADOTD's Hydraulic Software, HydrWIN2009. Generating a cost estimate based on proposed improvements as well as creating construction documents and assisting in the bidding-advertising of the project. Will provide construction administration services and provide oversight of the resident inspection.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Andrew R. Jensen, PE <i>Civil Engineer</i>
Project Assignment
Civil Engineer (<i>Minimum Qualifications - 3</i>)
Name of Firm with which associated

Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2014 / Civil Engineering
Active registration: Year first registered/discipline
2019 / Professional Engineer State of LA No. 43382
Other experience and qualifications relevant to the proposed project:
<p>Since joining the BKI team in 2014, he has performed civil engineering design services for full street reconstruction projects involving dozens of blocks with construction cost in the tens of millions of dollars. Pavement, drainage, water and sewer utilities are replaced as part of these projects. He also has extensive experience working on LADOTD highway projects involving interchanged design, roadway bridge geometrics, roadway and bridge drainage design, and pedestrian accessibility. Mr. Jensen is proficient in AutoCAD, Civil 3D, AutoTurn, and InRoads software. In addition, he attended the Louisiana Traffic Control Supervisor Refresher training course for the American Traffic Safety Services Association in 2023.</p> <p><i>Mr. Jensen's applicable projects are listed on the following page.</i></p>

Mr. Jensen has worked on the following applicable projects:

Fourth Street Extension Environmental Assessment and Design SPN 700-26-0247 - *Gretna, LA* - Provided civil engineering services for the design and construction of a two-lane, minor arterial roadway (LA 18 / Fourth Street Extension) within the former Union Pacific Railroad right-of-way. The roadway section consisted of 12-foot lanes and subsurface drainage. The project also included an eight-foot-wide multi-use pedestrian/bike path, associated decorative roadway lighting, and landscaping.

City of Gretna Downtown Drainage Improvements - *Gretna, LA* - Provided civil engineering services for the design and engineering of a layered green and grey stormwater infrastructure project within the city's downtown area. The project was part of FEMA's LASAFE program, which addresses community resiliency.

Intersection Improvements at Williams & Airline - *Kenner, LA* - Responsible for civil engineering services including roadway geometric design and the design of pedestrian improvements that comply with ADA requirements. The project, which aimed to improve pedestrian access to an intersection, followed LADOTD'S standard plan format and met all LADOTD requirements.

Lower Ninth Ward Quadrant 1 Road Repair - *New Orleans, LA* - Civil Engineer performed construction administration and management duties for a multi-block project in the Lower Ninth Ward consisting of removal and replacement of concrete and asphalt roadway pavement, concrete driveways and sidewalks, and point utility repairs.

Plum Orchard Group C RR136 (FRC) and Group D RR137 (FRC) - *New Orleans, LA* - Performed all civil engineering design services for urban street full reconstruction projects involving 11 blocks at a construction cost of about 6 million dollars. Pavement, drainage, water and sewer utilities are being replaced as part of the projects.

RR198 West End Group F (FRC) - *New Orleans, LA* - Performed all civil engineering design services for urban street complete reconstruction projects involving 14 blocks at a construction cost of over 10 million dollars. Pavement, water, and sewer utilities are being replaced as part of the projects. The drainage system was analyzed, and improvements were made to relieve drainage issues in the neighborhood.

Peters Road Bridge and Extension - *Plaquemines and Jefferson Parishes, LA* - Civil Engineer checking geometric data, performed guardrail design, intersection design, quantity calculations, cost estimating, and plan production. Performing super-elevation designs and worked with the bridge design team to make sure the geometric designs were correctly reflected in the structural designs and details.

Reynes Street Improvements - *New Orleans, LA* - Prepared plans, specifications, and detailed quality estimates for a full roadway reconstruction project including new roadway pavement, sidewalks, ADA ramps, driveways, drainage infrastructure, gravity sewer, and water utilities.

Causeway Blvd. - Earhart Expressway Interchange - *Metairie, LA* - Prepared both horizontal and vertical geometric design for elevated direction ramps for a new interchange. Prepared geometric layout, geometric control, curve data, and typical sections plans sheets. Prepared hydraulic calculations for storm drainage system and design drainage maps.

Lapalco Blvd. Westbound Left Turn Lane to Southbound Barataria Blvd. - *Jefferson Parish, LA* - Provided roadway geometric design, pavement marking design, and traffic control plan coordination for the design of an addition of a third turn lane from westbound Lapalco Blvd. to southbound Barataria Blvd., and the extension of the existing left turn lanes.

Causeway Boulevard Widening - *Metairie, LA* - Collected data for a detailed traffic study of the Causeway corridor and performed drainage calculations for the preliminary drainage report for the widening of Causeway Boulevard from Airline Drive to West Napoleon Avenue.

LA 466 / 5th Street Improvements - *Gretna, LA* - Assisted the lead designer in the development of typical roadway sections and horizontal alignments. The focus of the project is to provide maximum safety and accessibility for bicyclists and pedestrians within the existing right of way through a busy section of 5th Street in Gretna. The design conformed to LADOTD Complete Streets policy.

Mandeville Bypass - *Mandeville, LA* - Civil Engineer is assisting with geometric layouts for line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections; and the generation of existing and proposed surface models in AutoCAD Civil 3D.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Rebecca J. Chopin, PE <i>Associate - Civil Engineer</i>
Project Assignment
Structural Engineer (<i>Minimum Qualifications - 3</i>)
Name of Firm with which associated
 BKI BURK-KLEINPETER, INC. <small>ENGINEERING · PLANNING · ENVIRONMENTAL</small>
Years' experience with this Firm:
11
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2013 / Civil Engineering
Active registration: Year first registered/discipline
2017 / Professional Engineer, State of LA No. 41841
Other experience and qualifications relevant to the proposed project:
<p>Ms. Chopin is an Associate Civil Engineer with a strong structural engineering background. She is a Registered Professional Engineer in Louisiana, Mississippi, and Alabama with 11 years project experience focused on bridge design, inspection, and rating in accordance with Load Resistance Factor Rating (LRFR) and an emphasis on LADOTD standards. She is proficient in LEAP Bridge Concrete, Mathcad, and MicroStation. Typical responsibilities include managing plan production on large scale roadway and bridge projects, preparing construction documents, leading CAD technicians and engineers, obtaining DOTD permits, creating cost estimates and bid specifications, generating bid tabulations, utility coordination, and construction administration. Ms. Chopin is an active member of the American Concrete Institute and serves as a past president in Louisiana (2019). Ms. Chopin holds up-to-date Louisiana ATSSA Traffic Control Supervisor and Traffic Control Technician certifications.</p> <p><i>Ms. Chopin's applicable projects are listed on the following page.</i></p>

Ms. Chopin has worked on the following applicable projects:

Peters Road Bridge and Extension - *Plaquemines and Jefferson Parishes, LA* - Responsible for the bridge design in accordance with LADOTD and AASHTO codes and standards, including the design of concrete slab spans, pile bents, and hammerhead bents including cap, column, and foundation design. Responsibilities include plan development, completion of design reports, and coordination with LADOTD project managers.

Earhart Expy - Causeway Blvd Interchange - *Jefferson Parish, LA* - Responsibilities included completing a full inspection of existing bridge column bents, and determining load carrying capabilities in accordance with LRFR. Responsibilities also included the structural design of the new ramps. Designed multiple foundations, columns, and bent caps, as well as pile bents, bearing pads, and the concrete decks. In addition, responsibilities included plan development and coordination with LADOTD project managers and utility coordinators on utility relocations, preparing project utility maps for meetings and coordinating requirements of SUE work performed.

St. Bernard Parish Street Repairs - Phase I - *St. Bernard Parish, LA* - Structural Engineer reviewed lifting analysis and responded to questions regarding the structure and soil for the project in which BKI coordinated with FEMA to determine eligible repairs from damages directly attributed by Hurricane Katrina and the debris hauling operations. BKI prepared plans and specifications. Roadway pavement types included concrete, asphalt and a combination of both.

LA 466 / 5th Street Improvements - *Gretna, LA* - Assisting the lead designer in the preparation of roadway plans and roadway drainage design for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. The focus of the project is to provide maximum safety and accessibility for bicyclists and pedestrians within the existing right of way through a busy section of 5th Street in Gretna.

Williams Blvd Pedestrian and Lighting Improvements - *Kenner, LA* - Designed a new sidewalk to improve pedestrian movements and safety throughout the corridor. Responsible for creating the plan set, computing quantities, completing cost estimates, writing technical specifications, applying for DOTD permits, and corresponding with the City of Kenner, Contractor, and others. Saw project through construction administration to its completion.

LA 1 Toll Facilities - *Lafourche Parish, LA* - Inspected LA 1 striping, signing, signals, roadway, drainage, and the parking lot of the LA 1 Customer Service Center for annual inspections FY 2014 and FY 2016. Prepared the inspection report and developed cost estimates for correcting deficiencies identified by the inspections.

Mandeville By Pass - *Mandeville, LA* - Civil Engineer provided bridge design and details for two single direction roadway bridges over Bayou Castine, including the design of the decks, bearings, girders, bents, abutments, and approach slabs. Also responsible for coordination with hydraulic engineers for the purpose of foundation designs, as well as reviewing the geotechnical report.

Bob Pettit Road Bridge Replacement - *Baton Rouge, LA* - Structural bridge design checker for the Bob Pettit Road Bridge over Bayou Fountain. The bridge consists of concrete slab spans on pile bents and was designed in accordance with LRFD. Responsibilities included checking drawings, calculations, and quantities as well as assembling the final Engineer's cost estimate and structural calculation book.

Jack Warner Parkway Extension to Martin Luther King, Jr. Boulevard - *Tuscaloosa, AL* - Provided bridge design for a project to widen and relocate an existing 1.5 mile roadway.

Rural Bridge Replacement Initiative Phase I - *Various Parishes, LA* - As a prime consultant for the Louisiana Department of Transportation & Development (LADOTD), Burk-Kleinpeter, Inc. (BKI) was tasked with the Rural Bridge Replacement Initiative Phase I and II. This project replaces 67 substandard bridges and associated roadway approaches in 23 parishes. Rebecca serves as the bridge design engineer responsible for the Quality Control review of bridge design calculations, details, and cost estimates. She compiles bridge design calculation packages and bridge rating reports according to the LADOTD Bridge Design and Evaluation Manual (BDEM – Revision 9) for each bridge site.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
<p>Farhad "Fred" H. Mogharrebi, PE</p> <p><i>Civil Engineer</i></p>
Project Assignment
Structural Engineer (<i>Minimum Qualifications - 3</i>)
Name of Firm with which associated

Years' experience with this Firm:
3
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1983 / Civil and Environmental Engineering
Active registration: Year first registered/discipline
1998 / Professional Engineer, State of LA No. 27984
Other experience and qualifications relevant to the proposed project:
<p>Mr. Mogharrebi is a Structural Engineer with over 27 years of engineering experience with a focus on USACE flood control projects, water works, pumping stations, port and airport projects as well as other civil/structural projects. A registered Professional Engineer in Louisiana since 1998, Mr. Mogharrebi received his Bachelor of Science in Civil Engineering from Louisiana State University in 1983.</p> <p><i>Mr. Mogharrebi's applicable projects are listed on the following page.</i></p>

Mr. Mogharrebi has worked on the following applicable projects:

25th Street Canal Drainage Improvements - *Gretna, LA* - Provided structural design services for over 2000 feet of sheet pile wall which was installed to secure the bank and allow for flap gate installation. In order to manifold the drainage system and force the runoff to the pump station over 5400 feet of new drainage pipe was installed. Green Infrastructure techniques such as Gabion retaining walls, bioswales and riparian plantings were used along the upstream portions of the 25th Street Canal to not only lessen runoff and required pumping capacity but also to provide recreational aesthetic amenities for the neighborhood residents.

Ascension Storm Surge Protection - *Ascension Parish, LA* - Provided structural pump station modification plans, specifications, and cost estimates for increasing the capacity of the Sorrento Pump Station. Provided structural design, plans, specifications, and cost estimates for 5 floodgates along the levee alignment. Provided construction administration and closeout services for this project.


St. Charles Westbank Levee - *St. Charles Parish, LA* - Structural engineer on multiple project tasks assigned under this contract such as USACE WBV-74 for decennial dewatering, inspections, and repairs requiring plans and specifications for structural inspections including fracture-critical members (sector gate including control house, needles, and bulkheads; sluice gates including stoplogs; dolphins and guidewalls structures including timber piles), Cousins Pumping Station swing gate monolith (assisted in FEL effort and related cost estimate of the structural portion of the task; and New Bayou Gauche Pumping Station (structural design of new concrete monolith and piling support mechanical barrier screens for trash and debris removal, sheetpile retaining walls, pre-cast concrete access bridge, piling, and approach slabs).

Nashville Wharf Pile Failure Port of New Orleans - *New Orleans, LA* - Civil Engineer completed inspections of the Nashville Wharf for damage caused by the failed pile area and adjacent areas upstream/downstream from impacted section of the wharf to assist the port in assess next steps to correct the correct the issues with and caused by the pile failure.

Berth Inspection and Load Rating Services for Violet Berth - *Violet, LA* - Structural Engineer completed inspections post Hurricane Ida. Confirmed berth is structurally sound and could utilize the previously used facilities for current needs to berth cruise ships and other approved marine vessels.

SLFPA-E Seawall Rehabilitation - *New Orleans, LA* -Evaluated existing, provided conceptual structural mitigation alternatives, and related cost estimate to rehabilitate a 6-mile nearly-100-year-old New Orleans Lakefront Seawall Steps. This task included collaboration with Flood Protection Agency and appointed third-parties Geotechnical Engineering and Bathymetric teams as related to data classification, analysis, and specific types of proposed Alternatives for each Region / Reach of work.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Renee M. Poole, PE <i>Civil / Hydraulic Engineer</i>
Project Assignment
Civil / Hydraulic Engineer
Name of Firm with which associated

Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2019 / Civil and Environmental Engineering
Active registration: Year first registered/discipline
2023 / Professional Engineer, State of LA No. 47869
Other experience and qualifications relevant to the proposed project:
<p>Ms. Poole graduated in 2019 with a degree in Civil and Environmental Engineering. She served as President of the Society of Women Engineers' student chapter, team facilitator of the senior capstone design project, and conference chair of both the ASCE and ACI student chapter. Ms. Poole serves as Director and Recreation Committee Chair of the American Concrete Institute, Louisiana Chapter, and is a member of the American Public Works Association. She is proficient in MicroStation V8, AutoCAD 2021, HEC-RAS, and HYDR-WIN. At UNO, her previous work experience includes serving as an engineering tutor to students and as an engineering intern at BLD Services in Kenner, where she worked for three years assisting project managers and engineers on several city sewer, drainage, water maintenance, and capital improvement projects. Mr. Chopin attended the Louisiana Traffic Control Supervisor and Technician training courses for the American Traffic Safety Services Association in 2023.</p> <p><i>Ms. Poole's applicable projects are listed on the following page.</i></p>

Ms. Poole has worked on the following applicable projects:

RR136 Plum Orchard Group C (FRC) - New Orleans, LA - Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 3 full submittals.

RR137 Plum Orchard Group D (FRC) - New Orleans, LA -Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 3 full submittals.

RR198 West End Group F (FRC) - New Orleans, LA - Involved in the preliminary design phase of this full reconstruction city street job. Assisted in preparation of city and survey proposals and detailed cost estimates through 30% preliminary phase.

Earhart Expy - Causeway Blvd Interchange SPN H.002861 - Metairie and Jefferson, LA - Designed the relocation of Jefferson Parish's water and sewer mains for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish.

Reynes Street Improvements - New Orleans, LA - Reviewed contractor's project and product submittals and assisted in the preparation of plans, specifications, and detailed quality estimates for a full roadway reconstruction project (Reynes Street from South Claiborne Avenue to Florida Avenue) including new roadway pavement, sidewalks, ADA ramps, driveways, drainage infrastructure, gravity sewer, and water utilities.

Mandeville ByPass - Mandeville, LA - Providing civil engineering services and drainage calculations for the preparation of line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections.

Bayou St. John Sluice Gate Operation - Opening Matrix of Sluice Gates - New Orleans, LA - Used a previously completed HEC-RAS hydraulic model, and modified it with the sector gates closed and three different sluice gates added, then reran an unsteady flow analysis for each scenario. Scenarios being different Lake Pontchartrain WSE and different sluice gates open. The purpose was to show how long it would take for BSJ to reach a specific water surface elevation (WSE), given these curtain conditions. The times were given to the operators of the gates, so they would know how long to keep the gates open, or which gates to use and when.

Breaux Ditch Improvements - Jefferson Parish, LA - Updated the cost estimate and answered contractors questions regarding the design and specifications. Handled the small design and spec changes, created all the necessary addenda and contract documents, bidding process, and construction administration including: reviewing inspector reports and documents from the contractor, holding progress meetings, and overall staying on top of the project's progress from the consulting engineer's position.

City of Gretna Downtown Drainage Improvements - Gretna, LA - Providing civil design services and drainage calculations for the preparation of line and grade studies. Preliminary plans included the preparation of typical sections, plan/profile sheets, existing and design drainage maps, geometric layouts, sequence of construction, and cross sections.

Rural Bridges Replacement Initiative Phase I & II - Various Parishes, LA - Phase I completed the hydrologic, hydraulic and scour analyses for these 40+ bridge sites, both on- and off-system. Found the drainage area, hydrologic length, and slope using quad contour maps, LiDAR, or Q-GIS, and soil classification to calculate the existing channel's flow. Cut cross sections of the channel. Created a HEC-RAS model to analyze the existing structure and channel. Worked with the roadway team to determine what type of structure would be best, a suitable low cord and length for the proposed bridge or allowable sized of the culvert. Created a new HEC-RAS model for the proposed bridge and the channel improvements. Used the HEC-RAS model to analyze the proposed scour. Created and completed the criteria and hydraulic reports for this project. Completed all hydrologic work, hydraulic work, and report for each site included in the project. Also, calculated the required size of any/all driveway and erosion culverts required on the site. For Phase II reviewed each site's hydrologic & hydraulic engineering analysis and hydraulic criteria and design reports completed by subconsultant for complete reconstruction of multiple deficient bridges maintained by LA DOTD. Also, calculated the required size of any/all driveway and erosion culverts required on the site.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bailee L. Hurm, EI <i>Civil Engineer Intern</i>
Project Assignment
Civil Engineer Intern
Name of Firm with which associated

Years' experience with this Firm:
5
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2019 / Civil and Environmental Engineering
Active registration: Year first registered/discipline
2020/ Engineering Intern, State of LA EI.0034435
Other experience and qualifications relevant to the proposed project:
<p>Ms. Hurm is a Civil and Environmental Engineering graduate of the University of New Orleans (UNO). She is proficient in AutoCAD Civil 3D (2018) MicroStation V8. The ASCE New Orleans Branch awarded Ms. Hurm the <i>Distinguished Civil Engineer</i> award in Spring 2019. She is currently an active member of the American Society of Civil Engineers and the American Concrete Institute. The ASCE New Orleans Branch awarded Ms. Hurm the Distinguished Civil Engineer award in Spring 2019. Her previous work experience includes as an UNO engineering tutor to college students and as an engineering intern at Gaea Consultants, LLC, and Keystone Engineering, Inc. Ms. Hurm attended the Louisiana Traffic Control Supervisor and Technician training courses for the American Traffic Safety Services Association in 2023.</p> <p><i>Ms. Hurm's applicable projects are listed on the following page.</i></p>

Ms. Hurm has worked on the following applicable projects:

25th Street Canal Drainage Improvements - *Gretna, LA* - Assisted in roadway and drainage design for the creation of green infrastructure and to improve drainage along the 25th Street Canal and surrounding streets.

Earhart Expy - Causeway Blvd Interchange - *New Orleans, LA* - Aided in roadway and structural design and plan development for the new interchange between Earhart Expressway (LA 3139) and Causeway Boulevard (LA 3046) in Jefferson Parish. This project includes a full interchange providing all directions of movement between the two corridors. The interchange fit within a very compact footprint with very unique geometric challenges. The interchange features seven new ramps which include at-grade roadways and bridge structures.

Rural Bridges Replacement Initiative Phase I & Phase II - *Various Parishes, LA* - For *phase I*, provided geometric, roadway, and drainage design elements as part of the construction document development to replace 33 bridges on the State Highway System and local roadways in Districts 03, 07, 61, and 62. For *phase II*, provided civil engineering design services for the complete reconstruction of multiple deficient bridges maintained by LA DOTD in the State Highway system for Districts 05, 08, and 58. Performed preliminary roadway, geometric, grading, and drainage designs utilizing InRoads and MicroStation. Design elements include, but not limited to, horizontal and vertical geometry design applying stopping sight distance criteria, superelevation design, ditch design, and guard rail design. Provided preliminary and final construction drawings including typical sections, plan-profiles, geometric details, detour maps, construction sequencing, and cross sections. Provided cost estimates including quantity calculations and tables. Performed crash study analyses using the Highway Safety Manual spreadsheet. Provided design reports and design exception reports per DOTD Minimum Design Guidelines.

Jefferson Highway Rail Crossing Relocation - *Jefferson Parish, LA* - Responsible for the early design stages of a rail crossing relocation study for the two-grade separated alternatives. Utilized Microstation for roadway geometric design and for development of typical sections and plan/profile sheets following LADOTD standards.

Reynes Street Improvements-FEMA Lower Ninth Ward NW - Group B RR109 - *New Orleans, LA* - Reviewed contractor's project and product submittals. Conducted bi-weekly progress meetings and coordinated with the contractor and the city on pay applications and field/plan changes. Assisted in the resolution of unforeseen utility conflicts.

Plum Orchard Groups C (RR136) and D (RR137) Street Improvements - *New Orleans, LA* - Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 3 full submittals.

West End Group F (RR198) - *New Orleans, LA* - Completed a full drainage analysis including all necessary calculations, assumptions and reports. Created the roadway profiles to meet city standards and tie-in to the existing locations at multiple intersections and driveways. Created the complete sub-surface network analysis, for water, sewer, and drainage. Worked with the city to determine the final scope of the project. Also, put together the project specifications, cost estimate, and scoping report. Helped to completed the preliminary design, including 4 full submittals.

St. James Interior Drainage (Matherne, David, Woods Canal) - *St. James Parish, LA* - Assisted in construction administration for St. James drainage improvements, reviewing contractor project and product submittals.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Thomas P. Garsaud <i>Resident Inspector</i>
Project Assignment
Resident Inspection
Name of Firm with which associated

Years' experience with this Firm:
44
Education: Degree(s)/Year/Specialization:
N/A
Active registration: Year first registered/discipline
N/A
Other experience and qualifications relevant to the proposed project:
<p>Mr. Garsaud is a Resident Inspector with BKI. He is responsible for independent record keeping, preparation of daily and weekly reports for inspection testing, interpretation of plans and specifications, and observation of construction activities to check adherence to safety practices and requirements. Since 1980, Mr. Garsaud has provided public and private clients with professional resident inspection and construction administration services for civil, structural and mechanical engineering projects. He is a LADOTD Certified Asphalt Pavement Inspector and an ACI Certified Concrete Technician.</p> <p><i>Mr. Garsaud's applicable projects are listed on the following page.</i></p>

Mr. Garsaud has worked on the following applicable projects:

5th Street Improvements - *Gretna, LA* - Provided resident inspection services for streetscape improvements to the 5th Street corridor between Richard Street and Franklin Avenue. The primary purpose of the project was to revitalize 5th Street into a more vibrant main street focusing on pedestrian, bicycle, ADA, and landscaping within the roadway corridor.

Southeast Louisiana Submerged Roads Program - *Southeast Louisiana* - Inspector for asphalt overlays, base repairs and concrete walks, and drive repairs for submerged streets in New Orleans following Hurricane Katrina. The \$150 million street reconstruction Phase 1 project also included Jefferson and St. Bernard Parishes.

Post Katrina Damage Assessments / Litigation - *New Orleans, LA* - Inspection services associated with preliminary engineering assessments of damage to the Port of New Orleans facilities as a result of Hurricane Katrina and Hurricane Rita. BKI's services included survey of structural, mechanical and electrical systems for over 39 structures, cargo marshalling yards and service areas covering 9 linear miles of wharves and ports for damage, fender pile inspection, preliminary cost estimates and recommendations for repairs to restore the Port to normal operations.

St. Charles Parish West Bank Hurricane Protection System - *St. Charles Parish, LA* - Provided resident inspection for the St. Charles Parish West Bank Hurricane Protection System to reduce damage caused by storm surge. BKI's duties included the preparation of plans and specifications, bidding assistance, construction administration, and permitting.

PCCP Extension of Staff Services - *New Orleans, LA* - Performed periodic construction inspection services on behalf of the CPRA to review all phases of construction adherence to contract documents for over 70 features of design and construction associated with each of the three pump station sites.

Jefferson Parish Linear Park Bike Path (Duncan Canal to St. Charles Parish Line) - *Jefferson Parish, LA* - Resident Project Representative for concrete-lined drainage channel improvements, including u-shaped concrete flume with slope-paved sides.

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:	
RR136: Plum Orchard Group C City of New Orleans Department of Public Works 1600 Perdido St. New Orleans, LA 70112 Khalid Saleh 504-658-8000	BKl was contracted by the City of New Orleans to prepare construction documents for the RR136 Plum Orchard Group C Project. The project consists of repair and replace roadway and complete reconstruction of Eastview Drive from Chef Menteur Highway to Dwyer Road (5 blocks). Design included removal and replacement of existing portland cement concrete pavement, construction of concrete curb. Reconstructed pavement section include geogrid, geotextile, base course, and sub-base scarification and compaction. Work included required excavation, removal and replacement of sidewalks, driveway aprons, and reconstruction of ADA ramps in compliance with the latest ADA and pedestrian design guidelines . Utility improvements included removal of existing drainage, construction of adequately sized sub-surface drain pipes, catch basins and required manholes; removal and replacement of sewer pipes (to match alignment of existing), required manholes and service connections to property line; removal and replacement of water main in new location including required manholes, valves and service connections. BKl also designed final grades compatible with adjacent properties to provide for a positive flow of water towards catch basins.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
03/2023 (Est)	\$6.1 Million (Est. construction)	\$6.1 Million (Est. construction) \$203,323(fee)

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
RR136: Plum Orchard Group D City of New Orleans Department of Public Works 1600 Perdido St. New Orleans, LA 70112 Khalid Saleh 504-658-8000	BKl was contracted by the City of New Orleans to prepare construction documents for the RR137 Plum Orchard Group D Project. The project consists of repair and replace roadway and complete reconstruction on each block of Reynes St., America St., Plumb Orchard St., and Prentiss Ave. Design included removal and replacement of existing portland cement concrete pavement, construction of concrete curb. Reconstructed pavement section include geogrid, geotextile, base course, and sub-base scarification and compaction. Work included required excavation, removal and replacement of sidewalks, driveway aprons, and reconstruction of ADA ramps in compliance with the latest ADA and pedestrian design guidelines . Utility improvements included removal of existing drainage, construction of adequately sized sub-surface drain pipes, catch basins and required manholes; removal and replacement of sewer pipes (to match alignment of existing), required manholes and service connections to property line; removal and replacement of water main in new location including required manholes, valves and service connections. BKl also designed final grades compatible with adjacent properties to provide for a positive flow of water towards catch basins.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
03/2023 (Est.)	\$4.6 Million (Est. construction)	\$4.6 Million (Est. construction) \$112,610 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
RR198: West End Group F (FRC) City of New Orleans Department of Public Works 1600 Perdido St. New Orleans, LA 70112 Khalid Saleh 504-658-8000	BKI was contracted by the City of New Orleans to prepare construction documents for the RR198 West End Group F (FRC) Project. The project consists of repair and replace roadway and complete reconstruction on select blocks of Stafford Place, 39th St., and 37th St. Design included removal and replacement of existing portland cement concrete pavement, construction of concrete curb. Reconstructed pavement section include geogrid, geotextile, base course, and sub-base scarification and compaction. Work included required excavation, removal and replacement of sidewalks, driveway aprons, and reconstruction of ADA ramps in compliance with the latest ADA and pedestrian design guidelines. Utility improvements included removal of existing drainage, construction of adequately sized sub-surface drain pipes, catch basins and required manholes; removal and replacement of sewer pipes (to match alignment of existing), required manholes and service connections to property line; removal and replacement of water main in new location including required manholes, fire hydrants, valves and service connections. BKI also designed final grades compatible with adjacent properties to provide for a positive flow of water towards catch basins.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
06/2023 (Est.)	\$5.8 Million (Est. Construction)	\$5.8 Million (Est. Construction) \$232,701
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Williams Blvd/Airline Dr. Intersection City of Kenner Department of Public Works 1610 Rev. Richard Wilson Dr. Kenner, LA 70062 Jose A. Gonzalez (504) 468-7240	BKI was selected by the City of Kenner to design intersection improvements and signal upgrades to improve pedestrian safety and provide enhanced landscaping and lighting at the intersection of Williams Boulevard (LA 49) and Airline Drive (US 61) as part of the Kenner 2030 Initiative. All design work was coordinated through the LADOTD. Geometric layout was required to realign the existing four lanes of traffic to provide adequate median width for pedestrian refuge. Changes to the highway included new pavement, curbs, markings, and drainage. The existing wire suspended traffic signalization was proposed to be replaced with pole-mounted cantilever traffic signals. The signalization changes required foundation designs specific to the site and traffic timing analysis to include pedestrian crossing phases to the timing of the signals. Clear contrasting pavement was added to crosswalks.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
01/2019 (Actual)	\$800,000 (construction)	\$800,000 (construction) \$57,882 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
4th Street Extension Environmental Assessment City of Gretna 740 2nd St. Gretna, LA 70053 Belinda Constant 504-363-1570	BKL was selected by the City of Gretna to conduct an Environmental Assessment of an extension to Fourth Street (LA 18/466). Fourth Street is one of the oldest Westbank arterial streets paralleling the Mississippi River, offering connections to other major routes that intersect with the Westbank Expressway (US 90) and the Huey P. Long Bridge. Currently, the Fourth Street corridor provides no direct linkage to the Crescent City Connection Bridge. As a result, truck traffic is forced to use the older, residential streets in Gretna which are neither a safe nor efficient means of access to the industrial areas along the Mississippi River. BKL examined the alternatives for establishing a more direct traffic connection between the Gretna industrial riverfront and the Crescent City Connection. The firm was also tasked with providing an alternative that would reduce commercial and industrial truck traffic on residential streets, enhance safety and general mobility in the area by providing an alternative travel corridor, and address the projected growth in activity in the immediate area as a result of ongoing and planned economic expansion and development. The resulting roadway project involves the design and construction of a two-lane, minor arterial road-way within the former Union Pacific Railroad right-of-way . The project limits extend from Richard Street to Burmaster Street for a total length of 1.15 miles. The project also includes intersections with cross-streets that previously traversed the Railroad right-of-way. The roadway consists of concrete pavement, with 12-foot lanes, and includes subsurface drainage along its length . The project also includes an eight-foot wide multi-use path as well as decorative roadway lighting and landscaping .	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
03/2019 (Actual)	\$7.3 Million	\$647,282 (fee)
PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Jefferson Parish Westbank Street Repairs Jefferson Parish 1221 Elmwood Park Boulevard Harahan, LA, 70123 Mark Drewes, PE 504-736-6753	BKL was a member of the program management team for a streets improvement program with projects located throughout the Westbank of Jefferson Parish. BKL worked closely with Jefferson Parish in administering the program in accordance with FEMA Guidelines. BKL assisted in direct administrative roles including coordination with FEMA, design consultants, and Jefferson Parish . Program management roles included document control; development of scope of work and budget; monitoring of design schedules and review of in-progress design documents; resolving of constructibility issues; and reviewing of reports and final plans, specifications, and final cost estimates. During construction, BKL assisted in reviewing the contractor's construction schedules and schedule of values, and resident inspection.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
07/2010 (Actual)	\$3 Million	\$497,166 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Madison Street Improvements City of Gretna 740 Second Street Gretna, LA 70053 Belinda Constant (504) 363-1505	BKI was selected by the City of Gretna to design improvements for a section of Madison Street in Gretna. The scope of the project included the milling and overlaying the existing road surfacing, removal and replacement of an existing at-grade railroad track, drainage improvements at each intersection within the project limits, handicap accessibility improvements at each intersection, and minor repairs along the corridor.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
07/2010 (Actual)	\$3 Million	\$497,166 (fee)
PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Franklin Street Closure City of Gretna 740 Second Street Gretna, LA 70053 Belinda Constant (504) 363-1505	BKI was selected by the City of Gretna to provide street design, resident inspection, and construction administration for the closure of a section of Franklin Street. The project involved the removal of paving and curbs; concrete paving and curbs; construction of raised medians; sidewalk construction with pedestrian curb ramps; signal modifications; striping; installation of drainage and sanitary sewer piping and structures; removal of obstructions; fertilizing and seeding; and all other incidental work.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
07/2010 (Actual)	\$450,000	\$85,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
City of Gretna Street and Sidewalk Repairs City of Gretna 740 Second Street Gretna, LA 70053 Belinda Constant (504) 363-1505	BKI was contracted by the City of Gretna to assess and identify Hurricane Katrina damage to streets, sidewalks, curbs, and driveways at 79 sites in Gretna. BKI personnel performed field surveying to identify, measure, and quantify the extent of damaged roadway panels, sidewalks, and curbs - a result of debris hauling vehicles and the debris itself following Hurricane Katrina. BKI coordinated with FEMA and City officials to develop Project Worksheets to secure the necessary funding for these repairs. The project scope included oversight of the removal of damaged concrete roadway panels, concrete curbs, concrete driveway apron slabs, and concrete sidewalk panels; base repair; and adjustment of drainage structures. BKI prepared final construction documents and provided construction administration services to repair the streets and sidewalks that were damaged as part of the hurricane recovery.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
12/2012 (Actual)	\$304,000	\$31,246 (fee)
PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Ridgelake Drive at West Esplanade Intersection Improvements Jefferson Parish Department of Public Works 1221 Elmwood Park Boulevard Harahan, LA, 70123 Mark Drewes, PE (504) 736-6833	BKI was selected by the Jefferson Parish Council to design improvements for Ridgelake Drive at West Esplanade Avenue. The purpose of the roadway design was to minimize acquisition of right-of-way in a fully developed residential and commercial area, and to minimize disturbance to nearby residences and businesses, and disruption of parking and traffic patterns at these very busy intersections. BKI provided roadway and drainage plans and specifications, construction administration, and resident inspection services. Improvements included adding new turning lanes, a new concrete drainage culvert structure in Canal No. 2, a new signalization system and paving striping at the intersection, upgrading subsurface drainage in the project area, and replacement of existing concrete and asphalt pavement throughout the project area.	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
08/2002 (Actual)	\$3,000,000 (construction)	\$3,000,000 (construction) \$150,000 (fee)

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	N/A	N/A
2. N/A	N/A	N/A
3. N/A	N/A	N/A
4. N/A	N/A	N/A

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

BURK-KLEINPETER, INC., (BKI), is pleased to submit our Statement of Qualifications to the Jefferson Parish Council in response to your public notice for **SOQ 24-021 Routine Engineering Services for Streets Projects, Resolution 144319**. BKI shares Jefferson Parish's commitment to excellence. As a certified small business with over 100 years of experience, BKI is one of the leading consulting firms in the southeast region providing professional engineering (civil, hydraulic, and structural), mechanical design, planning, and environmental services to public and private clients throughout the southeastern US. The firm's engineering practice has consistently ranked among the top 20 firms in the southern states. We were recently recognized as part of the 2022 UNO25 class which recognizes 25 businesses that are making an impact on the community.

BKI's stability and depth of experience has provided numerous state and local public works authorities, including Jefferson Parish, with consulting services for the successful completion of a wide range of projects. With a multidisciplinary platform of experience and abilities, BKI integrates the proven best practices from all of our disciplines to meeting clients' big-picture needs in an ever-changing environment. **Headquartered in Kenner, BKI has provided engineering services to Jefferson Parish for more than 40 years.** We look forward to the opportunity to continue assisting Jefferson Parish with their street infrastructure needs.

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

Signature:  Print Name: Henry M. Picard, III, PE, PLS

Title: Senior Vice President Date: 07/16/2024

MINIMUM REQUIREMENTS FOR SELECTION

1. The persons or firm submitting a Statement of Qualifications shall have one principal who is a professional engineer who shall be registered as such in Louisiana.

Michael D. Chopin, PE, BKI's President and CEO, is a principal in the firm and a registered professional engineer in Louisiana.

2. The persons or firm submitting a Statement of Qualifications shall have a professional in charge of the project who is a professional engineer who shall be registered as such in Louisiana with a minimum of five (5) years' experience in the disciplines involved (routine engineering services for streets projects).

Henry M. Picard, III, PE, PLS, a Senior Vice President at BKI, is a Professional in Charge and a licensed, registered professional civil engineer in Louisiana with over 40 years of experience in routine engineering services for streets projects.

René A. Chopin, III, PE, a Senior Vice President and Civil Engineer, is a Professional in Charge and a licensed, registered professional civil engineer in Louisiana with over 36 years of experience.

3. The persons or firm submitting a Statement of Qualifications shall have one employee who is a professional engineer registered as such in Louisiana in field or fields of expertise (routine engineering services for streets projects) required for the project.

Andrew R. Jensen, PE, a Civil Engineer at BKI, is a licensed, registered professional Civil Engineer in Louisiana with over 10 years' experience.

David E. Boyd, PE, a Civil Engineer at BKI, is a licensed, registered professional Civil Engineer in Louisiana with over 20 years' experience.

Timothy J. Koenig, PE, a Civil Engineer at BKI, is a licensed, registered professional Civil Engineer in Louisiana with over 22 years' experience.

Rene A. Chopin, IV, PE, a Civil Engineer at BKI, is a licensed, registered professional Civil Engineer in Louisiana with over 11 years' experience.

Rebecca J. Chopin, PE, a Civil Engineer at BKI, is a licensed, registered professional Civil Engineer in Louisiana with over 11 years' experience.

EVALUATION CRITERIA**1. Professional Training and Experience**

BKI has selected team members with the experience and capabilities to lead successful streets projects. Proposed personnel have decades of experience in the design and implementation of projects involving roadway systems throughout the region and within Jefferson Parish. With those decades of experience come new approaches that have focused on finding unique solutions to specific geographical circumstances. The firm's numerous projects have involved the replacement of roadways, associated subsurface drainage, and other utilities under roadways and streets. BKI will use this previous experience, from conceptual design through construction, to perform the required design components of civil engineering; roadway design; drainage and hydraulic design; line and grade analysis; and cohesive coordination with Jefferson Parish and all affected utility owners in order to provide the necessary layouts, models, studies, costs, and plans and specifications to complete a bid package.

BKI possesses extensive roadway restoration and rehabilitation experience to investigate and assess roads in need of critical attention. BKI employs inspectors with certifications in asphalt and concrete pavement construction methods through the Louisiana Department of Transportation and Development (LADOTD) who will serve to ensure the project is constructed in accordance with the specifications and standards required. BKI will also draw upon the expertise of its team members to investigate the condition of existing pavement sections through the use of pavement corings as needed. Additionally, knowledge of construction sequencing will be essential to implementing any roadway project. As such, the proposed traffic sequencing plan will be designed to accommodate the maintenance of through movements along these important roadways.

Recent roadway projects completed in Jefferson Parish include **Madison Street Improvements** (constructed in Gretna in 2012), **Franklin Street Closure** (constructed in Gretna in 2012), and **Westbank Street Repair Program Management**. BKI's related project experience includes the projects outlined in Section 8 of this professional services questionnaire. More examples of BKI's professional accomplishments can be provided upon request.

Key personnel, with their role on this project in italics, include:

Michael D. Chopin, PE - *Principal / QA/QC*

- 33 years of experience in civil engineering planning, design, and construction
- Wide range of project management experience includes streets, roadway, and bridge projects

Henry M. Picard, III, PE, PLS - Senior Vice President

- 43 years of experience includes project management of civil engineering projects
- Has served as Project Manager or Project Engineer on numerous streets, roadway, and bridge engineering projects

Rene A Chopin, III, PE - Senior Vice President - Chief Engineer

- 36 years of experience includes project management of civil engineering projects
- Wide range of project management and engineering experience including streets, roadway, and bridge projects

EDUCATION AND EXPERTISE OF PROPOSED STAFF

NAME	YEARS EXPERIENCE	EDUCATION	EXPERTISE	JEFFERSON PARISH EXPERIENCE
Michael D. Chopin, PE	33	BS, Civil Engineering	QA/QC, Civil Engineering	Yes
Henry M. Picard, III, PE, PLS	43	BS, Civil Engineering	Project Management, Civil Engineering	Yes
David E. Boyd, PE	20	BS, Civil Engineering	Hydraulic and Hydrologic Modeling	Yes
Timothy J. Koenig, PE	22	BS, Civil Engineering	Civil Engineering	Yes
René A. Chopin, IV, PE	11	BS, Civil Engineering	Civil Engineering	Yes
Fred H. Mogharrebi, PE	27	BS, Civil Engineering	Structural Engineering	No
Andrew R. Jensen, PE	10	BS, Civil Engineering	Civil Engineering	Yes
René A. Chopin, III, PE	36	BS, Civil Engineering	Project Management Civil Engineering	Yes
Rebecca J. Chopin, PE	11	BS, Civil Engineering	Roadway and Bridge Design	Yes
Renee M. Poole, PE	5	BS, Civil and Environmental Engineering	Civil Engineer	Yes
Bailee L. Hurm, EI	5	BS Civil and Environmental Engineering	Structural Engineer Intern	Yes
Thomas P Garsaud	44	Other	Resident Inspection	Yes

2. Capacity for Timely Completion

BKI's past performance attests to its capacity to handle a reasonably large number of projects concurrently without any reduction in quality of design. Our present workload is such that we are able to commit the appropriate resources, including technical and support personnel. Based on BKI's well-established record of providing high quality services within set time frames, we are confident that BKI possesses the necessary manpower to complete any assigned tasks without compromising our standards. Because BKI has a team of experienced construction inspectors and field engineers, BKI can accommodate any field decisions or plan changes quickly and efficiently. Our key staff members are dedicated, seasoned professionals who are equipped to simultaneously handle the needs of multiple projects.

3. Location of Principal Office Where Work will be Performed

Our office is located at 2400 Veterans Memorial Blvd, Suite 310, Kenner, LA 70062 Our business hours are 7:30 a.m. to 5:30 p.m., Monday through Thursday, and 7:30 a.m. to 11:30 a.m., on Friday.

4. Adversarial Legal Proceedings with Jefferson Parish

BKI has no previous nor ongoing litigation with Jefferson Parish or any segment of the Parish government.

5. Prior Successful Completion of Similar Projects, With Verifiable References

BKI has provided engineering services to Jefferson Parish for the Westbank Street Repair Program Management project, for which BKI worked closely with Jefferson Parish in administering the program in accordance with FEMA Guidelines.

Other similar projects include:

PROJECT	DESCRIPTION	CLIENT REFERENCE
Fourth Street Extension Environmental Assessment and Design SPN 700-26-0247	BKI conducted an Environmental Assessment, and then completed the design (including alternatives) of an extension to Fourth Street (LA 18/466). The roadway consists of concrete pavement, with 12-foot lanes, subsurface drainage, an eight-foot wide multi-use path, as well as decorative roadway lighting and landscaping.	City of Gretna Belinda Constant (504) 363-1505
Intersection Improvements at Williams & Airline	BKI designed intersection improvements and signal upgrades to improve pedestrian safety and provide enhanced landscaping and lighting at the intersection of Williams Boulevard (LA 49) and Airline Drive (US 61) as part of the Kenner 2030 Initiative. Changes to the highway included new pavement, curbs, markings, and drainage.	City of Kenner Jose A. Gonzalez (504) 468-7240
Lower Ninth Ward Quadrant 1 Road Repair	BKI prepared damage assessments, scoping reports, and plans and specifications for the City of New Orleans as part of Hurricane Katrina related subsurface and road repair in the Lower Ninth Ward.	City of New Orleans Department of Public Works Kahlid Saleh (504) 658-8000
Reynes Street Improvements (RR109)	BKI was contracted to complete reconstruction of Reynes Street from North Claiborne to Florida Street (11 blocks). Design included removal and replacement of existing portland cement concrete pavement as well as construction of the concrete curb. Reconstructed pavement section include geogrid, geotextile, base course, and sub-base scarification and compaction.	City of New Orleans Department of Public Works Kahlid Saleh (504) 658-8000
Deslond Street & N. Derbigny Street Improvements/Reconstruction	BKI was selected by the City of New Orleans Department of Public Works to provide engineering design for the complete reconstruction of four street segments in the Lower Ninth Ward area of the City. BKI worked to incorporate innovative approaches and best management practices into the design. The resulting construction included pervious pavement surfacing, roadside rain gardens, and extensive landscaping. project is considered a pilot demonstration project with each individual block incorporating different best management practices depending upon the needs of the specific sub-neighborhood area. BKI's services included civil engineering design of the roadways and drainage features, preparation of plans and specifications, and cost estimates.	City of New Orleans Department of Public Works Kahlid Saleh (504) 658-8000

PROJECT	DESCRIPTION	CLIENT REFERENCE
Virgil Street Rehabilitation	BKI was selected by the City of Gretna to perform engineering and design services for the rehabilitation of Virgil Street from O-Connor Street to Pratt Street. BKI developed a solution to provide a retaining curb that would serve the dual purpose of retaining the canal embankment and providing a barrier curb at the edge of the roadway travel lane for safety purposes. Construction consisted of clearing and grubbing; removal of existing concrete pavement and base course; construction of the new barrier curb, concrete pavement, and base course; removal of obstructions; and reshaping of the sloped embankment of the Virgil Street Canal.	City of Gretna Belinda Constant (504) 363-1505

6. Size of Firm

BKI has 29 full-time employees. They are categorized as follows:

ENGINEER	DESIGNER/DRAFTER	ENGINEERING INTERN	CONSTRUCTION INSPECTOR	ADMINISTRATIVE
Civil: 8 Structural: 3	6	1	3	8

Of these employees, we have identified **12** individuals who will make up the core staff to provide services for this project. *See Section K for their resumes.* In addition, we are able to marshal resources from other experienced staff members in the company.

We understand routine engineering services for streets projects are requested by Jefferson Parish for a two-year period. Our staff, described previously, is fully capable of performing all engineering, technical, and administrative tasks related to the project.

7. Past Performance of Firm on Parish Contracts

For over 40 years, BKI has served Jefferson Parish on numerous projects, all of which have resulted in positive outcomes. One project in particular that highlights BKI's capacity for streets improvements includes the **Jefferson Parish Westbank Street Repair Program Management** project (*Project No. 6 in Section L*).

In addition to the current projects detailed in Section L, BKI has worked with Jefferson Parish on dozens of past projects covering a wide range of services and fees. We have performed over 30 projects encompassing roadway design, hydraulic design, traffic signal design, water system design, drainage system design, pump station design, drainage master planning, and wastewater treatment construction administration; six projects having to do with recreation planning and park, bikeway, and marina/waterfront design; six transportation and corridor planning and traffic and parking impact studies; and a wide variety of other projects including landscape architecture, railroad safety, and environmental services. BKI will provide a complete list of Parish work upon request.

BKI has successfully worked with numerous clients throughout the southeast on completing streets projects. In addition to Section L projects, the list below highlights BKI's major streets project experience in the Greater New Orleans area.

- | | |
|---|--|
| • Bayou Lane Connector Roadway, <i>Slidell</i> | • Mt. Airy/Garyville Road Relocations, <i>St. John the Baptist Parish</i> |
| • Breakwater Drive Improvements, <i>New Orleans</i> | • Paths to Progress Street Repair Program Management, <i>New Orleans</i> |
| • Deslonde Street and North Derbigny Street, <i>New Orleans</i> | • Replace Belle Chasse Tunnel & Bridge Environmental Assessment, <i>Belle Chasse</i> |
| • FEMA Lower Garden District - CBD Neighborhood Streets, <i>New Orleans</i> | • St. Bernard Parish FEMA Street Repairs - Phase I, <i>St. Bernard Parish</i> |
| • Flood and Gordon Streets, <i>New Orleans</i> | |
| • Gentilly Streetscape, <i>New Orleans</i> | |
| • Jackson Avenue Improvements, <i>New Orleans</i> | |

TEC Professional Services Questionnaire Additional Page

- LA 21 Widening Stage O and Line & Grade Study, *Covington*
- LA 23 Widening, *Gretna and Belle Chasse*
- Mandeville By Pass, *Mandeville*
- Morrison Road, *New Orleans*
- St. Bernard Streets Reassessments, *St. Bernard Parish*
- Tchoupitoulas Street FHWA, *New Orleans*
- Tulane-Gravier FEMA Street Repairs, *New Orleans*
- Williams Blvd Pedestrian Improvements, *Kenner*

Additionally, BKI has successfully completed or is in the process of completing the following streets projects for Jefferson Parish Council and Jefferson Parish Department of Public Works:

- LA 466 / 5th Street Improvements, *Gretna*
- Lapalco Blvd Overlay, *Marrero*
- Lapalco Blvd. Westbound Left Turn Lane Extension, *Marrero*
- Metairie CBD Paving Repair, *Metairie*
- Ridgelake Drive at West Esplanade Intersection Improvements, *Metairie*

BKI has also performed successfully on numerous public contracts of various types and sizes. We have completed projects ranging from drainage and flood control to highway interchange design, architectural design, and environmental and urban design and planning. A partial listing of our clients includes the following:

- Jefferson Parish Council and Department of Public Works
- Ascension Parish
- St. James Parish
- St. Charles Parish Council
- U.S. Army Corps of Engineers, New Orleans District
- Louisiana Department of Environmental Quality
- LA Department of Transportation & Development
- St. John the Baptist Parish
- City of Slidell
- New Orleans Sewerage and Water Board
- U.S. Army Corps of Engineers, Mobile District

Additional Information

BKI remains at the forefront of GIS technology by keeping its staff trained and up-to-date with the most current versions of software including GIS software such as ArcGIS by ESRI, work order management software like CityWorks and Site Manager, and relational database software including Oracle, SQL Server, DB2, and MS Access. For roadway design, the firm uses MicroStation with GEOPAK and/or InRoads, Civil 3D, AutoCAD, and AutoTurn. For 3D modeling, we are proficient in InfraWorks and Revit. BKI is fully versed on the MUTCD and is comfortable working with LADOTD, NACTO, Urban Streets, ADA and ADAARB Standards.

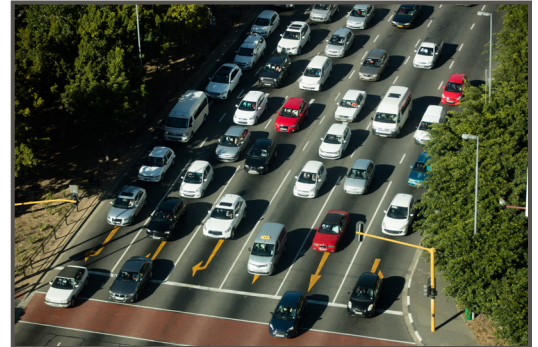
BKI's engineering software includes Watergems, HEC-1, HEC-2, HEC-RAS, HEC-HMS, HCS-3 (Highway Capacity Software), UNET, POND-PACK, SWMM, PASSER, STAAD III, DESCUS II, AutoCivil, COGOPC, CONSPAN, TRANSYT-7F, AutoTurn, dQUEUE, STAMINA/OPTIMA, SIGNAL2000/TEAPAC, SYNCRO and many more.

BKI has the capability to produce aerial photographs and high-quality aerial-based maps in ArcGIS8, AutoCAD, and MicroStation compatible format. One of our Project Managers holds a remote pilot certification from the Federal Aviation Administration, which allows us to provide drone-generated aerial imagery and capture a more comprehensive, high resolution picture of the construction progress. BKI maintains a full technical library, which includes access to numerous regulatory bulletin boards, technical journals, and government regulations.

Conclusion

In the body of this Jefferson Parish TEC Professional Services Questionnaire, BKI has provided the information requested in your Request for Qualifications. We feel we have the manpower, expertise, and equipment to exceed your expectations for **SOQ 24-021 Routine Engineering Services for Streets Projects, Resolution 144319**.

BFM Corporation, LLC.
TEC Questionnaire



BKI **BURK-KLEINPETER, INC.**
ENGINEERING · PLANNING · ENVIRONMENTAL



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Routine Engineering Services for

Streets Projects in Jefferson Parish

SOQ **24-021** | Resolution No. **144319**

B. Firm Name & Address:



BFM Corporation, LLC

15 Veterans Memorial Boulevard | Kenner LA 70062

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:

Ralph P. Fontcuberta, Jr., PLS, Executive Vice President

504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com

Registered Professional Land Surveyor (**Louisiana No. 4329; since 1974**)

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:

Ralph P. Fontcuberta, Jr., PLS, Executive Vice President

504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com

Registered Professional Land Surveyor (**Louisiana No. 4329; since 1974**)

E. Please provide the number of employees whose primary function corresponds with each category:

<u>4</u>	Administrative		Estimators		Specification Writers
	Architects (Licensed)		Geologists		Structural Engineers
	Chemical Engineers	<u>1</u>	Geotechnical Engineers		Graduate Engineers
	Civil Engineers		Interior Designers	<u>2</u>	Project Managers
	Construction Inspectors		Landscape Architects		Clerical (<i>see Administrative</i>)
	Ecologists	<u>1</u>	Land Surveyor (<i>Apprentice</i>)		Grant/Funding Specialist
	Electrical Engineers		Mechanical Engineers		Sanitary Engineers
	Engineer Intern		Environmental Engineers	<u>1</u>	<i>Researcher/Archivist</i>
<u>2</u>	Professional Land Surveyors			<u>3</u>	<i>CADD Technicians</i>
				<u>6</u>	<i>Survey Crew Chief</i>
				<u>6</u>	<i>Survey Crew Instrumentman</i>
				<u>26</u>	TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES _____ NO X

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.		
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 all subcontractors must submit a fully completed copy of this questionnaire, 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.		
3.		
J. Please specify the total number of support personnel that may assist in the completion of the Project: <div style="display: flex; align-items: center;"> <div style="border-bottom: 1px solid black; width: 100px; margin-right: 10px;">26</div> <div>(all personnel will be available for assignment to the project)</div> </div>		

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., résumé) 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:

Ralph P. Fontcuberta, Jr., PLS

Executive Vice President / Registered Professional Land Surveyor

Project Assignment:

Registered Professional Land Surveyor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

42 years (Founding Principal of BFM in 1982); Gulf South Engineering and Testing, Inc. | 2017 to present
57 years total (1967) BFM Corporation, LLC | 1982 to present
Surveys, Inc. | 1967 to 1982
The Boeing Company | 1964 to 1967

Education: Degree(s)/Year/Specialization:

2 yr, Building Trade Curriculum, Delgado, New Orleans
2 yr, Mathematics Curriculum, University of New Orleans

Active Registration: Year first registered/discipline:

1974 / Professional Land Surveyor (Louisiana No. 4329)
1974 / Professional Land Surveyor (Mississippi No. 1633)

Other experience and qualifications relevant to the proposed Project:

Ralph P. Fontcuberta, Jr., PLS has provided services on an almost incalculable number of surveying projects throughout southeastern Louisiana in the past half century and has been a registered Professional Land Surveyor (PLS) since 1974. He is thoroughly knowledgeable in all aspects of surveying: topographic, hydrographic, boundary, right-of-way surveying, and all facets thereof. He has provided surveying services for residential, plant, and industrial layout projects, ranging from small private lots & buildings to multi-million-dollar programs, including the New Orleans FEMA Streets/Recovery Roads Program. Since the beginning of his career, his work has entailed computations, drafting, and field work for various industrial, commercial, municipal, and private clients.

Project work has included topographic surveying needed for a wide variety of engineering, architectural, construction, and other related endeavors. This has included projects for numerous branches of virtually every regional city/parish/town government, multiple State agencies (LA Dept. of Natural Resources (LADNR), Coastal Protection & Restoration Administration (CPRA), LA

TEC Professional Services Questionnaire

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

Dept. of Transportation & Development (LADOTD), MS Dept. of Transportation (MDOT), and others), Federal agencies (U.S. Army Corps of Engineers (USACE), Dept. of the Navy, etc.), private/public companies (Entergy, BellSouth, Cox Cable, etc.), and numerous other public/private entities.

Mr. Fontcuberta's surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982, and to 1967 then while working as a surveyor with another firm. He has over half a century of experience with surveying throughout the region and specifically with Jefferson Parish. He has served as the PLS for projects throughout every corner of Jefferson Parish. Relevant project history includes, but is certainly not limited to, the following:

- West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA
- Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA
- Lapalco Boulevard Survey Update, Jefferson Parish, LA
- West Napoleon Avenue Extension (Highway Park Subdivision), Jefferson Parish, LA
- Bonnabel Boulevard Bike Path, Metairie, Jefferson Parish, LA
- Lapalco Boulevard Bridge at Harvey Canal, Jefferson Parish, LA
- Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA
- Barataria Boulevard Right Turn Lane, Jefferson Parish, LA
- Hollygrove Group E (RR065) Route Topographic Survey, Jefferson Parish, LA
- Veterans Memorial Boulevard Route Topographic Survey, Jefferson Parish, LA
- Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA
- Jefferson Highway to Charlotte Drive Route Topographic Survey, River Ridge, Jefferson Parish, LA
- Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA
- Soniat Canal Timber Bulkhead Replacement Route Topographic Survey, Jefferson Parish, LA
- Highway 90 Route Topographic Survey, Jefferson Parish, LA
- Bissonet Plaza Drainage Improvements (Phase 1, Elmwood & Craig Ave), Jefferson Parish, LA
- Transcontinental Drive (North Bound; W. Metairie to Veterans), Metairie, Jefferson Parish, LA
- Earhart Expressway - Proposed Lead Street On/Off Ramps, Jefferson Parish, LA
- Latigue Road Extension, Supplemental Services, Jefferson Parish, LA
- Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA
- Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA
- Ames Boulevard Rehabilitation, Jefferson Parish, LA
- Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA
- Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA
- L&A Road Revision Survey, Jefferson Parish, LA
- Green Acres Road, Metairie, Jefferson Parish, LA
- Veterans Memorial Boulevard - Westbound, Jefferson Parish, LA

TEC Professional Services Questionnaire

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

- Manhattan Boulevard Widening, Harvey, Jefferson Parish, LA
- Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA
- Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA
- Little Farms Avenue, Jefferson Parish, LA
- David Drive Corridor Project, Metairie, Jefferson Parish, LA
- Latigue Road Extension, Jefferson Parish, LA
- Bissonet Plaza Project Surveying, Metairie, Jefferson Parish, LA
- 11th Street Rehabilitation, Harvey, Jefferson Parish, LA
- Harvey Canal Subdivision Drainage Project, Harvey, Jefferson Parish, LA
- Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Barataria Boulevard Turn Lane Project, Marrero, Jefferson Parish, LA
- Kenner Marketplace Survey Update, City of Kenner, LA
- South Jamie Boulevard, Avondale, Jefferson Parish, LA
- Route Topographic Surveying for Multiple Streets (VFW Area), City of Harahan, Jefferson Parish, LA
- David Drive Corridor, Jefferson Parish, LA
- Mounes Street Subsurface Drainage (Phase IV, Dickory to Elmwood Park), Jefferson Parish, LA
- Metairie Road & Johnson Street, Route Topographic Survey, Jefferson Parish, LA
- Cleary Avenue Survey Checks, Metairie, Jefferson Parish, LA
- Walter Road at Melrose Avenue, River Ridge, Jefferson Parish, LA
- 25th Street & Adjacent Canal, Gretna, Jefferson Parish, LA
- Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA
- Lapalco Boulevard Survey Update, Jefferson Parish, LA
- Earhart Expressway Roadway Light Improvements, Jefferson Parish, LA
- Labarre Road Railroad Crossing, Metairie, Jefferson Parish, LA
- Citrus Road Project, Route Topographic Survey, River Ridge, Jefferson Parish, LA
- DOTD H.008068, Peters Road Bridge and Extension Project (Phase 2), Jefferson Parish, LA
- Veterans Memorial Boulevard/Power Boulevard at the Soniat Canal, Jefferson Parish, LA
- Veterans Boulevard RTA Multi-Use Trail, Jefferson Parish, LA
- Airline Overpass Rehabilitation, Phase 2, Jefferson Parish, LA
- Citrus Boulevard Improvements (Dickory Ave to Elmwood Park Blvd), Metairie, Jefferson Parish, LA
- Severn Avenue (Veterans Boulevard to West Esplanade), Metairie, Jefferson Parish, LA
- Airline Drive at Clearview Parkway/Zinnia Ave. to Houma Blvd., Jefferson Parish, LA
- Franklin Avenue (Gretna) Right-of-Way Boundary Survey, Gretna, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chad M. Poché, P.E.

Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Engineering Liaison

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

7 years (became partial owner of BFM in 2017);
31 years total (1993)

BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans
B.S., 1993, Civil Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

1998, Civil Engineer (Louisiana No. 27667)
2002, Civil Engineer (Mississippi No. 15405)

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations, and; serving as an Expert Witness. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic & hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project. Scope included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

Mounes Drive (Dickory to Elmwood Park), Jefferson Parish, LA. BFM provided a topographic survey for the Mounes Drive project, extending from Dickory to Elmwood Park Boulevard. The scope of services included establishing baseline, temporary benchmarks, and elevations, as well as boundary corners. Plotting of improvements and utility elements (sewer, water, drainage, etc.) was also included. (\$88,930 (fee); 2017)

Ames Boulevard Rehabilitation, Jefferson Parish, LA. BFM executed a Route Topographic Survey (RTS); the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The project area included Ames Boulevard from the apparent right-of-way (R/W) at Lapalco Boulevard to the apparent R/W north of Happy Street; approximately 4,800 linear feet. (\$82,500 (fee); 2019)

Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years. (\$77,733 (fee); 2018)

Transcontinental Drive (North Bound; W. Metairie Avenue to Veterans Boulevard), Metairie, Jefferson Parish, LA. BFM executed a Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$59,630 (fee); 2020)

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS

Vice President / Registered Professional Land Surveyor

Project Assignment:

Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

6 years (joined BFM in 2018);
13 years total (2011)

BFM Corporation, LLC | 2018 to present
Riverlands Surveying | 2016 to 2018
Bertucci Contracting | 2011 to 2016

Education: Degree(s)/Year/Specialization:

B.S., 2018, Geomatics, Nicholls State University

B.S., 2014, Construction Management, Louisiana State University

Active Registration: Year first registered/discipline:

2021, Professional Land Surveyor (Louisiana No. 5929)

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., is a registered Professional Land Surveyor in Louisiana and provides Project Management and Drafting Oversight for BFM Corporation. He is the first point of contact for clients on technical matters, scheduling, and deliverables for project work, and conducts meetings with engineering, architectural, and government officials to discuss various project needs. His project work has encompassed all manner of surveying services, from basic home lots to 100+ acre tract boundary surveys.

In the field, Mr. Lambert has provided services as a Survey Crew Chief, using both traditional and robotic surveying methods, since the start of his professional career, and has experience with Leica, Hypack, AutoCAD, AutoCAD 3D, Trimble, and RTK surveying technologies. He further trains employees in the use of an aerial drone, laser scanner, and remote-controlled hydrographic survey boat. This survey experience includes topographic, boundary, ALTA/NSPS, FEMA, and various construction surveying. Mr. Lambert has also conducted hydrographic surveys in the Mississippi River and various other bodies of water throughout the Gulf Coast area.

Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).

TEC Professional Services Questionnaire

Other experience and qualifications: **Gary J. Lambert, Jr., PLS (continued)**

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

Lapalco Boulevard Survey Update, Jefferson Parish, LA. BFM prepared a Site Specific Update Survey for the Lapalco Boulevard project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data. (\$20,480 (fee); 2021)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent R/W (right-of-way) to apparent R/W along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)

Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, LA. A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard. (\$11,390 (fee); 2019)

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

David Drive Corridor Project, Metairie, Jefferson Parish, LA. BFM executed a right-of-way service for this phase of the David Drive Corridor project. BFM has also provided surveying for other elements of the project, including a Route Topographic Survey. (\$3,971 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Field Operations Manager/Survey Crew Chief

Project Assignment:

Field Operations Manager/Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

10 years (joined BFM in 2014); BFM Corporation, LLC | 2014 to present
18 years total (2006) G.E.C., Inc. | 2010 to 2014
Krebs, LaSalle, LeMieux Consultants, Inc. | 2006 to 2010

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Louisiana Boater Education - Boating Safety Certificate
Norfolk Southern Roadway Worker Protection Contractor Safety Certificate

Other experience and qualifications relevant to the proposed Project:

Chris Lemley's services as BFM's Field Operations Manager includes overseeing all field work and activity by company personnel. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station. Notable past project work has included the New Orleans Museum of Art, Jackson Barracks Restoration, US Highway 11, NASA Michoud Cells 3 & 4, the St. Bernard Lot Next Door Program, and multiple Orleans Parish School Recovery projects (including L.B. Landry, George Washington Carver, and Alice M. Harte schools).

Citrus Boulevard Improvements, Jefferson Parish, LA. The project involved an Additional Route Topographic Survey; BFM provided surveying services for the Citrus Boulevard Improvements project, which extended from Dickory Avenue to Elmwood Park Boulevard. (\$7,085 (fee); 2017)

Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA. BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$41,135 (fee); 2017)

TEC Professional Services Questionnaire

Other experience and qualifications: **Christopher Lemley (continued)**

Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA. BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

Manhattan Boulevard Widening, Harvey, Jefferson Parish, LA. BFM executed boundary and Right-of-Way takings surveying services for Manhattan Boulevard's southbound lanes, from the West Bank Expressway to Gretna Boulevard. (\$21,150 (fee); 2018)

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

David Drive Corridor Project, Metairie, Jefferson Parish, LA. BFM executed a right-of-way service for this phase of the David Drive Corridor project. BFM has also provided surveying for other elements of the project, including a Route Topographic Survey. (\$3,971 (fee); 2018)


Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years. (\$77,733 (fee); 2018)

Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic & hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)

Richard Street Surveys, Gretna, Jefferson Parish, LA. BFM provided surveying services to recover temporary benchmarks (TBMs) at Richard Street, and re-establish vertical TBM control for the Fourth Street Extension. (\$4,520 (fee); 2016)

Latigue Road Extension, Jefferson Parish, LA. BFM executed surveying services related to the Latigue Road Extension project; this included surveying for a right-of-way acquisition. This was phase I of the project for the proposed extension from Foundry Road to Live Oak Boulevard. (\$8,896 (fee); 2015)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
John Philip Thayer Procurement Director (Proposals & Project Management Support)	
Project Assignment:	
Project Management Support	
Name of Firm with which associated:	
 BFM CORPORATION, LLC Professional Land & Hydrographic Surveying	
Years' experience with this Firm:	
16 years (joined BFM in 2008); 17 years total (2007)	<i>BFM Corporation, LLC 2008 to present</i> <i>Delle Land Surveying 2007 to 2008</i>
Education: Degree(s)/Year/Specialization:	
Certificate, 2015, Land Surveying Services B.S., 2007, Physical Education, Trevecca Nazarene University	
Active Registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<p>Phil Thayer serves as BFM's Procurement Director, providing proposal preparation and Project Management Support, having considerable experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.</p> <p>Hector Avenue Route Topographic Survey, Gretna, Jefferson Parish, LA. BFM provided Route Topographic Surveying services for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$29,240 (fee); 2018)</p> <p>Little Farms Avenue, Jefferson Parish, LA. BFM executed a Route Topographic Survey of Little Farms Avenue, from the Jefferson Avenue intersection to the Airline Drive Intersection. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$48,054 (fee); 2018)</p> <p>Route Topographic Surveying for Multiple Streets (VFW Area), City of Harahan, Jefferson Parish, LA. BFM provided Route Topographic Surveying for roadway repair areas in the VFW Area in Harahan; street locations included portions of Kielman Street, VFW Boulevard, Marquette Street, & Prados Street. The work involved the preparation of a Route Topographic Survey for each project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$11,260 (fee); 2018)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **John Philip Thayer (continued)**

David Drive Corridor, Jefferson Parish, LA. Continuation of a previous Route Topographic Survey project, the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Part of Jefferson Parish PW No. 2013-026-RB. (\$11,285 (fee); 2018)

Metairie Road & Johnson Street – Route Topographic Survey, Jefferson Parish, LA. BFM's survey work involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$11,955 (fee); 2017)

Causeway Boulevard Overpass at Airline Highway (Phase 5), Metairie, Jefferson Parish, LA. BFM's surveying services involved the preparation of a Route Topographic Survey (FEMA) for the project; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. (\$41,135 (fee); 2017)

Veterans Memorial Boulevard, Clearview Parkway to Severn Avenue, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which encompassed approximately 8300 linear feet of Veterans Memorial Boulevard. This included median crossing (e.g., U-turns) and runs between Clearview Boulevard and Severn Avenue. (\$31,384 (fee); 2016)

Latigue Road Extension, Jefferson Parish, LA. BFM executed surveying services related to the Latigue Road Extension project; this included surveying for a right-of-way acquisition. This was phase I of the project for the proposed extension from Foundry Road to Live Oak Boulevard. (\$8,896 (fee); 2015)

Westwood Drive Rehabilitation, West Bank Expressway to Lapaclo Boulevard, Jefferson Parish, LA. BFM provided topographic surveying services from right-of-way to right-of-way, median, roadway, sidewalks, subsurface utilities, and cross-sections. (\$50,770 (fee); 2014)

MacArthur Drive Interchange Improvements – Phase 1B, US 90 B/ I-910, Jefferson Parish, LA. BFM provided baseline control and additional topographic survey for revised alignment of proposed interchange. (\$4,500 (fee); 2012)

Franklin Avenue (Gretna) Right-of-Way Boundary Survey, Gretna, Jefferson Parish, LA. BFM provided right-of-way boundary surveying services for Franklin Avenue between Stumpf Boulevard and the West Bank Expressway and the Franklin Street Utility Corridor. (\$8,300 (fee); 2011)

Airline Park Boulevard, Jefferson Parish, LA. BFM provided topographic surveying services for the Airline Park Boulevard roadway project, which extended from West Metairie Avenue north to beyond Camphor Street. (\$18,176 (fee); 2010)

Massachusetts Avenue Drainage Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project, which extended from W Napoleon Avenue to Veterans Memorial Boulevard. (\$28,515 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dawn Hoffman
Researcher/Archivist

Project Assignment:

Researcher/Archivist

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

15 years (joined BFM in 2009);
27 years total (1997)

BFM Corporation, LLC | 2009 to present
Fluor Corporation | 2007 to 2009
Geographic Computer Technologies, LLC | 2000 to 2007

Education: Degree(s)/Year/Specialization:

A.D., 1999, Computer-Aided Drafting, Southeast College of Technology
Certificate, 2003, Introduction to ArcGIS, Louisiana State University

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Dawn Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with researching in various parishes and cities.

Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, LA. BFM Corporation provided extensive surveying services for a topographic & hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope. (\$478,744 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications: **Dawn Hoffman (continued)**

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA. BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

DOTD H.971941.1, Severn Avenue Corridor, Metairie, Jefferson Parish, LA. BFM provided surveying services to locate potholes (SUE (subsurface utility engineering) potholing) in the corridor, which extended from Veterans Boulevard (north curb line) eastbound to West Esplanade Avenue (westbound south curb line). (\$13,500 (fee); 2017)

Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA. BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits. (\$12,660 (fee); 2019)

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA. BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. Drone Surveying services were also included. (\$68,090 (fee); 2020)

Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. (\$12,855 (fee); 2019)

Labarre Road Railroad Crossing, Metairie, Jefferson Parish, LA. BFM executed a topographic survey with SUE (subsurface utility engineering) for the project. (\$7,556 (fee); 2017)

DOTD H.008068, Peters Road Bridge and Extension Project (Phase 2), Jefferson Parish, LA. BFM's surveying services included the stakeout of parcel (No. 4-2) for the project. (\$1,250 (fee); 2017)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson

CADD Technician (AutoCADD Drafting Services)

Project Assignment:

CADD Technician (AutoCADD Drafting Services)

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

13 years (joined BFM in 2011);
33 years total (1991)

BFM Corporation, LLC | 2011 to present
Krebs LaSalle Lemieux / GEC | 2008 to 2011
Doug Connally and Associates Land Surveying (Dallas, TX) | 1995-2008
Electrician | 1991 to 1995
City of Plano TX (Part-Time Drafting Services) | 1991

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Anthony Watson has experience as a draftsman/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM Corporation provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. (\$18,350 (fee); 2020)

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM),

TEC Professional Services Questionnaire

Other experience and qualifications: **Anthony Watson (continued)**

and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

Lapalco Boulevard Survey Update, Jefferson Parish, LA. BFM prepared a Site Specific Update Survey for the Lapalco Boulevard project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data. (\$20,480 (fee); 2021)

Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, LA. BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Barataria Boulevard; the full scope plan & profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase. (\$46,854 (fee); 2018)

Medical Center Boulevard Lighting, Marrero, Jefferson Parish, LA. BFM executed a Route Topographic Survey for the proposed lighting project; the survey extended from apparent R/W (right-of-way) to apparent R/W along Medical Center Boulevard from Wichers Drive to the West Bank Expressway (approximately 2,200 linear feet), with spot elevations taken at 50 foot intervals. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$26,410 (fee); 2020)

Jefferson Highway to Charlotte Drive Route Topographic Survey, River Ridge, Jefferson Parish, LA. BFM executed a Route Topographic Survey of the project area (Jefferson Highway to Charlotte Drive), which further involved the Midway Drive Drainage Improvements (Phase 2) project in River Ridge. The full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. BFM established a baseline and temporary benchmarks along each route, as well as location of improvements and utilities. (\$19,135 (fee); 2020)

West Napoleon Avenue U-Turn Culvert Crossing Survey, Westgate Subdivision Drainage Improvements, Jefferson Parish, LA. BFM provided topographic surveying of a u-turn on West Napoleon Avenue, midway between Massachusetts Avenue and Mississippi Avenue. The project, which was part of the Westgate Subdivision Drainage Improvements project, also included 16 cross sections. Box culverts were also part of the project layout. (\$4,941 (fee); 2011)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Curtis "Jay" Barrios Survey Crew Chief	
Project Assignment:	
Survey Crew Chief	
Name of Firm with which associated:	
 BFM CORPORATION, LLC Professional Land & Hydrographic Surveying	
Years' experience with this Firm:	
34 years (joined BFM in 1990); 39 years total (1985)	<i>BFM Corporation, LLC 1990 to present</i> <i>Benson Mercedes Benz 1989 to 1990</i> <i>SECO Electric 1987</i> <i>Frishhertz Electric 1986 to 1987</i> <i>Plain Construction 1985 to 1986</i>
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
<i>American Traffic Safety Service Assn. – Traffic Flagger</i> <i>Basic OSHA Training Class Completion</i> <i>Transportation Work Identification Card (TWIC)</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Jay Barrios' surveying experience includes boundary, hydrographic, and topographic. He has been the Survey Crew Chief for thousands of projects and is one of the more experienced surveyors in the area. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&T).</p> <p>Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, LA. BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits. (\$12,660 (fee); 2019)</p> <p>Cousins Boulevard Extension Project, Harvey, Jefferson Parish, LA. BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Curtis "Jay" Barrios (continued)**

Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details. (\$49,300 (fee); 2018)

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

Mounes Street Subsurface Drainage (Phase IV, Dickory Avenue to Elmwood Park Boulevard), Jefferson Parish, LA. BFM provided topographic surveying services for Phase IV of the project, part of a multiphase program to improve drainage issues on Mounes Street. Phase IV of the project involved a topographic survey of the project, extending from Dickory Avenue to Elmwood Park Boulevard. Services provided by BFM included establishment of a baseline, setting temporary benchmarks (TBMs), elevation surveys, locating improvements and utilities as well as natural elements, and right-of-way surveying. (\$23,540 (fee); 2017)

Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. (\$12,855 (fee); 2019)

Causeway Boulevard Overpass (over Airline Drive), Jefferson Parish, LA. BFM's surveying services included Route Topographic and Boundary Survey for the project, which was located at the Causeway Boulevard Overpass of Airline Drive. This was designated as Phase 3 of the Rehabilitation Project, which included Ramps 4, 5, and the Traffic Circle. Drone Surveying services were also included. (\$68,090 (fee); 2020)

Bonnabel Boulevard Bike Path, Metairie, Jefferson Parish, LA. BFM provided surveying services for this bicycle path along Bonnabel Boulevard, extending from Veterans Memorial Boulevard to Lake Pontchartrain, in Metairie, LA. The scope included a Route Topographic Survey (plan only). (\$37,590 (fee); 2020)

DOTD H.971941.1, Severn Avenue Corridor, Metairie, Jefferson Parish, LA. BFM provided surveying services to locate potholes (SUE (subsurface utility engineering) potholing) in the corridor, which extended from Veterans Boulevard (north curb line) eastbound to West Esplanade Avenue (westbound south curb line). (\$13,500 (fee); 2017)

Manhattan Boulevard Right Turn Lanes, Jefferson Parish, LA. BFM prepared a topographic survey along the northbound lanes of Manhattan Boulevard from Gretna Boulevard to the South Frontage Road of the Westbank Expressway. (\$29,420 (fee); 2008)

TEC Professional Services Questionnaire

- L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this project. Please include 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:
West Esplanade Avenue U-Turn at Bonnabel Canal , Metairie, Jefferson Parish, Louisiana Jefferson Parish Department of Engineering 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123 Nolan Carreras , 504-736-6515 ncarreras@jeffparish.net	BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet.
Completion Date (Actual or estimated:)	Estimated Cost:
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">Entire Project:</div> <div style="width: 45%; text-align: center;">Work for which Firm was Responsible:</div> </div>
May 2024	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">N/A</div> <div style="width: 45%; text-align: center;">\$11,310 (fee)</div> </div>

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:
West Napoleon Avenue Extension (Highway Park Subdivision) , Jefferson Parish, Louisiana Linfield Hunter & Junius, Inc. 3608 18th Street Metairie LA 70002 Mark Annino , 504-833-5300	BFM provided Route Topographic Surveying services for the West Napoleon Avenue Extension Project, located at the Highway Park Subdivision in Jefferson Parish. The Phase 1 Limits of Survey were noted to be from the apparent right-of-way to apparent right-of-way along the Airport Access Road, from and extend approximately 225 feet North and South from the projected centerline of West Napoleon Avenue.
Completion Date (Actual or estimated:)	Estimated Cost:
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">Entire Project:</div> <div style="width: 45%; text-align: center;">Work for which Firm was Responsible:</div> </div>
January 2021	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%; text-align: center;">N/A</div> <div style="width: 45%; text-align: center;">\$10,095 (fee)</div> </div>

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lapalco Boulevard Survey Update, Jefferson Parish, Louisiana</p> <p>Hartman Engineering 527 W Esplanade Ave Ste 300 Kenner LA 70065</p> <p>Jared Monceaux, P.E., 504-467-5667 jmonceaux@harteng.com</p>	<p>BFM prepared a Site Specific Update Survey for the project, which built on previous BFM surveys for the location. The field survey recovered and verified the horizontal and vertical control (from previous BFM projects noted). Spot elevations were taken; existing improvements within the designated Limits of Survey were noted. The survey also located utilities, pipes (drainage, water, sewerage), and trees. For the update, BFM specifically located newly-installed steel power poles and steel transmission towers, as well as the structures fronting along Lapalco Boulevard. Project deliverables included comprehensive/updated physical and digital files combining all new & previous survey data.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2021	N/A	\$20,480 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Manhattan Boulevard Southbound Lanes Widening, Harvey, Jefferson Parish, Louisiana</p> <p>Professional Engineering Consultants Corporation (PEC) 3702 Bienville Avenue New Orleans LA 70119</p> <p>John Shires, 504-345-4842 jshires@pecla.com</p>	<p>BFM executed a Route Topographic Survey of the Manhattan Boulevard southbound lanes from the West Bank Expressway to Gretna Boulevard; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. Work consisted of multiple project elements over several years.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2021	N/A	\$77,733 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Cousins Boulevard Extension Project, Harvey, Jefferson Parish, Louisiana Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065 Frank T. Liang, P.E., 504-468-7515 fliang@deii.net	BFM Corporation provided surveying services for the Cousins Boulevard Extension Project in Harvey, LA. The first phase of the project involved the Route Topographic Survey; the full scope plan & profile included all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work. The survey included elements/areas of Lapalco Boulevard, Woodmere Boulevard, and Alex Kommen Boulevard. Cross Sections and rights-of-way were included. The second phase included boundary surveying and abstracting services, including research and working with the Jefferson Parish Legal Department for additional details.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2018	N/A	\$49,300 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, Louisiana GEC, Inc. 3445 N Causeway Blvd Ste 401 Metairie LA 70002-3779 Jerome Lohmann, 504-207-6926 jlohmann@gecinc.com	BFM Corporation provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2020	N/A	\$18,350 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396), Jefferson Parish, Louisiana</p> <p>Hardesty & Hanover 3850 N Causeway Blvd Ste 1850 Metairie LA 70002</p> <p>Dr. Babak Naghavi, P.E., 504-962-9212 bnaghavi@hardestyhanover.com</p>	<p>BFM Corporation provided extensive surveying services for a topographic & hydrographic survey and right-of-way (R/W) determination for the project. Project elements included setting GPS Static Control (5 permanent control points), traversing a proposed survey line, and land topography surveying. Additional phases include hydrographic topography/bathymetric surveying of the project area, the right-of-way determination, and subsurface utility engineering (SUE). Drone Surveying was utilized throughout the project. A Route Topographic Survey was also included as part of the scope.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2020	N/A	\$478,744 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard), Jefferson Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>Mark K. Roberts, P.E., 504-486-5901 mroberts@bkusa.com</p>	<p>BFM provided surveying services for the Lapalco Boulevard Turn Lane project (JPPW 2017-048-RBP), which involved a westbound left turn lane to southbound Lapalco Boulevard. BFM's scope included a Route Topographic Survey of Lapalco Boulevard at Barataria Boulevard; the full scope plan & profile included all services, utilities, properties, elevations, cross sections, and items necessary to perform any and all engineering and construction work. The project site was subject to road closures during the survey and preliminary construction/preparation phase.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2018	N/A	\$46,854 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Power Boulevard at Vintage Drive, Kenner, Jefferson Parish, Louisiana GEC, Inc. 8282 Greenwood Boulevard Baton Rouge LA 70806 Jerome Lohman, 225-612-3000	A survey update was provided by BFM, which was a continuation of a previous surveying project executed by the company. The scope of work included updating or addition of topographic survey at the intersection of Vintage Drive and Power Boulevard, and shooting two cross sections along the canal adjacent to a proposed bridge location. BFM further located the waterline, new monument along Power Boulevard, and located the monument of Lot 7 and adjacent property line along Janice Street and Vintage Boulevard.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2019	N/A	\$11,390 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Metairie Road Smart Growth: Causeway Boulevard and Metairie Road, Metairie, Jefferson Parish, Louisiana H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112 David Martin, P.E., 504-836-2020	BFM prepared a topographic survey of the project site for the Metairie Road Smart Growth Program. This included Metairie Road beneath the Causeway Boulevard Overpass. BFM established a baseline parallel to Metairie Road, set up two temporary benchmarks (TBMs), and located all existing improvements. Cross sections for the project area were taken on a 25 ft. grid within established limits.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2019	N/A	\$12,660 (fee)

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.	<div>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</div>	
2.		
3.		
4.		

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

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying**, provides services to public & private concerns throughout Louisiana and the Gulf South. For over 40 years, BFM has provided surveying services covering all facets of engineering, construction, and forensics; topographic, and hydrographic, as well as drone-based surveying and high-definition laser scanning.

BFM Corporation is a majority Woman-Owned Business Enterprise (WBE) as well as a Hudson Initiative certified Small & Emerging Business and Small Entrepreneurship in Louisiana.

Our capabilities include the following and more:

- Topographic Surveying
- Drone Surveying
- Photogrammic & LiDAR and 3D Laser Scanning
- Bathymetric / Hydrographic Surveys
- Property, Boundary, and Right-of-Way Surveys
- Maps, Cross-Sections, & Data Sets; Benchmarks

TEC Professional Services Questionnaire

N. continued.

- Construction-Related Surveying and Builder's Package Surveys
- American Land Title Association (ALTA) Surveys

BFM's project work routinely involves **extensive records and related research** as an element of successful completion, as well as coordination with the client, agency or department. BFM has the personnel to make sure this is done correctly and expeditiously.

Our **Survey Field Crews** are equipped with Leica Viva and Leica Captivate Data Collectors, as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Furthermore, each crew is outfitted with Leica TS series robotic total stations, simplifying and expediting projects. BFM can also use in-house drones and 3D scanners to further analyze sites and projects. BFM's crews are trained to use this equipment to its full potential to maximize accuracy and efficiency in the field.

BFM offers **Drone Surveying Services**, featuring a DJI Matrice 600 Pro drone outfitted with a Sony A7R3 42-megapixel camera, Pixhawk Triggering System, VMAP PPK system, and an A3 Pro Flight Controller. It can capture 50 acres of land allowing BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

BFM's **3D modeling capabilities** allow us to process & model for any design purpose. High-definition scanner data is processed using software from Leica and Autodesk. BFM is working on non-traditional survey deliverables, including virtual tours, live walkthroughs, detailed pipe rack modeling, and modeling for use with Autodesk Revit Architecture.

When needed, BFM provides **bathymetric surveying** to handle **any hydrographic surveying tasks**. For large rivers and bodies of water, we are equipped with Teledyne Odom Hydro Solutions' Hydro Trac Single Beam Echo Sounder. For smaller bodies of water, BFM uses an SL20 Remote Controlled Boat equipped with CEE Scope Dual Channel Echo Sounder. We use Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

Please refer to our projects included in Item L and in our personnel listings in Item K for specific type project examples and an overview of our surveying experience with this project type.

CRITERIA 2 | SIZE OF FIRM

As noted, BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. BFM has no issue with meeting the project deadlines set forth by our clients, both municipal and private. It is our continual goal to keep this reputation solid. Further, we establish base costs and fees for our services, and work with our clients to meet all project budgets.

TEC Professional Services Questionnaire

N. continued.

As noted in **item E** of this form, BFM currently has a **full-time staff of two dozen people**, including **two Registered Professional Land Surveyors, Survey Field Crew Personnel, and AutoCAD drafting personnel**, as well as **complete administrative and support staff**.

CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by a contract or project engineer. It is our goal to keep this reputation solid. We establish base costs and fees for our services, and work with our clients to meet all project budgets. Our workload and scheduling, and proximity to the project site, will allow for quick assignment of personnel to any directed project.

BFM Corporation's **Ralph P. Fontcuberta, Jr., PLS**, Executive Vice President, is a **Louisiana-Registered Professional Land Surveyor (since 1974)** and meets or exceeds any minimum requirements for any surveying project. He has been **providing surveying services in Louisiana for over 50 years** and brings an almost incalculable wealth of experience in the region to any project, especially in Southeast Louisiana.

Chad M. Poché, P.E., Executive Vice President, brings **more than 25 years of experience** to assist in completing projects on time and within budget. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana and has been the geotechnical engineer of record for thousands of projects.

Gary J. Lambert, Jr., PLS, Vice President is a **registered Professional Land Surveyor** and provides Project Management & Drafting Oversight and is the first point of contact for clients on technical matters. He meets with engineering, architectural, and government officials to discuss various project needs.

Our personnel included **multiple survey crews** and a **fully-staffed drafting department** to handle any project needs; they are thoroughly trained and extensively familiar with the region and needs of various types of surveying projects.

CRITERIA 4 | PAST PERFORMANCE ON PARISH CONTRACTS

BFM Corporation has provided **surveying services in Jefferson Parish since 1982**, both **directly to Parish agencies and as a consultant to firms serving the Parish**. The firm has executed many hundreds of projects in the Parish, including both direct Parish projects and State agency projects (CPRA, Louisiana DOTD, etc.), not to mention the scores of surveying projects for private individuals and industry.

As noted, Mr. Fontcuberta has **over half a century of professional land surveying experience**, including over 40 years with BFM. **He has provided professional surveying services for thousands of projects for and throughout Jefferson Parish.**

TEC Professional Services Questionnaire

N. continued.

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

BFM has called Jefferson Parish home office location since the firm's inception in 1982; our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner.

CRITERIA 6 | LEGAL STATEMENT

BFM Corporation is **not involved in litigation with Jefferson Parish** nor with any of our clients, as is noted in Item M of this form.

CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

For over 40 years, BFM Corporation has completed thousands of projects throughout Jefferson Parish and Southeast Louisiana, both to municipal and various private clients, similar to the project at hand, not to mention other drainage projects in a wide range of sizes, from small lot to Parish-wide endeavors. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).** Further, BFM has worked with virtually every municipality in the region. We enjoy a high repeat-business rate with all our clients. We offer the following specific references for contact:

Mark R. Drewes, P.E., Director, Jefferson Parish Public Works Department
(504-736-6783 | JPPW@jeffparish.net)

Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish Public Works Dept.
(504-736-6783 | JPPW@jeffparish.net)

José A. Gonzales, CAO, City of Kenner
(504-468-4090 | jgonzalez@kenner.la.us)

Angela DeSoto, P.E., Director of Engineering, Jefferson Parish
(504-736-6511 | ADeSoto@jeffparish.net)

Sid Trouard, P.E., Program Manager, Jefferson Parish Sewerage Capital Improvement Program
(504-736-6386 | STrouard@jeffparish.net)

Ben Lapine, Acting Director, Department of Drainage, Jefferson Parish
(504-736-6661 | JPSewerage@jeffparish.net)

Our professional work history is exemplary. We strive to provide on-time and technically thorough project deliverables at the budget set by our clients.

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

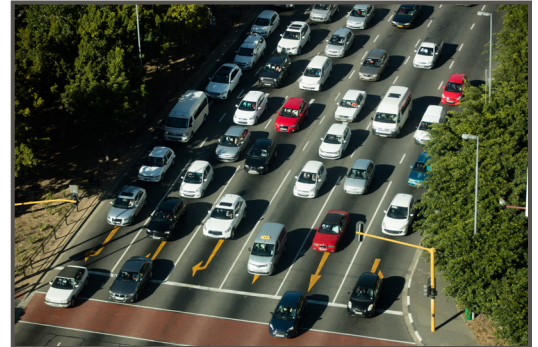
Signature: _____

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: June 20, 2024

Gulf South Engineering and Testing, Inc. TEC Questionnaire



BKI **BURK-KLEINPETER, INC.**
ENGINEERING · PLANNING · ENVIRONMENTAL

GULF SOUTH
ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Provision of Routine Engineering Services for

Streets Projects in Jefferson Parish

SOQ **24-021** | Resolution No. **144319**

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.

15 Veterans Memorial Boulevard | Kenner LA 70062

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 M. Poché, P.E., Executive Vice President

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

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 M. Poché, P.E., Executive Vice President

504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com

Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

E. Please provide the number of employees whose primary function corresponds with each category:

<u>7</u>	Administrative	<u> </u>	Estimators	<u> </u>	Specification Writers
<u> </u>	Architects (Licensed)	<u> </u>	Geologists	<u> </u>	Structural Engineers
<u> </u>	Chemical Engineers	<u>2</u>	Geotechnical Engineers	<u> </u>	Graduate Engineers
<u> </u>	Civil Engineers	<u> </u>	Interior Designers	<u>1</u>	Project Managers
<u>10</u>	Construction Inspectors	<u> </u>	Landscape Architects	<u> </u>	Clerical (<i>see Administrative</i>)
<u> </u>	Ecologists	<u> </u>	Land Surveyor (<i>Apprentice</i>)	<u> </u>	Grant/Funding Specialist
<u> </u>	Electrical Engineers	<u> </u>	Mechanical Engineers	<u> </u>	Sanitary Engineers
<u> </u>	Engineer Intern	<u> </u>	Environmental Engineers	<u>1</u>	CMT Supervisor
<u>1</u>	Professional Land Surveyors	<u> </u>		<u>1</u>	Construction Svcs Manager
				<u>4</u>	Laboratory Personnel
				<u>3</u>	Soil Boring Personnel
				<u>30</u>	TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO X

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.

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 all subcontractors must submit a fully completed copy of this questionnaire, 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.		
3.		

J. Please specify the total number of support personnel that may assist in the completion of the Project:

30 (all personnel will be available for assignment to the project)

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., résumé) 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:

Chad M. Poché, P.E.

Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Geotechnical Engineer / Principal In Charge

Name of Firm with which associated:



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

Years' experience with this Firm:

13 years (founded Gulf South in 2011);
31 years total (1993)

BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans
B.S., 1993, Civil Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

1998, Civil Engineer (Louisiana No. 27667)
2002, Civil Engineer (Mississippi No. 15405)

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E., is Executive Vice President, co-founder, and a Principal in Gulf South. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations and serving as an Expert Witness.

TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)

Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)


Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2021)

Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, LA. Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings. (\$17,500 (fee); 2014)

Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)

Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA. Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$8,000 (fee); 2015)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Bryson S. Beard, P.E., ACI Associate Geotechnical Engineer/Field Engineer	
Project Assignment:	
Associate Geotechnical Engineer/Field Engineer	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
2 years (joined Gulf South in 2022); 3 years total (2021)	<i>Gulf South Engineering and Testing, Inc. 2022 to present</i> <i>TetraTech, Inc. 2021 to 2022</i>
Education: Degree(s)/Year/Specialization:	
B.S., Geological Engineering (2021; University of Mississippi)	
Active Registration: Year first registered/discipline:	
Louisiana P.E. License Passed October 2023 Georgia, Engineering Intern (No. EIT029180, 2022)	
Other experience and qualifications relevant to the proposed Project:	
<p>Bryson S. Beard, P.E., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.</p> <p>Mr. Bryson recently passed his Louisiana Professional Engineering test and will be a noted P.E. for the State of Louisiana once he fulfills the apprenticeship requirements set forth by LAPELS.</p> <p>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Bryson S. Beard, P.E., ACI (continued)**

Barber Road Bank Stabilization, Paradis, St. Charles Parish, LA. Geotechnical engineering services for portions of the road that have failed or are failing into the ditch along Barber Road in Paradis, LA. Gulf South's scope includes drilling five borings (depth of 40 feet below ground surface), laboratory testing, engineering analyses (slope stability analyses, pavement design) and general construction procedures and recommendations. (\$12,000 (fee); 2022)

Geotechnical Exploration Proposal: Off System Road Bridge Replacement, Lock No. 2 Road, St. Tammany Parish, LA. Geotechnical engineering services for the project which consists of the construction of a replacement bridge across an existing canal off Lock No. 2 Road in St. Tammany Parish, LA. The new bridge will be pile supported and designed in accordance with Louisiana DOTD standards. The scope of services included subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon project requirements. Gulf South's scope includes field exploration (drilling of soil borings), laboratory testing, engineering analyses (pile load capacities, settlement estimates, flexible pavement design recommendations, sieve analyses of stream bed soils) and general construction procedures and recommendations. (\$12,500 (fee); 2022)


Brewster Road/LA 1077 Drainage Improvements, Madisonville, St. Tammany Parish, LA. Geotechnical engineering services for drainage improvements at the existing parish canal off LA-1077 and Galatas Road in Madisonville, St. Tammany Parish, LA. Gulf South's scope includes drilling five undisturbed soil borings to depths of 20 feet (2 locations) and 30 feet (3 locations) below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$20,000 (fee); 2022)

E. Minnesota Park Roundabout Study (Minnesota Park Rd. and S. Range Rd.), Hammond, Tangipahoa Parish, LA. Geotechnical engineering services for the construction of a new paved roundabout roadway intersection at Minnesota Park Road and S. Range Road in Hammond, LA. Gulf South's scope includes drilling five undisturbed soil borings each to a depth of 10 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations for Rigid or Flexible pavements. (\$8,500 (fee); 2023)

New Roundabout (Lowes Ave at LA Hwy 44), Gonzales, Ascension Parish, LA. Geotechnical engineering services for the construction of a paved roundabout at the intersection of Lowes Avenue and Louisiana Highway 44 in Ascension Parish, LA. Gulf South's scope includes drilling four undisturbed soil borings (3 borings through existing pavement and 1 boring within an unpaved area) to depths of 10 feet below the ground surface, pavement coring, traffic control, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$9,500 (fee); 2023)

Level Street Overlay, Town of Abita Springs, St. Tammany Parish, LA. Geotechnical engineering services for the mill and overlay of Level Street (overall length of approx. 10,000 ft.) in Abita Springs, LA. Gulf South's scope of services included drilling 10 undisturbed soil borings to depths of four feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$4,500 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Joseph H. “Trey” Binder, III, ACI Laboratory Manager	
Project Assignment:	
Laboratory Manager; Laboratory Technician	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years’ experience with this Firm:	
13 years (joined Gulf South in 2011); 13 years total (2011)	<i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 2006 to 2007</i>
Education: Degree(s)/Year/Specialization:	
A.D., General Studies (2006; Nunez Community College)	
Active Registration: Year first registered/discipline:	
HAZMAT Awareness HAZMAT Operations Training ACI Aggregate Base Testing Technician ACI Concrete Strength Testing Technician	
Other experience and qualifications relevant to the proposed Project:	
<p>Trey Binder has direct experience with field and laboratory testing services. Mr. Binder’s field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South’s scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)</p> <p>Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Joseph H. "Trey" Binder, III, ACI (continued)**

South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection. (\$10,000 (fee); 2019)

Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, LA. Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2021)

West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$10,000 (fee); 2019)

Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, LA. Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings. (\$17,500 (fee); 2014)


FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)

FEMA Submerged Roads Program (CMT): Phase 3, Metairie, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)

Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, LA. Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations. (\$8,000 (fee); 2015)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Eric A. Paille, C.E.T., ACI Construction Services Manager	
Project Assignment:	
Construction Services Manager	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
13 years (joined Gulf South in 2011); 35 years total (1989)	<i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 1988 to 2007</i>
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
<i>ACI-I Field Technician (since 1991; No. 929012)</i> <i>Certified Engineering Technician (since 1992)</i> <i>Nuclear Gauge Safety Training (since 1994; No. 061321)</i> <i>Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of our Gonzales office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.</p> <p>Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Eric A. Paille, C.E.T., ACI (continued)**

FEMA Submerged Roads Program (CMT): Phase 3, Metairie, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. Gulf South also provided asphalt batch plant inspection. (\$10,000 (fee); 2016)

FEMA Submerged Roads Program (CMT): Phase 4, Metairie, Jefferson Parish, LA. Project consisted of the construction of new paving and roadways for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Our scope of services included performing concrete and asphalt testing and inspection, and earthwork testing and inspection including soil sampling and field density tests. (\$7,500 (fee); 2015)

FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)

New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$54,081 (fee); 2020)

MLK Boulevard, Claiborne to St. Charles Avenue (DPW573), City of New Orleans, LA. Gulf South is providing construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$52,000 (fee); 2023)


West End Group B (RR194), New Orleans, LA. Gulf South is provided construction materials testing and inspection during construction of the Mid City Group B Project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$21,691 (fee); 2023)

Roadway and Drainage Infrastructure Improvements (Destrehan Drive and River Oaks Drive), Destrehan, St. Charles Parish, LA. Gulf South provided geotechnical engineering services for drainage improvements at two existing roadways sites within the City of Destrehan in St. Charles Parish, LA. Scope of services includes drilling six undisturbed soil borings (depths of 10 ft. below the ground surface), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$4,500 (fee); 2021)

Central City Group A (RR021), City of New Orleans, LA. Gulf South is providing construction materials testing and inspection during construction of the Central City Group A Project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$49,062 (fee); 2023)

St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. (\$7,220 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Ian Kerner Poché, ACI Assistant Laboratory Supervisor	
Project Assignment:	
Assistant Laboratory Supervisor	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
7 years (joined Gulf South in 2017); Gulf South Engineering and Testing, Inc. 2017 to present 7 years total (2017)	
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03) ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)	
Other experience and qualifications relevant to the proposed Project:	
<p>Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience, and is an ACI-certified Concrete Field Testing Technician.</p> <p>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, LA. Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations. (\$14,000 (fee); 2022)</p> <p>Kinler & Paul Fredrick Street Drainage Improvements, Luling, St. Charles Parish, LA. Geotechnical investigation for paved and/or reconstruction of Kinler and Paul Frederick Streets in Luling in St. Charles Parish, LA. Scope included drilling a total of 10 undisturbed soil borings for the project (5 borings within each roadway; 10 feet bps). Geotechnical laboratory testing was performed on selected samples collected during the exploration in accordance with appropriate ASTM standards; this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/ or particle size). Following the collection of the field and laboratory data, a geotechnical engineer performed the evaluations necessary to characterize the subsoil conditions of the site and develop the engineering recommendations and analyses. This included current pavement materials and thicknesses, flexible pavement design recommendations, and general construction procedures and recommendations. (\$7,500 (fee); 2022)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Ian Kerner Poché, ACI (continued)**

New Orleans Streets Program (RR 010), Broadmoor Group A, City of New Orleans LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, vibration monitoring, and earthwork testing. (\$54,081 (fee); 2020)

Geotechnical Exploration Proposal for the Lafreniere Park Healthtrack, Metairie, Jefferson Parish, LA. Gulf South was selected to provide a Geotechnical Exploration for the project site which consists of the reconstruction of the existing exercise walkway and the addition of approximately 1,000 feet of new walkway at Lafreniere Park in Metairie, LA. The existing walkway is approximately 2.5 miles long and will consist of the removal and reconstruction of the pavement and base using an asphalt paved section. The new section will consist of a concrete paved walkway. Gulf South's scope of work includes subsurface exploration, associated geotechnical laboratory testing, and engineering services based upon outlined project requirements. (\$12,000 (fee); 2022)

Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)

Geotechnical Exploration Report for New Fire Station 18, Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the construction of a new first station facility (Fire Station No. 18) (with associated parking and driveways) at 3222 Melville Dewey drive in Metairie, Louisiana. The study included drilling soil test borings and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on the field and laboratory test data to develop recommendations for the project. Scope included drilling three undisturbed soil borings to depths of 70 feet and 8 feet below the pavement surface. Soil testing consisted of natural moisture content, unit weight, Atterberg limits, and unconfined strength testing. The analyses and recommendations presented in the report provided recommendations for design and construction of the building and parking & roadway surfaces. (\$8,500 (fee); 2023)

New Building and Paved Areas, Jefferson Parish Transit Facility, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new two-story (7,300 sf) building located at 1118 David Drive in Kenner, LA. Field investigation included drilling four undisturbed soil borings (depths below the ground surface of 60 ft for the new building and 10 feet for the new paved area) and sampled on 5 foot centers. Laboratory testing included strength tests, classification tests, with other testing as appropriate. Geotechnical engineering evaluation characterized the subsoil conditions of the site and developed engineering recommendations and analyses (allowable soil bearing values, allowable pile load capacities, estimate of settlement, pavement design, and general construction procedures and recommendations. (\$8,900 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Brandon A. Paille, ACI Construction Materials Testing (CMT) Supervisor/Project Manager	
Project Assignment:	
Construction Materials Testing (CMT) Supervisor/Project Manager	
Name of Firm with which associated:	
<div style="display: flex; align-items: center;">  <div> ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants </div> </div>	
Years' experience with this Firm:	
5 years (2012-2016; 2023 to present); 14 years total (2010)	<i>Gulf South Engineering and Testing, Inc. 2023 to present</i> <i>Ascension Parish Sheriff's Office 2016 to 2023</i> <i>Gulf South Engineering and Testing, Inc. 2012 to 2016</i> <i>Ardaman and Associates, Inc. 2010 to 2012</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
APNGA Nuclear Gauge Safety ACI Field Technician Level 1 OSHA Safety Training – 8 hr.	
Other experience and qualifications relevant to the proposed Project:	
<p>Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.</p> <p>St. James Road Program 2023 (Nicole Street), Paulina, St. James Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes soil density tests and asphalt inspection. (\$7,220 (fee); 2023)</p> <p>FEMA Submerged Roads Program, District 5 – Project 1, Jefferson Parish, LA. Perform asphalt and roadway testing and inspection as requested. (\$15,000 (fee); 2014)</p> <p>FEMA Study - Flood Damaged Roads (Parish-Wide), Ascension Parish, LA. Gulf South performed over 30 pavement cores to measure in place base and surface material types and thickness, and collected samples for testing. The firm further performed laboratory analyses and engineering evaluation to determine the effects of flooding and submerged time on various base types. (\$20,000 (fee); 2017)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Brandon A. Paille, ACI (continued)**

Submerged Roads Program: District 5, Project 1, Jefferson Parish, LA. Gulf South performed asphalt testing and inspection as instructed by the client. (\$12,000 (fee); 2013)

New North Terminal – Roads, Louis Armstrong New Orleans International Airport, LA. Gulf South performed field and laboratory testing during construction of various roads at the New North Terminal at the Louis Armstrong New Orleans International Airport in Kenner, Louisiana. Gulf South provided QA oversight of the contractor for the owner for this \$1.2 billion project which consists of the construction of a new terminal facility including a new 800,000 sf building, vehicle ramps, parking, etc. QA inspection consists of pile monitoring, concrete inspection and testing, earthwork testing and inspection, and steel inspection. (\$250,000 (fee); 2019)

2015 Road Maintenance Project (Phase 2), Ascension Parish, LA. Gulf South performed inspection and field and laboratory testing during construction of road maintenance projects throughout Ascension Parish. These projects consisted of many roads and thousands of linear feet of new road sections. Scope of work included asphalt coring, thickness and density measurements, base course testing and inspection, and asphalt testing & inspection. (\$31,000 (fee); 2016)

2015 Road Maintenance Project (ENG-15-001), Ascension Parish, LA. Gulf South performed inspection and field and laboratory testing during construction of the road maintenance projects throughout Ascension Parish. These projects consisted of many roads and thousands of linear feet of new road sections. Scope of work included asphalt coring, thickness and density measurements, base course testing and inspection, and asphalt testing & inspection. (\$29,729 (fee); 2016)

2014 Road Maintenance Project, Ascension Parish, LA. Gulf South performed inspection and field and laboratory testing during construction of the road maintenance in Ascension Parish. (\$65,000 (fee); 2015)

CNO Touro - Roads, Sidewalk and Curb, New Orleans, LA. Perform construction material testing and inspection during construction of the CNO Touro Roads, Sidewalk and Curb in New Orleans. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$10,000 (fee); 2014)

FEMA Submerged Roads Program, Bayou St. John & Fairgrounds Neighborhoods, City of New Orleans, LA. Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thickness and material types). This investigation was for the Seventh Ward Neighborhoods in New Orleans, LA. Scope of work included drilling 8 pavement cores and 2 soil borings to a depth of 5 feet (2 in concrete, 4 in asphalt, 2 in combo. concrete/asphalt), performing laboratory testing, and providing engineering reports of our findings. (\$7,786 (fee); 2014)

FEMA Submerged Roads Program, Florida Avenue Neighborhood, City of New Orleans, LA. Geotechnical investigation for the City of New Orleans, FEMA Submerged Roads Program, to determine existing pavement conditions (thicknesses and material types). This investigation was for the Florida Avenue Neighborhood in New Orleans, LA. Scope of work included drilling 19 pavement cores and soil borings to a depth of 5 feet (13 in asphalt and 6 in concrete), performing laboratory testing, and providing engineering reports of our findings. (\$20,945 (fee); 2013)

TEC Professional Services Questionnaire

- L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this project. Please include 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:
Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.), City of Kenner, Jefferson Parish, Louisiana Hartman Engineering, Inc. 527 W Esplanade Ave Ste 300 Kenner LA 70065 B.K. Sneed, 504-466-5667 bksneed@harteng.com	Geotechnical investigation for paved roadway improvements for Roosevelt Boulevard between West Metairie Avenue and West Napoleon Avenue in Kenner, LA. Gulf South's scope of services includes drilling 14 borings (depths of 10 feet below pavement surface), laboratory testing, engineering analyses (including pavement design) and general construction procedures and recommendations.
Completion Date (Actual or estimated:)	Estimated Cost:
	Entire Project:
June 2022	N/A
	Work for which Firm was Responsible:
	\$14,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:
Metairie Lawn and Ridgelake Drive Roadway & Utility Project, Metairie, Jefferson Parish, Louisiana Ardurra Group, Inc. 3012 26th Street Metairie LA 70002 Joe Becker, P.E., 504-454-3866 jbecker@ardurra.com	Geotechnical engineering services for construction of a new roadway paving and below grade drainage pipeline in Metairie, LA. Gulf South's scope includes drilling five (5) auger borings to a depth of 20 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.
Completion Date (Actual or estimated:)	Estimated Cost:
	Entire Project:
January 2021	N/A
	Work for which Firm was Responsible:
	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Latigue Road Extension (Phase I; Live Oak Blvd. to Foundry Rd.), Jefferson Parish, Louisiana ECM Consultants, Inc. 4409 Utica Street Suite 200 Metairie LA 70006 Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com	Geotechnical investigation for a new paved extension road (approx. 1,000 lf) between Live Oak Boulevard and Foundry Road in Jefferson Parish, LA. Gulf South's scope includes drilling undisturbed soil borings (three at 10 ft.), lab testing, and engineering analyses including flexible pavement design recommendations and general construction procedures & recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2018	N/A	\$7,000 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Airline Park Boulevard Rehabilitation and Drainage Upgrade (West Napoleon to Camphor), Jefferson Parish, Louisiana PECC 3702 Bienville Avenue, Suite C New Orleans LA 70119 John Shires, P.E., 800-749-2810 jshires@pecla.com	Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor in Metairie, LA. Gulf South's scope of work included drilling four soil borings to depths of 15 and 50 feet, laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2015	N/A	\$8,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive), Jefferson Parish, Louisiana Rahman & Associates, Inc. 3645 Williams Blvd Ste 208 Kenner LA 70065 Tafoor Hameed, P.E., 504-469-0022 tafoor@bellsouth.net	Geotechnical investigation for the reconstruction of David Drive and the construction of drainage improvements (approx. 3000 ft.) along David Drive from W. Esplanade Avenue to Bruin Drive in Metairie. Gulf South's scope includes drilling four soil borings each to a depth of 20 feet, lab testing, and geotechnical engineering analysis including allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, pavement design recommendations, and general construction recommendations.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2015	N/A	\$7,500 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.), Jefferson Parish, Louisiana Jefferson Parish Department of Engineering 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123 Ryan Breaux, P.E., 504-736-6514 rabreaux@jeffparish.net	Geotechnical investigation for new street lighting along the eastbound lane of Airline Highway from Waldo St. to Transcontinental Dr. in Jefferson Parish, LA. Scope of work included drilling 7 soil borings each to a depth of 50 feet, laboratory testing, and geotechnical engineering analysis consisting of allowable pile load capacities, estimates of settlement, slope stability analyses, and general construction recommendations. Pavement coring and a police escort were required for the borings.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2015	N/A	\$17,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, Louisiana</p> <p>Hatch Mott MacDonald 650 Poydras Street, Suite 2025 New Orleans LA 70130</p> <p>Many Heymann, P.E., 504-799-0437 many.heyman@hatchmott.com</p>	<p>Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2015	N/A	\$8,000 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Green Acres Road – New Street Lighting, Metairie, Jefferson Parish, Louisiana</p> <p>Pivotal Engineering, LLC 1515 Poydras St Ste 1875 New Orleans LA 70112</p> <p>Yoseph Shifare, P.E., PTOE, PMP 504-799-3653 yshifare@pivotaleng.com</p>	<p>Geotechnical investigation for construction of a new street lighting along Green Acres Road (Airline Highway to West Metairie Boulevard) in Metairie, LA. Gulf South's scope includes drilling two undisturbed soil borings (depths of 24 ft), lab testing, and engineering analyses including subsoil properties, and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
February 2019	N/A	\$4,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue), Jefferson Parish, Louisiana Perrin & Carter, Inc. 3501 Ridgelake Drive Metairie LA 70002 Georgia Dufresne, 504-831-7958 gdufresne@perrincarter.com	Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, pile inspection, and concrete testing and inspection.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2019	N/A	\$10,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
West Esplanade Avenue Restoration (Tartan Drive to Haring Road), Metairie, Jefferson Parish, Louisiana APTIM Environmental & Infrastructure, Inc. 2424 Edenborn Avenue, Suite 450 Metairie LA 70001 Gene Gillen, 504-832-4878 gene.gillen@aptim.com	Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection.	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2019	N/A	\$10,000 (fee)

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.	<div style="border: 1px solid black; padding: 10px; margin: 5px;"> <p><i>Gulf South Engineering and Testing, Inc. is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p> </div>	
2.		
3.		
4.		

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



ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

Gulf South Engineering and Testing, Inc. (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and nearly three dozen employees.

Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

Gulf South is a woman-owned, Hudson Initiative-certified small entrepreneurship in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.

Geotechnical Engineering Services

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., a founding principal and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi, has specific and extensive training & experience in geotechnical engineering. He has three decades of experience in planning, administering, and conducting geotechnical investigations.

TEC Professional Services Questionnaire

N. continued.

The firm has specific engineering experience and training in **Geotechnical Engineering, Foundation Design, and Geology & Geohydrology**; our staff has extensive experience in all aspects of soil mechanics and geotechnical engineering with specific knowledge in the following areas:

- Shallow and deep foundations (piles, shafts, augercast, screw/anchor piles)
- Deep excavations, cofferdams, retaining walls
- Levees and soft ground construction; slope stability & seepage
- Earthwork; settlement analyses
- Shoreline protection
- Scour analyses
- LRFD Design
- Mechanically Stabilized Earth (MSE) Walls
- Development of load test programs
- Geotechnical instrumentation and construction monitoring
- Canals and pump station foundations
- Pipe bedding and backfill
- Roadways, bridges, pavements

Field Investigation Services

Gulf South owns truck mounted (ARDCO C-1000) and track mounted (ARDCO SD 350) drilling rigs with associated and appurtenant support equipment (water trucks and buggy). Our equipment and crews are capable of drilling soil borings to depths of up to 300 feet and installing monitor wells, piezometers, and inclinometers. We can also perform CPT soundings, geoprobe borings, and field testing at any site. Our staff has extensive experience in planning, oversight, and direction of field investigations.

Laboratory Testing Services

Gulf South's laboratory is equipped to serve the specific needs of our clients and managed by trained and experienced personnel. All testing is performed in accordance with ASTM, AASHTO, and/or other approved procedures. Gulf South routinely performs soil and concrete strength testing (unconfined and triaxial), soil classification tests (Atterberg limits, moisture content, density, particle size), soil and aggregate sieves, organic content, pH, soil resistivity, and moisture/density relationships (Proctor tests). Gulf South's laboratories are managed by full time, experienced, managers and staff. Further, Gulf South's Kenner laboratory is AASHTO and CCRL certified and USACE validated.

Construction Materials Testing & Inspection

Gulf South provides a full range of construction materials testing & inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided includes:

- Fill and base compaction and density testing
- Vibration monitoring
- Pre- and post-construction inspection

TEC Professional Services Questionnaire

N. continued.

- Concrete testing and inspection
- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring
- Prepare daily field reports and/or field books
- Maintain records per the client's directive

We have provided construction testing & oversight for projects as small as a house pad to as large as the **\$1.2 billion Louis Armstrong New Orleans International Airport North Terminal** project.

Please refer to our projects included in Item L and in our personnel listings in Item K for specific type project examples and an overview of our professional experience with this project type.

CRITERIA 2 | SIZE OF FIRM

At over 30 employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South can readily meet the time and budget constraints for projects assigned to this contract. Our current workload is such that we can expeditiously complete projects for this contract.

CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

Activity is dependent on the scope of work as well as site access and conditions, however; typically soil borings can be started within one week of receiving notice to proceed with a final product delivered within 3 to 4 weeks of completing the borings. Gulf South's workload & scheduling, coupled with our headquarters being nearby, will allow for assignment of key personnel shortly after any project is assigned.

CRITERIA 4 | PAST PERFORMANCE ON PARISH CONTRACTS

Gulf South has worked both directly and indirectly for various Jefferson Parish Departments (Public Works, Engineering Department, Drainage Department, Jefferson Parish School Board, etc.) throughout our history. Beyond the projects included within this form, additional project information (including listings, background, & client contacts) are available upon request. We have also completed similar services for Public and Private concerns throughout the region.

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

Gulf South Engineering and Testing has been headquartered in Jefferson Parish since beginning operations in 2011; our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner. We also maintain an office in Gonzales, LA.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 6 | LEGAL STATEMENT

As stated in Item M, Gulf South has had no litigation, past or present, with Jefferson Parish, nor any of our clients.

CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. Founding principal and Executive Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

As evidenced in the provided projects and personnel résumés, key personnel experience includes the completion of thousands of projects in the region throughout their careers for a broad range of clients, including both the government and private sectors. We can submit data in formats acceptable and customized to our clients' needs.

Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Ben Lepine, Acting Director, Drainage Department, Jefferson Parish
(504-736-6751 | JPDrainage@jeffparish.net)

Angela DeSoto, P.E., Director, Engineering Department, Jefferson Parish
(504-736-6511 | ADeSoto@jeffparish.net)

Mark R. Drewes, P.E., Director, Public Works Department, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Michael B. Cooper, Parish President, St. Tammany Parish
(985-898-2362 | president@stpgov.org)

Joey Tureau, Director of Transportation, Ascension Parish
(225-450-1013 | jtureau@apgov.us)

José A. Gonzales, CAO, City of Kenner
(504-468-4090 | jgonzalez@kenner.la.us)

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

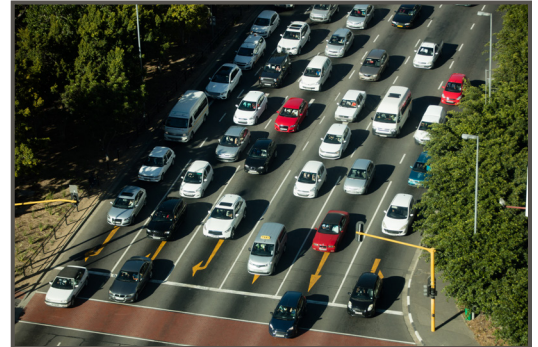
Signature: _____

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: June 20, 2024

Creative Engineering Group, LLC
TEC Questionnaire



BKI **BURK-KLEINPETER, INC.**
ENGINEERING · PLANNING · ENVIRONMENTAL

CEG
CREATIVE ENGINEERING GROUP

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

SOQ No. 24-021 Routine Engineering Services for Streets Projects Resolution No. 144319

B. Firm Name & Address:



201 Highland Park Plaza
Covington, LA 70433

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:

Raymond H. Nolan, II, PE - Owner/Senior Engineer, (985) 249-5706, rnolan@ceg-itl.com

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.

Raymond H. Nolan, II, PE - Owner/Senior Engineer, (985) 249-5706, rnolan@ceg-itl.com

E. Please provide the number of employees whose primary function corresponds with each category:

<u>1</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u> </u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical
<u> </u> Ecologists	<u> </u> Land Surveyor	<u> </u> Grant/Funding Specialist
<u>1</u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u>1</u> Engineer Intern	<u> </u> Environmental Engineers	<u> </u> Planners
<u> </u> Professional Land Surveyors	<u>2</u> CADD	<u> </u> Designers
		<u>5</u> TOTAL

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO x 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 the JOINT-VENTURE previously worked together? Please Check
YES NO**

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, 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		

J. Please specify the total number of support personnel that may assist in the completion of this Project:

5

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:

Raymond H. Nolan, II, PE
Owner / Senior Engineer

Project Assignment

Electrical Engineering Support

Name of Firm with which associated



Years' experience with this Firm:

18

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1991 / Electrical Engineering
Master of Science / 1994 / Electrical Engineering

Active registration: Year first registered/discipline

1997 / PE Electrical, State of LA / No. 27697

Other experience and qualifications relevant to the proposed project:

Mr. Nolan is the Owner and Senior Engineer at CEG, LLC. He has over 30 years experience in electrical engineering, including power distribution, emergency generators, lighting and controls, fire alarm systems, telephone and data infrastructure, intercom and security systems.

Mr. Nolan's applicable projects are listed on the following page.

Mr. Nolan has worked on the following projects:

25th Street Canal Drainage Improvements Project (Resiliency District) – *Gretna, LA* – Provided electrical engineering services on the design for a new pump station with 350 CFS capacity to provide the 25th Street Subdivision residential area drainage in Jefferson Parish.

Cheniere Water Tank Storage – *Grand Isle, LA* - Provided electrical, lighting, and controls design for a new potable water pump station. Pump station design included powering pumps, powering mechanical equipment, sizing 50 Kw backup generator, and coordinating valve and pump controls, SCADA interface.

Midway and Soniat Lift Station Generator - *River Ridge, LA* - Provided electrical engineering services to replace existing generator and motor control center at sewer/drainage pump station. New generator was sized to power (1) sewer pump and (1) drainage pump. Designed new electrical service from utility and coordinated scope with sewer pump station contractor.

New Bayou Gauche Canal Bar Screen - *Des Allemands, LA / St. Charles Parish* - Provided electrical design services included new electrical service and generator for warehouse building and screen cleaners. Equipment was sized for future pump station rehabilitation.

Jefferson Parish District Attorney's Second Floor Buildout – *Jefferson Parish, LA* - Provided electrical engineering services. Created designs for the power and lighting systems as well as special systems required for government and law enforcement offices.

Orleans Levee District Police Station – *Orleans Parish, LA* – Provided electrical engineering services. Created designs for the power and lighting systems, special systems required for government and law enforcement offices as well as the electrical engineer overseeing the installation of the emergency generator.

Orleans Levee District – 6920 Franklin Ave. – *Orleans Parish, LA* - Electrical engineer for power and lighting systems as well as special systems required for government offices. Also oversaw the replacement of the existing 1750 kW generator with (2) 800 kW generators in parallel.

Recreation District 1 - *Kentwood, LA* – Electrical engineer for the design of electrical service as well as the ball field and parking lot lighting.

Hurricane Katrina Damage Repairs, McDermott Hanger - *New Orleans, LA* - Provided damage assessment services, cost estimates for the scope of work on the electrical and specialty systems to identify damages as well as assess the necessary repairs, and coordinated completion of the FEMA Project Worksheet for damage verification. CEG also provided the construction documents and construction administration services for the repair work.

Repairs to C.F. Rowley School - *Chalmette, LA* - Following Hurricane Katrina, provided damage assessment services, cost estimates for the scope of work on the electrical and specialty systems to identify damages as well as assess the necessary repairs, and coordinated completion of the FEMA Project Worksheet for damage verification. CEG also provided the construction documents and construction administration services for the repair work.

Nunez Community College Building B Hurricane Katrina Repairs - *Chalmette, LA* - Completed research and additional evaluation of the water damaged electrical equipment. Presented the NEMA documentation demonstrating the need for the additional repair items on the Project Worksheet and was successful in getting the items covered for repair. Reviewed scope and costs to ensure they were aligned with FEMA. CEG then completed the additional construction documents and provided construction administration services.

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:	
Hurricane Katrina Damage Repairs - McDermott Hanger <i>New Orleans, LA</i> RCL Architecture 900 W. Causeway Approach Mandeville, LA 70471, (985) 727-4440	Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. CEG provided cost estimates to the Architect for repair scope of work. Once scope and costs were aligned with FEMA, CEG completed electrical construction documents for the repair work. Construction Administration included regular site visits to monitor the electrical installation.	
Completion Date (Actual or estimated): 03/2009 (Est.)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$2,500,000 (Est.)	\$200,000 (Est.)
PROJECT NO. 2		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Repairs to C.F. Rowley School St. Bernard Parish School Board <i>Chalmette, LA</i> Lachin Architects 5190 Canal Blvd. Ste. 201 New Orleans, LA 70124 (504) 835-8013	Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. CEG provided cost estimates to the Architect for repair scope of work. Due to the flood waters all electrical below the ceiling on the first floor was replaced with new. Light fixtures on the first floor were also replaced. First floor circuitry at the ceiling and second floor electrical remained for re-use. FEMA allowed second floor light fixtures to be re-lamped. Life safety systems (ie fire alarm) were replaced and re-located to the second floor. Construction Administration included regular site visits to monitor the electrical installation.	
Completion Date (Actual or estimated): 10/2007 (Est.)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$6,500,000 (Est.)	\$1,300,000 (Est.)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Nunez Community College Building B Hurricane Katrina Repairs <i>Chalmette, LA</i> Lachin Architects 5190 Canal Blvd. Ste. 201 New Orleans, LA 70124 (504) 835-8013	Creative Engineering Group, LLC performed electrical and special systems damage assessment of site following Hurricane Katrina. Coordinated with FEMA Project Worksheet to verify all damages were included for repairs. Initially, FEMA had allowed a complete replacement of the electrical and special systems due to the heavy damage. At the Design Development stage of the project a new FEMA team came in and provided a revised Project Worksheet which only allowed for repairs to flood damaged items. This did not include all electrical equipment and feeders which had exposure to flood waters. CEG researched and presented NEMA documentation for evaluating water damaged electrical equipment, and was successful in getting additional items covered. Once scope and costs were aligned with FEMA, CEG completed electrical construction documents for the repair work. Construction Administration included regular site visits to monitor the electrical installation.	
Completion Date (Actual or estimated): 09/2008	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$8,900,000	\$323,000
PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

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		
4. N/A		

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

CEG Creative Engineering Group, LLC is a professional engineering firm based in St. Tammany Parish. Our firm is licensed in the State of Louisiana and Mississippi, and offers a full range of electrical engineering services, including conceptual planning, preparation of construction documents and construction administration, with a highly skilled professional team. Our staff currently consist of five people dedicated to electrical engineering, including a licensed electrical engineer with over 30 years of experience, an electrical engineer intern with over 18 years of experience, two draftsmen and administration. We have extensive experience serving architects, contractors on design build projects, and building owners. Our purpose is to provide the highest quality service and design solutions for our clients.

Creative Engineering Group has experience in evaluating older electrical systems and has performed electrical evaluation assessment reports for clients who are seeking to upgrade electrical systems due to age or code changes. In addition, Creative Engineering Group has performed many damage assessments over the years to help clients evaluate damages to electrical systems due to hurricanes, fire, and flooding.

Our experience give us the ability to trouble shoot electrical issues and spot potential problems early in the design process. We utilize the latest computer aided drafting software, Autocad and Revit. We are dedicated to providing cost effective solutions with an emphasis on energy efficiency and creativity. Our dedication, from the early stages of the project until completion, has resulted in many satisfied clients who have become repeat customers.

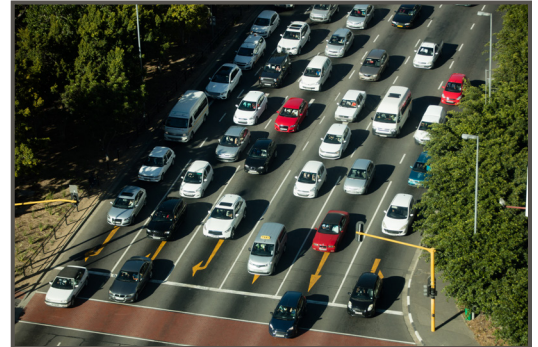
(See Additional Pages)

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

Signature:  Print Name: Raymond H. Nolan, II, PE

Title: Owner/Senior Engineer Date: July 16, 2024

Additional Information



BKI **BURK-KLEINPETER, INC.**
ENGINEERING · PLANNING · ENVIRONMENTAL

BKM
CORPORATION, LLC
Professional Land & Hydrographic Surveying

GULF SOUTH
ENGINEERING AND TESTING, INC.
Geotechnical & Materials Consultants

July 16
2024

CEG
CREATIVE ENGINEERING GROUP


TEC Professional Services Questionnaire


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Michael David Chopin

License/Certificate Type - Number Expiration Date
PE.0026797 **09/30/2024**


Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Henry Maurice Picard III

License/Certificate Type - Number Expiration Date
PE.0022289 **03/31/2025**


Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Henry Maurice Picard III

License/Certificate Type - Number Expiration Date
PLS.0004736 **03/31/2025**

Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. David Edward Boyd

License/Certificate Type - Number Expiration Date
PE.0035510 **09/30/2024**

Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Rene' Adrian Chopin III

License/Certificate Type - Number Expiration Date
PE.0025174 **09/30/2025**

Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Timothy James Koenig

License/Certificate Type - Number Expiration Date
PE.0035079 **03/31/2026**


Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Farhad H. Mogharrebi

License/Certificate Type - Number Expiration Date
PE.0027984 **09/30/2024**


Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Rene' Adrian Chopin IV

License/Certificate Type - Number Expiration Date
PE.0042349 **09/30/2024**


Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mr. Andrew Robert Jensen

License/Certificate Type - Number Expiration Date
PE.0043382 **09/30/2025**

Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Mrs. Rebecca Moore Jensen Chopin

License/Certificate Type - Number Expiration Date
PE.0041841 **03/31/2026**

Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Ms. Renee Poole

License/Certificate Type - Number Expiration Date
PE.0047869 **09/30/2025**

Status: **Active**


**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
 9643 Brookline Avenue, Suite 121
 Baton Rouge, LA 70809
 Phone (225) 925-6291
 www.lapels.com

Ms. Bailee Leah Hurm

License/Certificate Type - Number Expiration Date
EI.0034435 **09/30/2024**

Status: **Active**

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

Name:

Public Address:

Burk-Kleinpeter, Inc.

2400 Veterans

Memorial Boulevard

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000124	Active	09/12/1984	09/30/2025	Mr. Rene' Adrian Chopin III # PE.0025174

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

Name:

Public Address:

Burk-Kleinpeter, Inc.

2400 Veterans

Memorial Boulevard

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000024	Active	09/12/1984	09/30/2025	Mr. Henry Maurice Picard III # PLS.0004736

Self-Certification demonstrating the status of Burk-Kleinpeter, Inc. as a Small Business

Are you a small business eligible for government contracting?

541330 Engineering Services	Small Business Size Standards \$16,500,000 annual revenue	 YES
Exception #1		
Military and Aerospace Equipment and Military Weapons	Small Business Size Standards \$41,500,000 annual revenue	 YES
Exception #2		
Contracts and Subcontracts for Engineering Services Awarded Under the National Energy Policy Act of 1992	Small Business Size Standards \$41,500,000 annual revenue	 YES
Exception #3		
Marine Engineering and Naval Architecture	Small Business Size Standards \$41,500,000 annual revenue	 YES


Results derived from the "Measure My Business" tool at www.sba.gov/size demonstrating that Burk-Kleinpeter, Inc. is a "small" business according to the SBA standard for our industry (NAISC codes).

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

Name:	Public Address:
BFM Corporation, LLC	15 Veterans Memorial Boulevard Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000008	Active	09/11/1984	09/30/2025	Mr. Ralph P. Fontcuberta Jr. # PLS.0004329



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number Expiration Date
PLS.0004329 **09/30/2024**

Status: **Active**




LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Chad Mitchell Poche

License/Certificate Type - Number Expiration Date
PE.0027667 **09/30/2024**

Status: **Active**




LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Gary James Lambert Jr.

License/Certificate Type - Number Expiration Date
PLS.0005259 **03/31/2026**

Status: **Active**



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 Mead Farber

License/Certificate Type - Number Expiration Date
EI.0033903 **03/31/2025**

Status: **Active**



Division of Small and Emerging Business Development
SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

This certification is valid beginning 7/19/2019 and supersedes any registration or listing previously issued. At any time there is a change in ownership or control of the firm, notification must be made immediately to the Division of Small and Emerging Business Development.

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

John W. Matthews, Jr.,
Executive Director, Entrepreneurial Services



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

This certification is valid from 9/13/2023 to 9/13/2024 .

Certification No. 9551

Stephanie Hartman,
Director, Entrepreneurial Services



City of Kenner

1926 18th Street
Kenner, LA 70062

BFM CORPORATION
15 VETERANS BLVD
KENNER, LA 70062

**** NOTICE ****

This license becomes null & void if ownership, business name or address is changed. Licensee must apply within 10 days of such change for transfer. Fee will apply. All applicable building & zoning regulations pertaining to business location must be followed.

BFM CORPORATION, LLC
15 VETERANS MEMORIAL BLVD
KENNER, LA 70062

2024

Business License ID
407

Type
LIMITED LIABILITY COMPANY
SURVEYING SERVICES

Business License

Number
1595

Issued
01/09/2024

Valid thru
12/31/2024

***** POST THIS LICENSE IN A CONSPICUOUS PLACE *****

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

Name:

Gulf South Engineering and Testing,
Inc.

Public Address:

Mr. Chad Poche, PE15 Veterans Memorial Boulevard
Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2025	Mr. Chad Mitchell Poche# PE.0027667



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Chad Mitchell Poche

License/Certificate Type - Number

PE.0027667

Expiration Date

09/30/2024

Status: **Active**



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number

PLS.0004329

Expiration Date

09/30/2024

Status: **Active**



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

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

This certification is valid from 12/27/2023 to 12/27/2024 .

Certification No. 11011

Stephanie Hartman,
Director, Entrepreneurial Services



**USACE CERTIFICATE
OF
LABORATORY VALIDATION**



Gulf South Engineering and Testing

15 Veterans Memorial Blvd
Kenner, LA, United States
Trey Binder
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:

06 MAY 2024 AT 14:40 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 05/03/2026

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

AGGREGATE

Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
Aggregate - C 566 - Total Moisture Content
Aggregate - C 702 - Reducing Samples to Testing Size

CONCRETE

Concrete - C 31 - Making and Curing Test Specimens in the Field
Concrete - C 39 - Compressive Strength of Cylindrical Specimens
Concrete - C 138 - Unit Weight and Air Content by Gravimetric
Concrete - C 143 - Slump
Concrete - C 172 - Sampling
Concrete - C 231 - Air Content by Pressure ***required if C173 not performed***
Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
Concrete - C 1064 - Temperature of Concrete
Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
Concrete - C 1231 - Unbonded Caps

SOILS

Soils - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)
Soils - D 698 - Compaction Characteristics by Standard Effort
Soils - D 1140 - Material Finer than 75 μ m (No. 200) Sieve
Soils - D 1556 - Density & Unit Weight by Sand Cone
Soils - D 1557 - Compaction Characteristics by Modified Effort
Soils - D 2166 - Unconfined Compressive Strength
Soils - D 2216 - Water Content
Soils - D 2487 - Classification of Soils
Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)
Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven
Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method



CERTIFICATE OF ACCREDITATION



Gulf South Engineering and Testing, Inc.

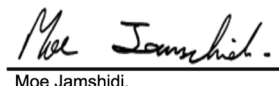
in

Kenner, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).


Jim Tymon,
AASHTO Executive Director


Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 04/11/2024 at 12:54 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Gulf South Engineering and Testing, Inc.

8/15/2023

DATE



SIGNATURE



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

Name:

Creative Engineering Group, LLC

Public Address:

201 Highland Park Plaza

License/Certificate Information w/ Supervision


License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003373	Active	12/06/2005	03/31/2026	Mr. Raymond Henry Nolan II # PE.0027697



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 9/15/2022 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Raymond Henry Nolan II
201 Highland Park Plaza
Covington, Louisiana 70433

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Raymond Henry Nolan II		
License/Certificate Type - Number	Expiration Date	
PE.0027697	09/30/2024	
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>		

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 LPELS 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 LPELS believes the information to be reliable, human or mechanical error remains a possibility, as does delay in the posting or updating of information. Therefore, LPELS makes no guarantee as to the accuracy, completeness, timeliness, currency, or correct sequencing of the information. Neither LPELS, 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 LPELS.