



## Hickory Avenue (LA 3154) Rehabilitation Professional Engineering Services



Hickory Avenue (LA 3154)  
Rehabilitation (River Road to  
10th Street) Professional  
Engineering Services  
SOQ 24-030  
Resolution No. 144734

### Statement of Qualifications

#### **Infinity Engineering Consultants, LLC.**

4001 Division Street  
Metairie, LA 70002

P: 504.304.0548

F: 504.355.0265

Raoul V. Chauvin, III, P.E.  
Principal-in-Charge  
rchauvin@infinityec.com

September 5, 2024



# INFINITE CAPABILITIES BOUNDLESS POTENTIAL



## Contact Persons



**Raoul V. Chauvin, III, P.E.**  
Principal Partner  
rchauvin@infinityec.com



**William J. Thomassie, P.E.**  
Principal Partner  
wthomassie@infinityec.com



**Nickie Monica**  
Director of Business Development  
nmonica@infinityec.com

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

Re: Hickory Avenue (LA 3154) Rehabilitation (River Road to 10th Street)  
Professional Engineering Services Related to the Design and Construction  
Resolution No. 144734 | SOQ 24-030

September 5, 2024

Infinity Engineering Consultants, LLC is pleased to present our firm’s professional engineering services qualifications to Jefferson Parish for the engineering design and construction administration of the rehabilitation of Hickory Avenue from River Road to 10th Street. Upon reading the published project scope and qualifications requirements, we believe Infinity’s team of professionals meets and exceeds the necessary experience to usher the proposed roadway rehabilitation from initial designs through final project commissioning.

## Understanding of Scope

Infinity understands the scope of work entails providing professional engineering design and construction administration services for the roadway rehabilitation of Hickory Avenue. This 1.4 mile roadway enhancement project includes improvements to pedestrian access including ADA compliance, as well as subsurface drainage and utilities upgrades. Additional professional services that could be needed include, topographic surveying, geotechnical engineering, and traffic engineering.

## Infinity Qualifications

Infinity Engineering Consultants, LLC. is a Metairie, LA based, multi-discipline engineering firm with all of the state licensing requirements to provide professional engineering design services within the State of Louisiana. As a multi-disciplinary firm, Infinity’s engineers are able to produce designs in open collaboration from project inception through construction completion. Infinity is ready to provide the following services to Jefferson Parish specific to the Hickory Avenue Roadway rehabilitation:

- Project Management
- Subsurface Drainage Design
- Roadway Paving Design
- Resident Inspection
- Utility Assessment & Relocation
- Street Lighting Electrical Engineering Services
- Construction Administration

Additionally, Infinity has teamed with the following professional services firms to create a robust pool of professional consulting services to cover every design aspect of the Independence Park Pump Station:

- **Gulf South Engineering & Testing** (Geotechnical Engineering)
- **BFM Corporation** (Topographic Surveying)
- **Urban Systems** (Traffic Engineering)

For over 20 years, Infinity has been integrally involved with the assessment, engineering design, and construction of roadways and municipality utilities across the Gulf Coast. With projects ranging from drainage inlets replacement to complete roadway replacements, Infinity has the experience and institutional knowledge to design each part of the Hickory Avenue roadway rehabilitation project. As a Metairie, LA based firm, Infinity holds a vested interest in our community improvements. With our office practically within walking distance of the project site, Infinity will be able to quickly respond to the needs of Jefferson Parish.

Infinity is proud of our reputation as being honest, reliable, and capable of providing engineering designs for utilities improvements. As such, we have provided within our qualifications packet samples of reference letters that attest to our reputation. Pertinent resumes and project examples for the Infinity team are contained within our submittal. Additionally, it is important to note, due to our work in the petrochemical industry, we carry professional and general liability insurance that often exceeds that required by public agencies.

### **Firm State Licensing**

We steadfastly confirm the following:

- Infinity Engineering Consultants, LLC. is owned and led by qualified, professional engineers:
  - Principal partners Raoul Chauvin, P.E. and William Thomassie, P.E. hold over 32 years of engineering experience, as well as over 20 years of responsible charge in their respective specialties of mechanical and civil engineering
  - Both principal partners of Infinity are registered professionals in the State of Louisiana
- Infinity Engineering Consultants, LLC. is within good standing and does not have a history of substandard work
- The firm holds all licenses necessary to legally provide the related professional services in the State of Louisiana
- Infinity Engineering has not engaged in any unethical practices.

### **Documents Enclosed**

- Cover Letter
- Infinity Engineering TEC Form
- Infinity Team Organizational Chart
- Gulf South Engineering & Testing TEC Form
- BFM Corporation TEC Form
- Urban Systems TEC Form
- Reference Letters

### **Closing**

Infinity takes great pride in the engineering consulting services we have provided for roadway improvements across the Gulf Coast. We are confident that we have assembled a team of engineers and design professionals that can effectively and efficiently execute the Hickory Avenue enhancement project. We respectfully request the Evaluation Committee to select Infinity Engineering Consultants for this important roadway project, so we can continue to work together to improve our Jefferson Parish communities.

If you have any questions or require additional information, please call me at (504) 304-0548.

Sincerely,



Raoul V. Chauvin, III, P.E.  
Principal Partner  
(504) 304-0548 | rchauvin@infinityec.com



# Hickory Avenue Roadway Rehabilitation



## **Section I** **Infinity Engineering Consultants, LLC.** **TEC From**

## TEC Professional Services Questionnaire

### A. Project Name and Advertisement Resolution Number:

**Hickory Avenue (LA 3154) Rehabilitation (River Road to 10<sup>th</sup> Street)**  
Resolution No. 144734

### B. Firm Name & Address:

**Infinity Engineering Consultants, LLC**  
4001 Division St.  
Metairie, LA 70002

### C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

**Raoul V. Chauvin, III, P.E.**  
Principal  
504-304-0548  
rchauvin@infinityec.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.

**William J. Thomassie, P.E.**  
Principal  
504-304-0548  
wthomassie@infinityec.com

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

<u>4</u> Administrative	Estimators	Specification Writers
<u>    </u> Architects (Licensed)	<u>    </u> Geologists	<u>2</u> Structural Engineers
<u>    </u> Chemical Engineers	<u>    </u> Geotechnical Engineers	<u>5</u> Graduate Engineers
<u>4</u> Civil Engineers	<u>    </u> Interior Designers	<u>    </u> Project Managers
<u>3</u> Construction Inspectors	<u>    </u> Landscape Architects	<u>1</u> Clerical
<u>    </u> Ecologists	<u>    </u> Land Surveyor	<u>    </u> Grant/Funding Specialist
<u>2</u> Electrical Engineers	<u>3</u> Mechanical Engineers	<u>    </u> Sanitary Engineers
<u>3</u> Engineer Intern	<u>    </u> Environmental Engineers	<u>9</u> Drafting/Design
<u>    </u> Professional Land Surveyors		<u>36</u> <b>TOTAL</b>

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

**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.

2.

**H. Has this 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. <b>Gulf South Engineering and Testing, Inc.</b> 15 Veterans Memorial Blvd. Kenner, LA 70062	<b>Geotechnical Engineering</b>	Yes
2. <b>BFM Corporation, LLC.</b> 15 Veterans Memorial Blvd. Kenner, LA 70062	<b>Topographic Surveying</b>	Yes
3. <b>Urban Systems, Inc.</b> 2000 Tulane Ave. Suite 200 New Orleans, LA 70112	<b>Traffic Engineering</b>	Yes
4.		
5.		
6.		
7.		

**J. Please specify the total number of support personnel that may assist in the completion of this Project:**  
**19** total Infinity personnel could assist in the design of the rehabilitation of Hickory Ave.

## 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:**

**William J. Thomassie, P.E.**  
Principal

**Project Assignment:**

Principal-in-Charge

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

20

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 1992 / Civil/Structural Engineering

**Active registration: Year first registered/discipline:**

Professional Engineer – Civil Engineering

AL/2009/Civil	AR/2016/Civil	IA/2018/Civil	IL/2018/Civil
IN/2018/Civil	KY/2018/Civil	LA/1997/Civil	MI/2018/Civil
MN/2018/Civil	MS/2006/Civil	OH/2006/Civil	PA/2007/Civil
TN/2018/Civil	TX/2002/Civil	WV/2004/Civil	

**Other experience and qualifications relevant to the proposed Project:**

**Canal Street/City Park Avenue Intersection Improvements – New Orleans, LA**

Project manager for the redesign of transportation hub at the corner of Canal Street and City Park Ave. The project extended the streetcar tracks with a terminus in the first turnaround bay on the street. Final designs integrated the streetcar line, bus lanes, vehicular traffic, cycling lanes, and pedestrian walkways into one transportation hub.

**City of New Orleans Mid-City Street Repairs – New Orleans, LA**

Principal engineer for the identification and quantification of damages to roadways driveway aprons, sidewalks, curbs, and drainage structures. Infinity developed a scoping report including the locations and descriptions of eligible repairs, added repairs, and justification of additional repairs for DPW to obtain additional funding from FEMA.

**North Galvez Street Repairs – New Orleans, LA**

Principal Engineer for Infinity's **designs for roadway repair and replacement** and all utility improvements for the City of New Orleans project which is funded by bond money. Infinity's designs involved **civil design and construction administration of 5,000 feet of roadway** on a major thoroughfare. Infinity designed the roadway, subsurface drainage, plans and profile, and sidewalk and driveway reconstruction.

**VA Medical Center Infrastructure Improvements – New Orleans, LA**

Project Manager for the **design of 3,000 lf of streets and utilities** to support new medical center. Designs included all roadway paving, including concrete and asphalt, curb and gutter, **drainage improvements, and ADA ramps.**

**Concession Street Reconstruction Plaquemines Parish Government – Belle Chasse, LA**

Project Manager for the reconstruction of Concession Street. Provided design of drainage improvements for existing drainage system, involved **replacement of pipes and catch basins.** Infinity provided civil design and construction administration. Project required conflict resolution to design around an existing major natural gas transmission line.

## TEC Professional Services Questionnaire

### Kostmayer Ave. Resurfacing and Drainage Improvements – Slidell, LA

The City of Slidell requested that Infinity Engineering Consultants present various options to improve Kostmayer Ave. Lead Project Manager in the **drainage design**, material quantities, and cost estimating.

### Louis Armstrong International Airport North Perimeter Road – New Orleans, LA

Project manager for North Perimeter Road at MSY Airport. The project included the design of the new airport utility road extending approximately one mile around the facility.

### Bannerwood Drainage Improvements – Timberland, LA

Project manager for the engineering design for drainage improvement the  $\frac{3}{4}$  square mile neighborhood in Jefferson Parish. Designs consisted of upgrading subsurface drainage on four (4) outfalls from the Bannerwood Subdivision to the Oakwood Canal, and improvements to subsurface drainage along Willowbrook Drive, all in accordance with the Jefferson Parish Subsurface Drainage Improvement Program prepared by Parish Engineers. The upgrading included miscellaneous improvements to lateral drainage connections and **replacement of disturbed streets, driveways, sidewalks, and utilities.**

### Plaquemines Parish Government Seatrain Road Improvements – Belle Chasse, LA

Project Manager for the Improvements to Seatrain Road. Project included the design and contract documents for **roadway, drainage, and utility improvements** for approximately 700 lf of Seatrain Road. The project involved mill, overlay and widening.

### Regional Transit Authority Canal Street to UPT Streetcar Expansion – New Orleans

Project Manager for the expansion of the Canal Street Streetcar Line. Project included construction drawings, record specifications, and identification of utility conflict and relocation design. **Utility conflict resolution** involved weekly and daily coordination meetings with Sewerage and Water Board of New Orleans, City of New Orleans Department of Public Works, Entergy and other private utility companies, engineers, managers, and operations personnel.

### Wedmore Drainage & Roadway Improvements – Marrero, LA

Project manager for the drainage improvement designs to prevent localized flooding in Jefferson Parish. Designs included upgrading subsurface drainage on four (4) out-falls of the drainage systems. The upgrades included miscellaneous improvements to lateral drainage connections and the **replacement of disturbed portions of street, curbing, driveways, and sidewalks.**

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Louis Jackson, P.E.**  
Operations and Quality Control Manager  
Civil Engineer

**Project Assignment:**

Quality Control Manager

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

6

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 1995 / Civil/Structural Engineering

**Active registration: Year first registered/discipline:**

Professional Engineer – Civil Engineering  
LA / 2001 / Civil

**Other experience and qualifications relevant to the proposed Project:**

**City Wide Neighborhood Roadway Repairs – New Orleans, LA**

Engineer of record responsible for the **development of construction contracts and negotiations for repair of roadways across multiple New Orleans neighborhoods** (Lakeview, BW Cooper, Dixon, and Gert Town). Specific activities included inspecting damaged roadways to develop cost estimations, developing construction documents, and administering all elements of multimillion-dollar construction contracts.

**Adele and Fulton Street Reconstruction – New Orleans, LA**

Construction manager for **reconstruction of approximately 2000 linear feet of New Orleans streets**, including installation of new water, sewer, and drainage infrastructure. Responsibilities required close coordination with field and office staff of both the Sewerage & Water Board and City of New Orleans DPW for documentation of completed construction work and managing resident inspector staff.

**Ridgelake Drive Drainage Improvements – Metairie, LA**

Operations and Quality Control Manager for the engineering and design services for drainage improvements on Ridgelake Drive, including **subsurface drainage, new 54-inch outfall, and lateral drainage connections**. Provided design oversight as well as acted as liaison between Infinity and Jefferson Parish to ensure designs effectively met the goals of the scope of design.

**Lakeshore Group C & D Street Reconstruction – New Orleans, LA**

Operations and Quality Control Manager for the of designing of the **complete street replacement** in the St. Roch neighborhood. The project required replacement of roadways, sidewalks, and driveways with the addition of ADA compliant ramps. **Oversaw detailed budget and contract negotiations** with the City of New of New Orleans. Additionally, ensured timely delivery and effectiveness of engineering of designs.

**City of Slidell Roadways Repairs Project - Slidell, LA**

Project manager and engineer of record for the **development of construction documents for repair of roadways, curbing, sidewalks, and driveways**. Specific activities included inspecting damaged roadways to identify defects, justification for favorable eligibility determinations, developing construction documents and cost estimates.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Ricardo Contreras, P.E.**  
Civil Engineering Manager

**Project Assignment:**

Project Manager  
Civil/Structural Engineering Manager

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

8

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 1994 / Civil Engineering

**Active registration: Year first registered/discipline:**

Professional Engineer – Civil Engineering  
LA / 1999 / Civil      FL / 2006 / Civil

**Other experience and qualifications relevant to the proposed Project:**

**West Metairie Avenue Roadway Rehabilitation & Canal Embankment – Metairie, LA**

Project manager responsible for the overall design, preparation of plans and specifications, cost estimates, and coordination of all aspects of the **design of roadway, crosswalk, bike lane**, and drainage improvements. The designs included the removal and replacement of concrete paving panels and repair and adjustment of select drainage outfalls that cross beneath the avenue, and implementation of stabilization measures to the canal embankments.

**Canal Street/City Park Avenue Intersection Improvements – New Orleans, LA**

Assisted with verification of project quantities during design and with construction administration duties for the intersection improvements where Canal Street meets City Park Avenue. The designs of the transportation hub improvements called for **roadway/sidewalk replacement**, underground utility relocation design, terminal mechanical and lighting protection systems, and streetcar track foundations.

**Decatur Street Waterline Replacement – New Orleans, LA**

Technical lead responsible for designing the complete street replacement in the French Quarter neighborhood. The project required design and **replacement of roadways, sidewalks, and driveways** with the addition of ADA compliant ramps. Responsibilities also included drainage, sewer, and water design as well as analysis, evaluation, and replacement.

**Lakeshore Group C & D Street Reconstruction – New Orleans, LA**

Technical lead for the complete reconstruction of several concrete streets. Responsibilities included the drainage analysis for the area, removal and replacement of the existing sewer, water, and drainage systems and the **reconstruction of the existing concrete pavement**. Roadway reconstruction included modifications to the existing sidewalks, driveways, and reprofiling of the roadway alignments.

**Bainbridge Canal Closure & Roadway Improvements – Kenner, LA**

Technical lead responsible for the design and development of the Bainbridge Canal realignment. The improvements included relocating a 1000 ft reach of drainage canal. Responsibilities included analysis of drainage canal cross sectional layout, drainage outfall connections, adjacent infrastructure utilities, and alignment with downstream headwall.

**Westgate Roadway & Drainage Improvements – Jefferson, LA**

Responsible for the design and coordination of multi-discipline consultants for roadway and drainage improvements for sub-basin 1 through 11 for Jefferson Parish. Designs included approximately 3,200 linear feet of 36" reinforced concrete pipe arch, **8,800 square yards of concrete roadway replacement**, and relocation of utilities.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Cindy Gallo, P.E.**  
Project Delivery Manager

**Project Assignment:**

Civil/Structural Engineer

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

10

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 2014 / Civil & Environmental Engineering

**Active registration: Year first registered/discipline:**

Professional Engineer – Civil Engineering  
LA / 2019 / Civil TX / 2023 / Civil

**Other experience and qualifications relevant to the proposed Project:**

**RTA St. Charles Avenue ADA Stops – New Orleans, LA**

Project manager responsible for a preliminary schematic design for **six intersections to be modified for ADA compliance**. Project consisted of preparation of conceptual drawings and cost estimates, coordinating with the Owner, and scheduling all design progress meetings.

**Bannerwood Drainage & Roadway Improvements Phase 1 & 2 – Gretna, LA**

Project manager responsible for the bidding and construction assistance phases of the ¾ mile drainage improvements project. Responsibilities included reviewing the design plans and specifications, responding to owner comments, and preparing documents to be submitted For Bid. The upgrades included **miscellaneous improvements to lateral drainage connections and replacement of disturbed streets**, sidewalks, and utilities.

**Whitney Avenue Bike Lane – Harvey, LA**

Project manager and project engineer responsible for organizing the preparation and delivery of a construction drawing and specification package for a **new bike lane along Whitney Avenue** in Harvey, La. Design included site layout, grading, intersection modifications, ADA compliance, and coordinating with DOTD on required modifications on state roadways.

**Magnolia Street Bridge Replacement and Roadway Improvements – Slidell, LA**

Project manager for the detailed design for drainage improvements and the replacement of the existing bridge on South Magnolia Street. Project included coordinating civil and structural designs for the **new aluminum box culvert and foundation**, site grading, a **new asphalt roadway**, sidewalk and driveway repairs, and underground utility relocations.

**City of New Orleans Joe Brown Park Bridge Rehabilitation – New Orleans, LA**

Project manager responsible for organizing the preparation and delivery of a construction drawing and specification package, coordinating with the owner and the Department of Parks and Parkways, and scheduling all design progress meetings. This project consisted of civil, structural, and electrical design for the **removal and replacement of an existing vehicular bridge**. Prepared the design for the new bridge and foundation and surrounding walking paths.

**Shintech Water Intake Platform Vehicular Bridge – Plaquemine, LA**

Project manager of the engineering team responsible for the civil, structural, mechanical, electrical and instrumentation designs of a new EPA 316B compliant river water intake platform to provide raw/untreated water via a 30-inch pipeline to clarification units within Shintech's SPP3 Plant. Project components included design of the concrete intake platform and **heavy machinery vehicular access bridge** supported by steel pilings/substructures, levee crossing and modifications, piping layouts, pipe support design, hydraulic analyses, and power and instrumentation.

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Robert Haydel**  
Civil Project Designer

**Project Assignment:**

Civil Project Designer  
Hydrologic and Hydraulic (H&H) Study

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

5

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 2005 / Physics  
Master of Science / 2007 / Civil & Environmental Engineering

**Active registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

**MSY Airport Stormwater Management Master Plan – Kenner, LA**

Under the direction of Infinity's engineer of record, led Infinity's team in conducting field investigations of major drainage facilities at Louis Armstrong International airport, as part of a stormwater management master plan. Responsibilities included applying the US EPA Storm Water Management Model to the development of a baseline condition **hydrologic and hydraulic model for the stormwater system**. The master plan culminated in a report consolidating the team's analysis to inform future decisions on stormwater systems at MSY airport.

**Decatur Street Waterline Replacement – New Orleans, LA**

Under the direction of Infinity's engineer of record, led a team as project manager in designing the complete street replacement in the French Quarter neighborhood. The project required design and **replacement of roadways, sidewalks, and driveways with the addition of ADA compliant ramps**. Responsibilities also included drainage, sewer, and water design, analysis, evaluation, and replacement. Additionally, developed construction documents and cost estimates. Special design considerations were given to the timing of street closures due to the prevalence of one-way streets, and the high traffic of the streets.

**Bainbridge Canal Closure & Realignment – Kenner, LA**

Under the direction of the engineer of record, led Infinity's team as project manager in the development of the Bainbridge Canal realignment. The improvements **included relocating a 1000 ft reach of drainage canal** and the design of a 200 GPM sewer lift station. Responsibilities included analysis of drainage canal cross sectional layout, drainage outfall connections, adjacent infrastructure utilities, and alignment with downstream headwall. Additionally, developed construction documents and cost estimate.

**Lakeshore Group C and D Roadway Improvements – New Orleans, LA**

Under the direction of Infinity's engineer of record, led Infinity's team designing the **complete street replacement** in the Lakeshore neighborhood. The project required design and replacement of roadways, sidewalks, and driveways with the addition of **ADA compliant ramps**. Responsibilities also included drainage, sewer, and water design, analysis, evaluation, and replacement. Additionally, developed construction documents (specifications and plan sheets) and cost estimate.

**St. Roch North Roadway Repairs – New Orleans, LA**

Under the direction of Infinity's engineer of record, led Infinity's team designing in designing the complete street replacement in the St. Roch neighborhood. The project required replacement of roadways, sidewalks, and driveways with the addition of ADA compliant ramps. Designs included roadway gradients to create positive cross-sectional and longitudinal drainage. **Hydraulic design/analysis was also required for drainage system design.**

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Michael Riviere, E.I.**  
Senior Civil Project Designer

**Project Assignment:**

Civil Project Designer

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

12

**Education: Degree(s)/Year/Specialization:**

Bachelor of Science / 1988 / Civil Engineering

**Active registration: Year first registered/discipline:**

Engineering Intern  
LA / 1989 / Civil

**Other experience and qualifications relevant to the proposed Project:**

**St. Charles Avenue ADA Pavement Improvements – New Orleans, LA**

Under the direction of Infinity's engineer of record, served as project manager prepared plans for the ADA improvements to several streetcar stops along the St Charles Streetcar Line. The reconfiguration of the streetcar stops created accessible platforms that are deeper; allowing for the deployment of ADA lifts. The deeper platforms required the **widening of the existing median and shifting of the adjoining travel lanes**, as well as, in some locations, the elimination of the parking lane. The plans included new ADA ramps and tactile warning mats along the stop platforms, curb and gutter modifications, new lane stripping, signage, and use of flexible bollards to assist the public through the new lane shifts.

**Filmore Group B Complete Street Reconstruction – New Orleans, LA**

Under the direction of Infinity's engineer of record, assisted with the designing of **roadway improvements for the complete street reconstruction** of Filmore Drive spanning just over 1000 LF. Responsibilities included designing new roadway design including infrastructure, striping, and street signage.

**Canal Street/City Park Avenue Intersection Improvements – New Orleans, LA**

Under the direction of Infinity's engineer of record, performed design efforts involved with the overhead contact system and **utility relocation design** and the coordination and preparation of construction drawings, record specifications, and calculations. Prepared project schedule and estimates utilized the Federal Transportation Administration (FTA) project estimate workbook to prepare estimates to the FTA's Project Management Oversight Committee (PMOC) approval.

**City of New Orleans CBD Waterline Replacement and Pavement Repairs – New Orleans, LA**

Under the direction of Infinity's engineer of record, assisted with the design of temporary water lines, **trenching, bedding, placement of the new waterline and required pavement repairs**. Valves and house connections within the segment were replaced. Fire hydrants along the segment were reconnected and/or relocated. The designs also included large valve pits for 30" water valves; the pit was approximately 18x15'.

**Harmony Circle Downtown Loop Repavement Design – New Orleans, LA**

Under the direction of Infinity's engineer of record, prepared plans with specification notes for the replacement of concrete pavement along the streetcar track on St. Charles Ave. and Carondelet St. Also prepared plans to restore and repair the cobble stone pattern on Lafayette Mall at Carondelet St. at the streetcar track crossing. **Prepared traffic detour and control plans for the phased construction of this project.**

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
<b>Name &amp; Title:</b>	<b>Kevin Hurtt, P.E.</b> Civil Project Engineer
<b>Project Assignment:</b>	Civil Project Engineer
<b>Name of Firm with which Associated:</b>	
<b>Years' experience with this Firm:</b>	4
<b>Education: Degree(s)/Year/Specialization:</b>	Bachelor of Science / 2019 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>	Professional Engineer – Civil Engineering LA / 2024 / Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<p><u>Terry Parkway Roadway Repairs – Terrytown, LA</u> Under the direction of Infinity's engineer of record, assessed existing road surface conditions and <b>designed replacement of damaged panels</b>. Assisted in designing new grading plan for intersection of Terry Parkway and LA23. Coordinated with LADOTD during development.</p> <p><u>Lakeshore Group C Street Reconstruction – New Orleans, LA</u> Under the direction of Infinity's engineer of record, assisted in assessing existing drainage conditions and <b>designed new pipe layout to improve drainage</b> and meet current Orleans parish requirements. Assessed existing street and sidewalk conditions and made recommendations for repair or replacement.</p> <p><u>West Metairie Avenue Roadway Rehabilitation – Terrebonne, LA</u> Provided construction administration services for roadway and drainage improvement to (2) miles of West Metairie Avenue between Roosevelt Boulevard and David Drive. The project scope also included the <b>reconstruction of the adjacent sidewalks with side street turnout</b> to meet ADA criteria.</p> <p><u>Whitney Avenue Bike Lane – Terrytown, LA</u> Under the direction of Infinity's engineer of record, assisted in the design of a two-way bike lane including the repurposing of existing vehicle lanes, conversion of existing sidewalks, and construction of a median path. Prepared cost estimates and <b>assisted in designing lane striping</b>.</p> <p><u>North River Rd Bridge Replacement – Tangipahoa, LA</u> Project manager for the civil/structural team that designed a replacement bridge for the LADOTD off system bridge program. This included coordination with state and local officials as well as management of an environmental subcontractor. For the preliminary plans of the project, a hydraulic design was performed to the specified DOTD Hydraulics manual to ascertain all viable drainage design options for the bridge.</p> <p><u>Jourdan Road Wharf Substructure Repairs CMAR – New Orleans, LA</u> Participated as a project manager for a team that assessed the condition of an existing pile supported wharf facility operated by the Port of New Orleans. Designed pile repair methods for various pile conditions and accessibility. Also designed and prepared drawings for the demolition and reconstruction of a section of wharf. Coordinated with geotechnical and materials testing subcontractors. Project was designed on a CMAR basis.</p>	

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>John Lawrence, P.E.</b> Electrical Engineering Manager
<b>Project Assignment:</b>
Electrical Engineering Manager
<b>Name of Firm with which Associated:</b>

<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1990 / Electrical Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer – Electrical Engineering LA / 1998 / Electrical
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><u>Jones Creek Rd Lighting – Baton Rouge, LA</u> Engineer of record overseeing the electrical design, and development of drawings for roadway lighting for a greenfield project extending Jones Creek Rd from Tiger Bend Rd to Airline Hwy. The electrical designs included electrical services and roadway lighting designed to MOVEBR Design Guideline for the nearly 1.4-mile road expansion and vehicular traffic circle.</p> <p><u>St. Bernard Port New Generator Installation – Chalmette, LA</u> Project manager for the design and installation of a new 250kW 208/120VAC, 3ph, 4W, backup generator at the Associated Terminals office building. Once constructed, the backup generator will be skid mounted with an associated diesel tank. The new 250kW generator output feeder will be connected into a new automatic transfer switch (ATS) which will be located on a new platform via use of new conduits and cables.</p> <p><u>Jefferson Parish Water Department New Electrical Generators – Marrero, LA</u> Project manager for the design to upsize new backup generators from 750kW to 1MW to provide for the full redundant power of the system at the Jefferson Parish water plant in Marrero, LA. The additional capacity required the modification of the existing switchgear to accommodate the new size of the backup generators to allow them to provide their maximum power. The new generators were designed to be diesel powered with a new day tank connected in parallel to the existing day tank with a new transfer valve between both tanks.</p> <p><u>Avondale Lift Station Backup Generator Addition – Avondale, LA</u> Project manager for the design and installation to add a new backup power generator for the Avondale lift station within Jefferson Parish, LA. The new 1MW 480/277VAC, 3ph, 4W, backup generator has been designed with an associated 3-day belly diesel tank that will be skid mounted with the generator. The new generator will be installed on a new platform which will adjoin the existing electrical building. The new 1MW generator feeder will tie into a new automatic transfer switch (ATS) via new underground conduits.</p> <p><u>Kawaneer Sewer Lift Station Generator – Metairie, LA</u> Project manager for the addition of a backup generator to the Kawaneer Street sewer lift station in Metairie, LA. The designs call for a new 480/277VAC, 3ph, 4 wire, backup generator which will utilize natural gas for fuel. Infinity will provide mechanical and electrical engineering designs for the generator, as well as civil engineering for a new concrete slab with pilings as well as a new natural gas line.</p>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Bart Lacombe</b> Electrical Project Designer
<b>Project Assignment:</b>
Electrical Project Designer Electrical Lighting
<b>Name of Firm with which Associated:</b>

<b>Years' experience with this Firm:</b>
5
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2007 / Electrical Engineering
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>Mr. Lacombe brings over fifteen years of electrical and instrumentation experience to the Infinity team. Mr. Lacombe holds experience in providing electrical designs for a multitude of facilities, municipalities, and industrial end users. For the oil and gas industries, Mr. Lacombe has designed control and safety systems, as well as provided model development for arc flash analysis. When working on electrical designs, Mr. Lacombe seeks to collaborate with the owner and other firms involved to ensure seamless installation and usability upon completion.</p> <p><b><u>Jones Creek Rd Lighting – Baton Rouge, LA</u></b> Under the direction of Infinity's engineer of record, assisted with Infinity's project management, electrical design, and development of drawings for <b>roadway lighting for a greenfield project</b> extending Jones Creek Rd from Tiger Bend Rd to Airline Hwy. The electrical designs included electrical services and roadway lighting designed to MOVEBR Design Guideline for the nearly 1.4-mile road expansion and vehicular traffic circle.</p> <p><b><u>Jefferson Parish Government Causeway Boulevard Street Lighting – Metairie, LA</u></b> Under the direction of Infinity's engineer of record, assisted with the electrical design and development of drawings for the new street lighting, including lighting contactor pedestal foundation, and wiring for approximately 3/4 mile of Causeway Boulevard between the Jefferson and Airline highway overpasses. The designs involved reconfiguration of the electrical service for JP design change from high pressure sodium to LED luminaires and distribution.</p> <p><b><u>LSU Science Zone Utility Infrastructure Improvements – Baton Rouge, LA</u></b> Under the direction of Infinity's engineer of record, assisted with the electrical design and planning for <b>the expansion of the electrical and communication services</b> to the "Science Zone" in preparation to accommodate the construction of a new building in the area.</p> <p><b><u>Dillard University Campus Improvements – New Orleans, LA</u></b> Under the direction of Infinity's engineer of record, assisted with the electrical design and development of drawings for a campus improvements project involving new guard shack at entrances including security access, widening of roadways and <b>new lighting for frontal landscape</b>. The electrical designs also included site lighting, a new security and access system with new cameras, and sizing of electrical cables and low voltage cables.</p> <p><b><u>Plaquemines Parish Harbor of Refuge – Empire, LA</u></b> Under the direction of Infinity's engineer of record, assisted with the electrical design and development of drawings for new grounds development involving a new building with sewage treatment, pavilions, picnic areas, and camp sites with RV connections. The electrical design included the <b>main electrical service, site and boat slip lighting, and distribution involving stepdown transformers</b> for servicing the main building, campsites, and pavilions.</p>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Rodney Ziegler</b> Resident Inspector
<b>Project Assignment:</b>
Construction Resident Inspector
<b>Name of Firm with which Associated:</b>

<b>Years' experience with this Firm:</b>
5
<b>Education: Degree(s)/Year/Specialization:</b>
Certificate of Technical Studies: Electrical Technology
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><b><u>Read Blvd. East Group C Complete Street Reconstruction – New Orleans, LA</u></b>                      Performed all <b>resident inspection duties for eight blocks of complete street reconstruction</b>. Included in the project scope was street pavement, sidewalks, drain point repairs, catch basin, and manhole adjustments. Throughout the inspection process, maintained constant contact with project managers to record any variations. Additionally, he prepared technical correspondence and field reports; as well as interpreted construction plans and specifications.</p> <p><b><u>Black Pearl East Carrollton Group A Water Line Replacement – New Orleans, LA</u></b>  <b>Resident Inspector for replacement of existing water line</b> throughout E. Carrollton &amp; Black Pearl Neighborhoods of New Orleans. The project includes new fire hydrants, pavement, and sidewalks repairs. The project consists of 373 LF of 8" water main and 302 LF of 10" water main replaced with C-900 PVC. An additional 40 LF of 10" water main was replaced with fusible PVC pipe to allow traffic to continue in the intersection.</p> <p><b><u>N. Broad Street Underpass Pumping Station - New Orleans, Louisiana</u></b>                      Performed <b>all resident inspection duties</b> for the mechanical, electrical, and general construction phases of the repairs to the N. Broad Street Underpass Pumping Station project. The project included the following:</p> <ul style="list-style-type: none"> <li>• Removal and <b>replacement of one 12" trash pump</b> including pump stand, shaft, intermediate pillow block guide bearings, couplings and bearing support channels</li> <li>• Removal and <b>replacement of all discharge piping</b> between each new installed 12" trash pump and the designated to remain 20" discharge wall pipe.</li> <li>• Clean, prime, and application of protective coating per specifications and submitted paint schedule to all exposed steel inside building.</li> </ul> <p><b><u>St. Roch North Roadway Repairs RR176 – New Orleans, Louisiana</u></b>                      Provided <b>resident inspection for this roadway repair project</b>. Infinity performed roadway, sidewalk, driveway, utility, and ADA compliant ramp designs and construction documents in alignment with the FEMA Recovery Roads program. Hydraulic design/analysis was also required for drainage system.</p>

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Mid-City Street Improvements Groups A &amp; B</b> New Orleans, LA</p> <p>City of New Orleans Department of Public Works Ainsley Fisher 504-658-8056</p>	<p>Infinity developed a comprehensive scoping report for the City of New Orleans addressing longstanding roadway damage. Based on the scoping report, Infinity was the prime consultant chosen to design roadway improvements throughout the Mid-City area. These improvements included <b>roadway pavement and curbing, base for the roadway pavement, subsurface drainage, water and sanitary sewer installation</b>, and adjustments as required to driveways and intersecting streets. All final grades were made to be compatible with adjacent properties and provide a positive flow toward catch basins. Designs for all intersections and medians complied with <b>ADA requirements</b> for ramps.</p>  <p>Additionally, Infinity provided construction administration on this project. Careful considerations were given to creating construction timelines that minimize the impact of street closures on residents, schools, and businesses. Infinity's project manager were in continuous coordination with the contractor and resident inspectors to problem solve challenges when digging in an older city, such as identification of unknown lines and extension of repairs by field change directives.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: Aug 2024	\$20,000,000	\$20,000,000

### PROJECT NO. 2

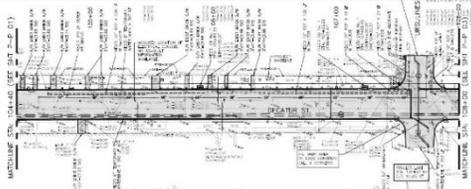
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>West Metairie Avenue Rehabilitation</b> Metairie, LA</p> <p>Jefferson Parish Government Gene Gillen, P.E. 504-832-4878</p>	<p>Infinity is the prime consultant for the restoration of (2) miles of West Metairie Avenue between Roosevelt Boulevard and David Drive. The <b>complete street replacement</b> designs included coordinating work on both sides of the canal to minimize impact to the residential areas. The project required the replacement pavement as well as adjacent canal bank stabilization. Adjacent sidewalks were also reconstructed with side street turnout to meet ADA criteria.</p> <p>Infinity provided geometry and layout of the sheet pile, including the treatment of culvert outfalls per Jefferson Parish provided standards. The sheet pile design also includes material specifications. Adjacent sidewalks were also reconstructed with side street turnout to meet ADA criteria. Infinity's designs included improvement to the drainage system along the streets that was based off hydraulic studies. Infinity's designs included the following:</p> <ul style="list-style-type: none"> <li>• Street outfall pipe replacement</li> <li>• Adjustments of longitudinal and transverse slopes</li> <li>• Adjustment of existing and addition of new drain inlets</li> </ul> 	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Est. Construction Completion: March 2025	\$7,000,000	\$7,000,000

## TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Canal Street/City Park Ave. Transportation Hub &amp; Intersection Improvements</b> New Orleans, LA</p> <p style="text-align: center;">Regional Transit Authority Stephen Mitchell 504-400-6308</p>	<p>As the prime consultant for the final phase of the Canal streetcar line, Infinity was tasked with designing a transportation hub that seamlessly and safely integrated the streetcar line, bus lanes, vehicular traffic, cycling lanes, and pedestrian walkways.</p>  <p>Deemed the "worst" intersection in the city by the RTA and Department of Public Works, Infinity redesigned the terminal to improve vehicular and streetcar safety. Infinity was tasked with designing a transportation hub that seamlessly integrated the streetcar line, bus lanes, vehicular traffic, cycling lanes, and pedestrian walkways. The new alignment <b>improved traffic flow by adding proper signalization</b> along City Park Ave. and Canal Blvd., serving over 50,000 cars, buses, trucks, streetcars, and pedestrians daily.</p> <p>Infinity's multi-discipline team collaborated on all components of the civil, mechanical, and electrical engineering needed for this project. Infinity provided in-house design for the <b>complete roadway replacement</b>, track power and support poles (catenary system), <b>underground utility relocation design</b>, terminal mechanical and <b>lighting protection systems</b>, and streetcar track foundations.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: Jan. 2018	\$9,900,950	\$9,900,950

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Filmore Avenue Complete Street Reconstruction</b> New Orleans, LA</p> <p style="text-align: center;">City of New Orleans Department of Public Works Christopher Harris 504-658-8618</p>	<p>Spanning over 1000 linear feet, the Filmore Avenue project was a <b>complete street reconstruction</b> requiring the replacement of concrete and asphalt pavements in patches and/or full blocks. As part of the complete street reconstruction, Infinity provided designs for new domestic sewer, water, and drainage.</p>  <p>The roadway and drainage designs included the following:</p> <ul style="list-style-type: none"> <li>• Replacement of concrete, asphalt, and composite pavements in patches and/or full blocks</li> <li>• Replacement of existing 4 ft and 5 ft wide sidewalks and driveway aprons</li> <li>• Roadway lane striping and signage</li> <li>• Designs for <b>full drainage line replacement</b> with the addition of catch basins and drain inlets</li> <li>• Establishment of <b>new grade lines</b> to tie the new systems into the existing lines</li> <li>• Establishment of proposed grade line (PGL) and inverts</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: July 2020	\$6,250,000	\$2,200,000

## TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>24" Waterline Replacement Decatur and St. Peter Streets</b> New Orleans, LA</p> <p style="text-align: center;">Sewerage &amp; Water Board of New Orleans Mark Van Hala, P.E. 504-930-7223</p>	<p>Infinity is serving as the sub consultant on the 24" waterline replacement along Decatur and St. Peter streets located in the historic New Orleans French Quarter. Infinity's services will be relied on from the design phase through the construction administration phase. Infinity's designs include the replacement of four blocks of 24" waterlines with new 6-8" waterlines. The waterline design package also includes tie-ins of various sizes, new service connections, and new fire hydrants.</p> <p>For all four blocks of the project, complete street rehabilitation will occur. The roadway designs include the following:</p> <ul style="list-style-type: none"> <li>Removal/Replacement of Existing Drainage Systems</li> <li>Repair of the Sewer Lines by CIPP Lining</li> <li><b>Replacement of the Roadway/Sidewalks to ADA Standards</b></li> </ul> <p>Careful consideration has been given to the preparation of design and construction plans to account for the proximity of the project to the Mississippi River. The construction time frame will be determined by the river's naturally occurring water levels to account for the fluctuating water level near the site.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Construction Completion: March 2025 (Estimate)	N/A	\$6,425,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Sgt. Alfred Drive and Third Street Intersection/Roadway Improvements</b> Slidell, LA</p> <p style="text-align: center;">City of Slidell Blaine Clancy 985-646-4273</p>	<p>Infinity provided engineering services for the paving repairs of Sgt. Alfred Drive in Slidell from U.S. Hwy 11 to Fremaux Drive; including the heavily traveled intersection of Sgt. Alfred Drive and Third Street.</p> <p>The project included approximately <b>6,000 linear feet of asphalt and concrete repairs</b> and associated elevation adjustments of manhole covers and drop inlet grates. Infinity provided the inspection, engineering designs, and construction administration for the removal and replacement of approximately 85 damaged panels, mill and overlay of asphalt sections, and the <b>elevation adjustment of manhole covers and drop inlets</b>. During the construction phase, careful consideration was given to notifying and working with businesses and residential areas to minimize the impact of street closures on daily operation.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: January 2017	\$750,000	\$750,000

## TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Kostmayer Avenue Roadway Improvements</b> Slidell, LA</p> <p style="text-align: center;">City of Slidell Tim Mathison 985-646-4330</p>	<p>As the prime consultant, Infinity provided roadway repair and replacement design and all utility improvements for the Kostmayer Avenue rehabilitation project. The project included the asphalt mill and overlay of 3,300 linear feet of street, including striping, <b>drainage improvements, street alignment</b> and handicap sidewalk ramps.</p> <p>The design and construction of this project was carefully scheduled to <b>avoid interfering with activities of a major school</b>, Abney Elementary, on the stretch of repair. This project outlines Infinity's experience in street construction (repair and overlay), drainage construction, striping, and <b>community engagement to plan construction to alleviate traffic congestion.</b></p>	
		
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: May 2013	\$700,000	\$700,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>VA Medical Center Infrastructure Improvements</b> New Orleans, LA</p> <p style="text-align: center;">City of New Orleans Department of Public Works Nguyen Phan 504-658-8021</p>	<p>Infinity provided civil and electrical engineering design for the <b>reconstruction of subsurface utilities and paving</b> for 3,000 lf of major thoroughfare in support of the new VA Medical Complex. These designs corrected deficiencies in street conditions and utilities to support the new medical complex in Mid-City New Orleans.</p> <p>Infinity designed <b>subsurface drainage</b>, sewer force main reroutes, water main reroutes, and underground electrical power distribution reroutes. Additionally, Infinity provided designs for all roadway paving, including concrete/asphalt curb and gutter, and <b>drainage improvements</b>. Utility conflict resolution involved weekly and daily coordination meetings with Sewerage and Water Board of New Orleans, City of New Orleans, Department of Public Works, Entergy, and other private utility companies, engineers, managers, and operations personnel.</p>	
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: September 2011	\$11,000,000	\$3,000,000

## TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Rampart Street Infrastructure Design and Replacement</b> New Orleans, LA</p> <p style="text-align: center;">Regional Transit Authority Martin Pospisil 504-827-8393</p>	<p>This RTA project involved the expansion of the streetcar line along the Rampart Street to St. Claude lines. Infinity was part of the design team tasked with producing construction drawings, record specifications, and identification of utility conflict and design for the expansion of the Rampart Streetcar line. The <b>utility conflict resolution included natural gas, both high- and low-pressure lines.</b></p> <p>Infinity provided the construction drawings, record specifications and design for <b>multiple waterline relocations</b> in advance of the new Rampart streetcar line. The designs included the utility conflict resolution of 8", 12", 20", and 24" water lines, associated valves, and other underground utilities along Rampart Street from Canal Street to Elysian Fields Avenue.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: October 2016	\$80,000,000	\$30,000,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>South Galvez Street Lighting Improvements</b> New Orleans, LA</p> <p style="text-align: center;">City of New Orleans Department of Public Works Josh Hartley 504-658-8042</p>	<p>Infinity provided the lighting design for <b>street lighting upgrades</b> to South Galvez Street between Canal Street and Tulane Ave. Infinity performed a lighting study to determine the required spacing and dimension of the proposed poles. The prepared construction plans included designs for <b>new power distribution and lighting controller systems</b>, as well as specifications for the street lighting installation. The street lighting specifications addressed the following components: lighting layout and design, luminaire selection and specification, and pole foundation design.</p> <p>Additionally, Infinity provided construction administrative services for the installation of streetscape components and infrastructure improvements along South Galvez Street. This included overseeing the addition of landscaping, <b>decorative streetlights, and pedestrian lights</b>. New waterlines and improved drainage were also installed under Infinity's guidance.</p>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: January 2016	N/A	\$4,800,000

## TEC Professional Services Questionnaire

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

<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
<b>1.</b> Not Applicable	Not Applicable	Not Applicable
<b>2.</b>		
<b>3.</b>		
<b>4.</b>		

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

Infinity Engineering Consultants, LLC. (Infinity) is proud to present our qualifications for **SOQ 24-030 Hickory Avenue Rehabilitation**. Our multi-discipline staff has the roadway engineering experience to provide Jefferson Parish with viable resources to improve the Parish’s roadway infrastructure. As a multi-disciplinary and Jefferson Parish firm, our team of professionals is well-suited for the variety of possible design tasks which will enhance the quality of life for our community. We appreciate this opportunity to submit our qualifications and vision for this important Jefferson Parish roadway project.

### **Project Scope & Understanding**

Infinity understands the scope of the project to include the rehabilitation of Hickory Avenue from 10<sup>th</sup> Street to River Road in the City of Harahan. This 1.4 mile roadway rehabilitation project seeks to enhance the driver and pedestrian experience, as well as improve the drainage and utilities systems. Currently, Hickory Avenue serves as a key roadway connecting the Metairie and Elmwood areas with the neighborhoods within the City of Harahan. Hickory Avenue is a vital roadway as it intersects and has roadway offshoots that connect to Jefferson Highway, which serves as the main roadway artery for Harahan and River Ridge.

Currently, Hickory Avenue starting at 10<sup>th</sup> Street is a narrow, two-lane road that does not have turning lanes for businesses and neighborhoods. Additionally, the sidewalk system is inconsistent in paving, creating an incomplete pedestrian access experience. The Hickory Avenue rehabilitation project seeks to explore options to improve traffic flow, which could include the addition of turning lanes and signalization.

### **Project Team**

To accomplish Jefferson Parish’s conceptual plan for the proposed roadway rehabilitation and utilities improvements, Infinity has assembled a dynamic group of firms to achieve all the required field work and testing, research, design, and construction administration needed for the successful completion of the project. This project will entail a multi-disciplinary approach of civil, structural, and electrical engineering all possibly being necessary for the successful completion of the Hickory Avenue rehabilitation. Infinity’s in-house design capabilities along with our sub-consultants, can accomplish each of the engineering design elements. Following Infinity’s TEC form, we have included an organizational chart to show the roles and responsibilities of the team. The Infinity team includes the following professional services firms who are all based within the New Orleans Metropolitan Area:

INFINITY ENGINEERING CONSULTANTS, LLC.

PROJECT MANAGEMENT  
ROADWAY PAVING DESIGN  
UTILITY ASSESSMENT & RELOCATION  
STREET LIGHTING ELECTRICAL ENGINEERING  
SUBSURFACE DRAINAGE IMPROVEMENTS  
CONSTRUCTION ADMINISTRATION  
INSPECTIONS

## TEC Professional Services Questionnaire

URBAN SYSTEMS, INC.

TRAFFIC ENGINEERING

BFM CORPORATION, LLC.

TOPOGRAPHIC SURVEYS

GULF SOUTH ENGINEERING & TESTING, INC.

GEOTECHNICAL ENGINEERING

### The Infinity Team Difference

#### 1) Professional training and experience both generally and in relation to the type and magnitude of work required for the particular project:

As a local Jefferson Parish business owner, Infinity is proud of the recent strides Jefferson Parish has made in utilizing available funds to improve the quality of our roadways and thoroughfares.

Since Infinity's inception, we have worked closely with Jefferson Parish and neighboring parishes to provide engineering services for the improvement of our roadway systems through repaving designs to complete street replacement. As a member of various Jefferson Parish engineering pools, Infinity has been involved in several key roadway improvement projects. Infinity's recent Jefferson Parish roadway-related projects have included:

- West Metairie Roadway and Drainage Improvements
- Ridgelake Complete Street & Drainage Design
- Terry Parkway LA23 US90B
- Bonnabel Blvd. Water Line Replacement
- Metairie Road Street Lighting (Bonnabel to Severn)
- Colony Place Street Lighting



*Kostmayer Avenue Re-Surfacing & Drainage  
(City of Slidell)*

Most recently, Infinity has completed the prime consultant role on the Mid-City Street Reconstruction project in Orleans Parish. In one of the most densely packed areas of the City of New Orleans, Infinity was tasked with rehabilitating large section of streets, much of which included repaving. Many of the streets required new curbs, driveways, crosswalks, drainage, and incorporating new S&WB water lines. As part of our package design, Infinity prescribed roadway striping and street signage.

Additionally, Infinity has successfully completed other major paving projects in neighboring parishes, including:

- Filmore Group B (Orleans Parish)
- St. Roch North Roadway Repairs (Orleans Parish)
- South Galvez Streetscape (Orleans Parish)
- North Galvez Street Reconstruction (Orleans Parish)
- Kostmayer Ave. Resurfacing & Drainage (Slidell, LA)
- Sgt. Alfred Turning Lane & Re-Paving (Slidell, LA)
- Seatrain Road Re-Surfacing & Drainage (Plaquemines Parish)
- Concession Street Re-Surfacing & Drainage (Plaquemines Parish)

As far as an indication of Infinity's success in completing roadway projects, we include this portion of a recommendation from Tim Mathison, former CAO-City of Slidell regarding Infinity's design of Kostmayer and Sgt. Alfred Streets' Reconstruction: **"Both of these roadway projects were completed on time and within budget. Infinity's employees were professional, knowledgeable, and a pleasure to work with. They were responsible with the budget and cognizant of the needs of the City throughout both projects. I would recommend Infinity for their design capabilities, as well as their professional approach to project management."**

#### 2) Size of firm considering the number of professional and support personnel required to perform the type of engineering

## TEC Professional Services Questionnaire

tasks, including project evaluation, project design, drafting of technical plans, development of technical specifications and construction administration:

Infinity and our subconsultant's staff are more than adequate for completing the Independence Park Pump Station from project kick-off through final commissioning. Infinity has included following our TEC form a detailed organizational chart of the proposed team, including subconsultants. Infinity's full-time staff currently includes:

- (11) Professional Engineers
- (3) Engineering Interns
- (4) Engineering Graduates
- (9) AutoCAD Designers
- (3) Resident Inspectors
- (2) Advanced Measurements Technicians
- (4) Administrative Support Personnel

**Total Firm Size: 36**

Infinity's Professional Engineer and Engineering Intern team includes:

William Thomassie, P.E.	Principal Partner - Civil/Structural Engineer	Experience: 31 Years
Raoul Chauvin, P.E.	Principal Partner - Mechanical Engineer	Experience: 32 Years
Rachel Kenney, P.E.	Chief Engineer - Civil/Structural Engineer	Experience: 20 Years
Louis Jackson, P.E.	QA/QC Manager - Civil Engineer	Experience: 27 Years
Ricardo Contreras, P.E.	Project Manager - Civil Engineering Mgr.	Experience: 27 Years
Cindy Gallo, P.E.	Project Delivery Mgr. - Civil/Structural Engineer	Experience: 9 Years
Kevin Hurtt, P.E.	Civil Project Engineer	Experience: 5 Years
Michael Riviere, E.I.	Civil Project Designer	Experience: 34 Years
Jack Pokrywka, E.I.	Civil Project Designer	Experience: 2 Years
Laura Kelly, P.E.	Mechanical Engineering Manager	Experience: 13 Years
Stephen Gholston, P.E.	Mechanical Project Engineer	Experience: 21 Years
Brian Lauritsen, E.I.	Mechanical Project Designer	Experience: 4 Years
John Lawrence, P.E.	Principal Electrical Engineer	Experience: 33 Years
Matthew Torres, P.E.	Electrical Project Engineer	Experience: 6 Years

**3) Capacity for timely completion of newly assigned work, considering the factors of type of engineering task, current unfinished workload, and person or firm's available professional and support personnel:**

Infinity's current workload is well-suited to provide engineering support services to Jefferson Parish. At the time of submittal, Infinity has fourteen projects within the 75-100% construction completion, including Group B of street repairs to the Mid-City neighborhood, the Jefferson Parish W. Metairie Ave Restoration, Facility Planning & Control Bayou Segnette Drainage Pump Station, and S&WB West Power Complex. The completion of these projects will allow for Infinity's engineers to shift their focus towards the Hickory Avenue rehabilitation project, as the firm currently does not have a backlog of project work. Several of Infinity's designs are entering the final submittal phase.

Concerning Infinity's diligence to deliver on assigned tasks for major infrastructure projects, AECOM's Project Manager for the design of the Regional Transit Authority's Loyola and St. Claude streetcar projects, Bill Norquist, P.E. commented, *"The design of the new streetcar lines were high-profile projects for the New Orleans Regional Transit Authority (RTA) and for the City of New Orleans, and Infinity Engineering provided design and construction-phase design support for the preservation and/or relocation of the existing utilities within the new rail corridor. They worked efficiently and effectively to coordinate their design with local utility companies so that their utility engineering design could be implemented within the very tight schedule constraints of the project while minimizing the effects of the required changes on the public...The success of the Loyola Streetcar project was due, in part, to the exceptional design work by Infinity Engineering."*

**4) Past Performance by person or firm on projects of or similar comparable size, scope, and scale:**

## TEC Professional Services Questionnaire

Over Infinity's 20-year history, our firm has provided stormwater management and drainage systems designs for a wide array of municipalities. This experience has ranged from serving on as-needed professional services list to being the prime consultant for multi-million-dollar projects, including drainage pump stations, from project conception through the construction completion phase. Municipalities for which Infinity has provided professional services:

- Jefferson Parish
- Lafourche Parish
- St. John the Baptist Parish
- St. Charles Parish
- Plaquemines Parish
- Ascension Parish
- City of New Orleans
- Assumption Parish Police Jury
- City of Baton Rouge
- City of Slidell
- City of Covington
- St. Bernard Parish

### **Specialized Louisiana Standard Specifications for Roadways Experience**

Much of the technical engineering aspects required for the Hickory Avenue rehabilitation are similar to many of Infinity's completed roadway-related projects. In 2017, the Regional Transit Authority of New Orleans (RTA) accepted statements of qualifications for the transformation of the Canal Street/City Park Ave Transportation Hub Enhancements Project. **From a field of local, national, and international firms, the RTA selected as the Prime Consultant for this critically important project.**



*Canal Street/City Park Ave Transportation Hub*

Prior to our design and construction, this intersection was deemed **the most dangerous in the city** by the RTA and the Department of Public works.

The volume of traffic includes cars, buses, trucks, streetcars, bikers, and pedestrians. The intersection joins two major North-South thoroughfares (Canal Blvd and Canal Street), providing a conduit for workers, students, and tourists back and forth from Lakeview to Downtown. The other major thoroughfare through this intersection is City Park Ave. It is an entrance and exit to Pontchartrain Expressway (Hwy 90) and provides immediate access to Canal St and Canal Blvd and brings thousands of travelers East-West to and from Delgado Community College, cemeteries, and Mid-City residents. Due to its high volume and mixed vehicles, it was a constant source of congestion and accidents.

On City Park Avenue, our design included new turning lanes to accommodate vehicles and streetcars, while **new signalization** created more efficient flow. The acquisition of turning lanes and re-striping of adjacent lanes allowed for the extension of bike lanes and clear crosswalks for pedestrians to safely navigate. To accommodate the budget and vehicle movement, construction was staged to minimize the impact. In addition to traffic concerns, the intersection bisects (3) cemeteries and is bounded by historic oak trees. The construction site also required the exhumation of several unmarked graves. Placement of decorative light poles and streetcar power poles were strategically placed to avoid additional burial removal.

Another key transportation project Infinity provided designs for was the **Loyola and Rampart Streetcar Extension**. Infinity was a subconsultant to AECOM to provide utilities conflict identification and design. To quote Bill Norquist, AECOM Associate Vice-President, and Project Manager, *"The design of that new streetcar line was a high-profile project for the RTA and for the City of New Orleans, and Infinity Engineering provided design and construction-phase design support for the preservation and/or relocation of the existing utilities within the new rail corridor. They worked efficiently and effectively to coordinate their design with local utility companies so that their utility engineering design could be implemented within the very tight schedule constraints of the project while minimizing the effects of the required changes on the public."*

*As the Project Manager I worked with several members of Infinity Engineering and found them to be efficient, knowledgeable in all aspects of the design to which they were assigned, and always responsive to the changing needs of AECOM, the RTA, and the project stakeholders. The success of the Loyola Streetcar project was due, in part, to the exceptional design work by Infinity Engineering."*

## TEC Professional Services Questionnaire

### Specialized Federal Highways Administration (FHWA), American Association of State Highway and Transportation Officials (AASHTO), & Americans with Disabilities Act (ADA) Experience

Infinity Engineering Consultants provides a wide range of civil engineering services, including all forms of roadway and drainage designs. In each case, we follow all State, local and federal codes, as required. We have prepared roadway designs where the limits of work were limited to an interior section of neighborhood street. This has been the situation with most of the repair work being performed in our Mid-City project. On several occasions, the scope of work included an intersection with a state highway. In these instances, interaction and coordination with state agencies were required, and at times, required Infinity's involvement for permitting. We understand this may be required for tasks assigned under this contract and are prepared to execute the work.



Filmore North Group A ADA Curb Ramps & Crosswalks

Any infrastructure project must consider the **Americans with Disabilities Act (ADA)** requirements and federal laws requiring provisions for equal access for all individuals. The 1990 Americans with Disabilities Act (ADA) has helped provide equal opportunity to safe and accessible transportation systems. Accessibility laws and guidance require the installation of curb ramps or other modifications when a project alters a roadway. Alteration of roadways may include reconstruction, rehabilitation, and the widening of streets. Resurfacing projects are not always simple asphalt overlays and some resurfacing treatments that trigger the ADA requirements for curb ramp accessibility.

#### 5) Location of the principal office where work will be performed:

Infinity's main office is located in the **Fat City area of Metairie, LA**, just 7 miles from the start of the proposed 1.4 mile roadway rehabilitation. Additionally, our three teaming partners are all Jefferson Parish based firms. Therefore, distance will not hinder our ability to perform appropriately on any projects. We have executed multi-million-dollar projects throughout Louisiana, Texas and as far away as Pennsylvania, and the Bahamas. More importantly, the communication between our office, our teaming partners, and the Jefferson Parish will determine the project's success. Infinity has a history of building strong relationships with our teaming partners.

#### 6) Adversarial legal proceedings between the Parish and the person or firm performing professional services, in which the Parish prevailed or any ongoing adversarial legal proceedings between the Parish and the person of firm performing professional services, excluding those instances or cases where the person or firm was added as an indispensable party, or where the person or firm participated in or assisted the public entity in prosecution of its claim:

Infinity is not involved in any adversarial legal proceedings with Jefferson Parish.

#### 7) Prior successful completion of projects of the type and nature of the engineering services, as defined, for which firm has provided verifiable references:

As illustrated in Section L of this TEC Questionnaire, Infinity completed drainage, roadway and utility relocation/utility conflict resolution-related projects for Jefferson Parish and other local municipalities for over 20 years. Included in these projects have been special designs for scheduling and/or phasing of construction to accommodate conditions. Additional references for projects Infinity has completed include:

Per **Reda Youssef, P.E. former Jefferson Parish Director of Capital Projects**, *"Infinity Engineering Consultants has successfully completed the designs for the Wedmore and Bannerwood Drainage projects, as well as the design of the parish's new EOC tower. Their team is competent, easy to work with, and communicate well. I would highly recommend Infinity for these types of projects."*

All our projects are completed by, or under the direct supervision of a licensed engineer and based on his/her experienced subject matter. Per **Bill Rivera, P.E., Port of New Orleans Planning & Facilities Manager** on the design of a **new drainage pump station**, *"Infinity's design team assured the needs and goals of the Port for this project were fulfilled."*

## TEC Professional Services Questionnaire

Infinity's QA/QC procedure provides that all drawings and specifications are further checked before leaving our office. As far as our success completing projects in other cities/parishes, Infinity points to this recommendation from **Tim Mathison, former CAO-City of Slidell** regarding Infinity's design of Kostmayer and Sgt. Alfred Streets' Reconstruction: *"Both of these roadway projects were completed on time and within budget. Infinity's employees were professional, knowledgeable, and a pleasure to work with. They were responsible with the budget and cognizant of the needs of the City throughout both projects. I would recommend Infinity for their design capabilities, as well as their professional approach to project management."*

### **Project Approach**

Throughout the course of the project, all lines of communication will be between Jefferson Parish and Infinity's project manager. Subconsultants will report directly to Infinity. All of our subconsultants are local firms, and, if necessary, can easily meet in person with us or Jefferson Parish staff. Infinity has accomplished many successful projects as a result of proper management, good working relationships, and communication. **Each consultant will be beholden to the same criteria as the prime agreement between Jefferson Parish and Infinity.**

Since the firm's inception, Infinity Engineering has continuously sought to provide high-quality engineering design plans and construction documents. The firm cemented this dedication to providing quality engineering through our dedicated **QA/QC Manager, Louis Jackson, P.E.** Mr. Jackson brings over **27 years** of engineering design, project management, and quality control experience to the role of QA/QC Manager. Infinity will build a project specific QA/QC plan to ensure the project goals are met efficiently and effectively

This will include a project work plan for project monitoring, progress tracking, cost control, and change management. Assembling these elements into one document as a management tool will help ensure that all the essential issues are considered and that the individual elements are planned in a consistent and complementary fashion.

While Infinity looks to be efficient, we also strive for the highest quality of design. This commitment to quality is evident in our dedicated role of Project Delivery Manager, Cindy Gallo, P.E. This role was established to ensure Infinity's projects are delivered efficiently and to the client's specifications.

We understand the importance of **budget maintenance**. Therefore, starting at preliminary design, and continuing through the design process, we perform estimates to track the project budget alignment. We make modifications to the design, as required, to adjust appropriately and keep the project within the AFC.

To quote Mark Harrell, COO-Livingston Parish **"This was Infinity's first-time performing engineering design services for the Parish, and I am writing today to say we are beyond pleased with the results."**

### **Project Methodology**

#### **Hickory Avenue Program Completion Phase:**

Following the execution of the contract agreement and upon receipt of a Notice-to-Proceed, Infinity will schedule an in-person project kick-off meeting at the Parish's offices. With Jefferson Parish's office being only fifteen minutes from our Metairie office, Infinity fully commits to being present at all crucial design meetings. This initial kick-off meeting is expected to also include a site visit to Hickory Avenue to gain a first-person understanding of the roadway traffic patterns. The kick-off meeting and site visit will serve to review and discuss the operational parameters of the project as well as the logistics of future construction.

During the preliminary analysis phase, it will be critically important to identify the project objectives including the roadway design loads, traffic patterns, and other infrastructure needs. With confirmation of the design parameters, Infinity will prepare a Basis of Design document for the Port's review and approval, which will serve to guide throughout the schematic and design development phases. Additional coordination meetings will be held in-person, at the site, or at any location that will allow for the most productivity. All deliverable review meetings are expected to be in person.

## **TEC Professional Services Questionnaire**

### **Site Investigations and Analysis**

Following the Basis of Design, the initial design tasks will focus on surveys and site investigations. One of the earliest needs will be to complete the geotechnical investigation of the greenfield site. Infinity has engaged with Gulf South Engineering & Testing as a subconsultant for these services. Infinity has worked along side Gulf South Engineering & Testing for numerous projects. We expect to carry out the same great working relationship our firms have established. Based on previous roadway development projects, Infinity estimates the geotechnical site investigations will take approximately 45 days to complete.

Topographic surveys will be required to capture current site conditions. For topography and geodetic control, Infinity has teamed with BFM Corporation. Infinity and BFM have worked closely in the past. Based upon those previous projects, Infinity estimates surveying services will take approximately 30 days to complete. Once surveying services have been completed, Infinity's design team will begin the schematic design phase.

### **Engineering Design Phase - Schematic and Design Development Phases**

#### **15% -90% Design Phases**

As a multi-discipline firm, Infinity anticipates performing a majority of the roadway engineering design in-house; Infinity's engineering consulting services includes civil, structural, mechanical, and electrical engineering.

#### **Traffic Engineering Design**

Upon reviewing the current Hickory Avenue roadway layout, Infinity recognized the potential need for traffic engineering services to be performed, specifically to add turning lanes into major business parks and neighborhoods. The proper design of turning lanes. Hickory Avenue is a major roadway artery to access Jefferson Highway; bypassing current roadways through residential neighborhoods. Due to the important nature of this roadway, Infinity has teamed with Urban Systems to provide any necessary traffic engineering services.

When creating the engineering designs for the Hickory Avenue improvements, Infinity would take the recommendations of Urban Systems to ensure compliance with relevant design standards and guidelines such as AASHTO (American Association of State Highway and Transportation Officials) and FHWA (Federal Highway Administration) regulations. Throughout the engineering process all designs will be viewed through the lens of long-haul trailer dimensions. Design lanes and intersections to accommodate the larger dimensions of long-haul tractor-trailers, including turning radii, clearances, and maneuvering space will be the priority when it comes to traffic design. Infinity will work with Parish officials to determine the current maximum tractor-trailer size along Hickory Avenue, as well as any future plans for larger vehicular access.

#### **Pavement Design**

With heavy loads potentially traversing Hickory Avenue, ensuring the proper pavement type, depth, and pour will be crucial to reducing the number of cracks and buckling over time. During the preliminary project analysis, Infinity will assess the condition of existing pavement. This will also serve as the basis for determining the type and formulation of pavement that should be used for the rehabilitation. When providing designs to withstand the heavy axle loads associated with long-haul tractor-trailers, Infinity will set out to incorporate appropriate structural design methodologies such as AASHTO Mechanistic-Empirical Pavement Design Guide.

Infinity views the pavement design for the Hickory Avenue rehabilitation akin to the firm's experience designing paving for the Port of New Orleans' refrigerated container expansion. This paving project demonstrates the Infinity's commitment in finding the proper paving solutions for the anticipated live loads traversing the roadway. For the refrigerated container expansion, Infinity designed the concrete expansion area for a cargo container live load of 1000psf. To conform to all requirements of section 1003.03(b) of the 2006 LSSRB, the new stone was installed and compacted to 95% of maximum dry density at optimum moisture content per ASTM D-1557. The stone base was encapsulated with an approved geotextile fabric. The non-pile-supported paving section was completed with 18" of 6000 psi Portland cement concrete on top of the encapsulated compacted stone base, with reinforcing steel dowels joining new concrete into existing concrete. The concrete has a specified design flexural strength of 900 psi and a modulus of elasticity of 3,000 ksi,

## TEC Professional Services Questionnaire

Additionally, Infinity is acutely aware of the necessity of accounting for weather conditions in particular temperature fluctuation when designing durable pavement with heavy loads.

### Assessments and Inspections

Audits and assessments will be conducted periodically to ensure that all work is being completed in accordance with the QA/QC plan. Findings will be documented, and corrective and preventive actions will be implemented as necessary. All comments made by phase reviewers shall be recorded either by copy of memos, e-mail, letters and/or marked plans received from the reviewers. In the event that comments are received through meetings with reviewers, there shall be minutes prepared that summarize the comments received.

### Parish Communications

Infinity prides itself on the firm's reputation for responsive communication. We understand clear communication between Infinity and Jefferson will be vital to the successful completion of the Hickory Avenue project. Upon commencement of the Hickory Avenue project, Infinity's engineers will develop alongside Jefferson Parish a plan to build the expectations for timely and effective communications. This plan will identify the specific stakeholders who should receive communications as well as the communication channels (virtual software, email, and phone) to be used throughout the duration of the project. Additionally, while various points of the project lifecycle will dictate the amount of communications, a relative expectation for the frequency of communication will also be established. Infinity welcomes dialogue and feedback from our clients.

Our team will work to maintain active communications with Jefferson Parish to ensure the Parish is armed with the information it needs for the successful completion of Hickory Avenue. Additionally, active communication with the Parish will be critical during the construction phases of the project, in order to communicate road closures and detours with the surrounding community.

Infinity Engineering recognizes the importance of the Hickory Avenue rehabilitation. The successful completion of this project will enhance the driver and pedestrian experience when traveling between Metairie and the City of Harahan. Currently, Hickory Avenue is an under development roadway that is crucial to connecting large residential areas. We believe we have assembled the most qualified team to handle all aspects of the project. Thank you for taking the time to learn more about Infinity Engineering Consultants, LLC, and our teaming partners. We look forward to working alongside Jefferson Parish to grow and enhance our communities together.

Raoul V. Chauvin, III, P.E.  
Principal  
Infinity Engineering Consultants, LLC.  
[rchauvin@infinityec.com](mailto:rchauvin@infinityec.com)  
(504) 304-0548

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

**Signature:**  **Print Name:** Raoul V. Chauvin, III, P.E.  
**Title:** Principal **Date:** September 5<sup>th</sup>, 2024

# Hickory Avenue Rehabilitation Design Organizational Chart



- Legend**
- Infinity Engineering Consultants
  - Urban Systems
  - BFM Corporation
  - Gulf South Engineering & Testing

**William J. Thomassie, PE**  
Principal-in-Charge  
Civil Engineering Advisor

**Raoul V. Chauvin, III, PE**  
Principal-in-Charge

**Ricardo Contreras, P.E.**  
Project Manager

**Rachel Kenney, P.E.**  
Chief Engineer

**Roadway Civil Engineering Design**

**Kevin Hurtt, P.E.**  
Project Civil Engineer

**Michael Riviere, E.I.**  
Utilities Relocation Design /  
ADA Compliance

**Additional Civil Support**

**Bryce Barrilleaux\***  
Project Civil Designer

**Jack Pokrywka, E.I.\***  
Project Civil Designer

\*Resumes Available Upon Request

**Construction Administration**

**Rodney Ziegler**  
Resident Inspection

**Cindy Gallo, P.E.**  
Project Delivery Manager /  
Structural Engineer

**Traffic Engineering Design**

**Alison Catarella Michel, PE**  
Principal in Charge of  
Transportation Engineering

**Nicole Stewart, PE. PTOE**  
Transportation Engineer

**Christine Darrah, PE**  
Transportation Engineer

**Fadi Madi, PE**  
Transportation Engineer

**Roadway Lighting Electrical Engineering**

**John Lawrence, P.E.**  
Power Systems Design

**Bart Lacombe**  
Roadway Lighting Design

**Drainage Conveyance Improvements**

**Louis Jackson, P.E.**  
QA/QC Manager /  
Drainage Systems Design

**Robert Haydel**  
Drainage Systems Design

**Geotechnical Engineering**

**Chad Poche, P.E.**  
Executive Vice President

**Bryson Beard, P.E.**  
Assoc. Geotechnical Engineer

**Joseph "Trey" Binder, III, ACI**  
Laboratory Manager

**Eric Paille, C.E.T., ACI**  
Construction Services Manager

**Brandon Paille, ACI**  
CMT Supervisor/Project Manager

**James Tiner, ACI**  
Field Supervisor

**Topographic Surveys**

**Chad Poche, P.E.**  
Executive Vice President

**Gary Lambert, Jr., PLS**  
Professional Land Surveyor

**Christopher Lemley**  
Field Operations Manager

**John Philip Thayer**  
Procurement Director

**Dawn Hoffman**  
Researcher/Archivist

**Will Farber, E.I.**  
Land Surveyor Apprentice

**Curtis Jay Barrios**  
Survey Crew Chief

**Eric Gladney II**  
Survey Crew Chief



**Section II**  
**Gulf South Engineering and Testing**  
**TEC From**

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

### **Hickory Avenue (LA 3154) Rehabilitation**

(River Road to 10<sup>th</sup> Street)

**SOQ 24-030 | Resolution No. 144734**

**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>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:**



**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:



Years' experience with this Firm:

2 years (joined Gulf South in 2022); *Gulf South Engineering and Testing, Inc. | 2022 to present*  
3 years total (2021) *TetraTech, Inc. | 2021 to 2022*

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:

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.

**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.**

**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)

## 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

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

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 roadway 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:**

**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:**



**Years' experience with this Firm:**

5 years (2012-2016; 2023 to present);  
14 years total (2010)

*Gulf South Engineering and Testing, Inc. | 2023 to present*  
*Ascension Parish Sheriff's Office | 2016 to 2023*  
*Gulf South Engineering and Testing, Inc. | 2012 to 2016*  
*Ardaman and Associates, Inc. | 2010 to 2012*

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**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:**

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.

**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)

**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 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)

## 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

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**James Tiner, ACI**  
Laboratory Manager/Field Supervisor

**Project Assignment:**

Laboratory Manager/Field Supervisor

**Name of Firm with which associated:**



**Years' experience with this Firm:**

11 years (2013 to present); *Gulf South Engineering & Testing, Inc. | 2013 - present*  
27 years total (1997) *Ardaman & Associates, Inc. | 2007 - 2013*  
*Soil Testing Engineers, Inc. | 1997 - 2007*

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active Registration: Year first registered/discipline:**

American Concrete Institute (ACI) Grade 1 Certification

**Other experience and qualifications relevant to the proposed Project:**

James Tiner, ACI, has a quarter-century of experience in both field and laboratory testing & inspection. His field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, steel inspection, augercast pile inspection, vibration monitoring, drilled shaft inspection, static and dynamic pile load tests, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring.

In the laboratory, Mr. Tiner 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.

**Metairie Lawn Drainage Improvements, Jefferson Parish, LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

**East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

## TEC Professional Services Questionnaire

Other experience and qualifications: **James Tiner, ACI (continued)**

**Westwego Pump Station #1, Jefferson Parish, LA.** Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$10,000 (fee); 2016)

**Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA.** Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)

**New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA.** Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

**Wastewater Treatment Plant (WWTP) No. 3 Expansion, City of Kenner, LA.** Geotechnical investigation for expansion of the City of Kenner's WWTP. Expansion consists of new clarifiers, buildings, above and below grade piping, and pump stations. Services consist of drilling 11 soil borings to depths of 20 to 110 feet below ground surface, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, allowable pile load capacities, bedding and backfill recommendations, seismic classification, earth pressures, estimates of settlement, and general paving design recommendations. (\$39,000 (fee); 2012)

**Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA.** This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage & Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

**Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA.** Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

**Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA.** Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (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 and all work performed for Jefferson Parish. Please attach additional pages if necessary.**

### PROJECT NO. 1

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Roosevelt Boulevard Roadway Pavement Improvements (West Metairie Ave. to West Napoleon Ave.),</b> City of Kenner, Jefferson Parish, Louisiana</p> <p><b>Hartman Engineering, Inc.</b> 527 W Esplanade Ave Ste 300 Kenner LA 70065</p> <p><b>B.K. Sneed, 504-466-5667</b> bksneed@harteng.com</p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2022	N/A	\$14,000 (fee)

### PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Metairie Lawn and Ridgelake Drive Roadway &amp; Utility Project,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>Ardurra Group, Inc.</b> 3012 26th Street Metairie LA 70002</p> <p><b>Joe Becker, P.E., 504-454-3866</b> jbecker@ardurra.com</p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2021	N/A	\$8,500 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Latigue Road Extension (Phase I; Live Oak Blvd. to Foundry Rd.),</b> Jefferson Parish, Louisiana</p> <p><b>ECM Consultants, Inc.</b> 4409 Utica Street Suite 200 Metairie LA 70006</p> <p><b>Sunina Shrestha, P.E.,</b> 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>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 &amp; recommendations.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
October 2018	N/A	\$7,000 (fee)

<b>PROJECT NO. 4</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Airline Park Boulevard Rehabilitation and Drainage Upgrade (West Napoleon to Camphor),</b> Jefferson Parish, Louisiana</p> <p><b>PECC</b> 3702 Bienville Avenue, Suite C New Orleans LA 70119</p> <p><b>John Shires, P.E.,</b> 800-749-2810 jshires@pecla.com</p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
February 2015	N/A	\$8,500 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>David Drive Drainage Improvements (West Esplanade Avenue to Bruin Drive),</b> Jefferson Parish, Louisiana</p> <p><b>Rahman &amp; Associates, Inc.</b> 3645 Williams Blvd Ste 208 Kenner LA 70065</p> <p><b>Tafoor Hameed, P.E.,</b> 504-469-0022 tafoor@bellsouth.net</p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
December 2015	N/A	\$7,500 (fee)

<b>PROJECT NO. 6</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Airline Highway Street Lighting (Waldo St. to Transcontinental Dr.),</b> Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Department of Engineering</b> 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123</p> <p><b>Ryan Breaux, P.E.,</b> 504-736-6514 rabreaux@jeffparish.net</p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2015	N/A	\$17,500 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Trudeau Drive Drainage Improvements at West Metairie Canal</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Hatch Mott MacDonald</b> 650 Poydras Street, Suite 2025 New Orleans LA 70130</p> <p><b>Many Heymann, P.E.</b>, 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>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
October 2015	N/A	\$8,000 (fee)

<b>PROJECT NO. 8</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Green Acres Road – New Street Lighting</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Pivotal Engineering, LLC</b> 1515 Poydras St Ste 1875 New Orleans LA 70112</p> <p><b>Yoseph Shifare, P.E., PTOE, PMP</b> 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>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
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:	
<p><b>Earhart Expressway Lighting Improvements (Clearview Parkway to Central Avenue),</b> Jefferson Parish, Louisiana</p> <p><b>Perrin &amp; Carter, Inc.</b> 3501 Ridgelake Drive Metairie LA 70002</p> <p><b>Georgia Dufresne, 504-831-7958</b> gdufresne@perrincarter.com</p>	<p>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.</p>	
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:	
<p><b>West Esplanade Avenue Restoration (Tartan Drive to Haring Road),</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>APTIM Environmental &amp; Infrastructure, Inc.</b> 2424 Edenborn Avenue, Suite 450 Metairie LA 70001</p> <p><b>Gene Gillen, 504-832-4878</b> gene.gillen@aptim.com</p>	<p>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.</p>	
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: 5px; 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.**



### 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: August 26, 2024



**Section III**  
**BFM Corporation**  
**TEC From**

## TEC Professional Services Questionnaire

**A. Project Name and Advertisement Resolution Number:**

### Hickory Avenue (LA 3154) Rehabilitation

(River Road to 10<sup>th</sup> Street)

**SOQ 24-030 | Resolution No. 144734**

**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	<u>        </u> Estimators	<u>        </u> Specification Writers
<u>        </u> Architects (Licensed)	<u>        </u> Geologists	<u>        </u> Structural Engineers
<u>        </u> Chemical Engineers	<u>1</u> Geotechnical Engineers	<u>        </u> Graduate Engineers
<u>        </u> Civil Engineers	<u>        </u> Interior Designers	<u>2</u> Project Managers
<u>        </u> Construction Inspectors	<u>        </u> Landscape Architects	<u>        </u> Clerical ( <i>see Administrative</i> )
<u>        </u> Ecologists	<u>1</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> <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> <b>TOTAL</b>

**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:**

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



## 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:**



**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); *BFM Corporation, LLC | 2008 to present*  
17 years total (2007) *Delle Land Surveying | 2007 to 2008*

**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:**

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.

**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)

**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)

**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)

## 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:**

**Will Farber, E.I.**  
Land Surveyor Apprentice/Drafting Services

**Project Assignment:**

Land Surveyor Apprentice/Drafting Services

**Name of Firm with which associated:**

**BFM CORPORATION, LLC**  
Professional Land & Hydrographic Surveying

**Years' experience with this Firm:**

2 years (joined BFM in 2022);  
12 years total (2012)

*BFM Corporation, LLC | 2022 to present*  
*Statewide Land Surveying | 2022*  
*AKS Engineering & Forestry | 2020 to 2022*  
*Bridge Diagnostics Inc. | 2018 to 2020*

**Education: Degree(s)/Year/Specialization:**

B.S., 2018, Civil Engineering (minor in Surveying), LSU

**Active Registration: Year first registered/discipline:**

2018, Engineer Intern (Louisiana, No. 33903)

**Other experience and qualifications relevant to the proposed Project:**

Will Farber, E.I., serves as a Land Surveyor Apprentice; his work with BFM includes survey field services and CADD drafting services (including Civil 3D). His experience also includes working with Leica Infinity, Carlson, InfraWorks, and ReCap, and has worked with Total Station for land surveying, bathymetry, and photogrammetry. Will's past experience includes providing services as an NDE Field Engineer for numerous projects with several types of field inspection testing & monitoring methods; this included Photogrammetry, ultraseismic testing, ground penetrating radar (GPR), and infrared thermography, among others. This project work has included bridge dams, culverts, telecommunication structures, pavements, and other civil infrastructures.

**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)

**Latigue Road Extension – Supplemental Services, Jefferson Parish, LA.** BFM had previously executed a Route Topographic Survey for the project site, which had included all plan & profile surveying services for utilities, properties, elevations and items necessary to perform any and all engineering and construction work. This supplemental phase included updating all right-of-way (ROW) takings to show the R/W as depicted in plans provided by the engineer. (\$5,920 (fee); 2019)

## 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)

*BFM Corporation, LLC | 1990 to present*  
*Benson Mercedes Benz | 1989 to 1990*  
*SECO Electric | 1987*  
*Frishhertz Electric | 1986 to 1987*  
*Plain Construction | 1985 to 1986*

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active Registration: Year first registered/discipline:**

*American Traffic Safety Service Assn. – Traffic Flagger*  
*Basic OSHA Training Class Completion*  
*Transportation Work Identification Card (TWIC)*

**Other experience and qualifications relevant to the proposed Project:**

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).

**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)

**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

## 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

Other experience and qualifications: **Will Farber, E.I. (continued)**

**Destrehan Avenue Bike Path (Patriot Street to Chadwood Drive), Harvey, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey 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. The project area included the Destrehan ramp intersection, Chadwood Drive to Destrehan Avenue, and from the Destrehan ramp to Patriot Street. Surveying services further included the intersection of Destrehan Avenue to all side streets within the project area. (\$86,355 (fee); 2019)

**St. Bernard Avenue, New Orleans, LA.** BFM executed a Route Topographic Survey 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. (\$6,450 (fee); 2019)

**E. Minnesota Park Road Roundabout Project, Hammond, Tangipahoa Parish, LA.** BFM is providing comprehensive surveying services to prepare a Louisiana DOTD Compliant Route Topographic & Right-of-Way Survey for the E. Minnesota Park Road Roundabout Project. This included topographic and boundary surveying with right-of-way maps and GPS surveying services. The scope of work for the Topographic and Boundary Survey included GPS control; and submitted OPUS solutions with sketch to LADOTD for approval. The scope of work for the Survey Line phase included traversing the proposed survey line and processing/submitting (along with Closure Data) to LADOTD for approval. The full topographic and boundary survey element included establishing Temporary Benchmarks (TBMs) along the project survey line; property corners were located along the route to verify the rights-of-way and individual property ownership. Existing improvements, natural and man-made, were located. The next element will involve Right-of-Way maps; the survey work will involve setting property corners at the corners of the acquired property. (\$63,210 (fee); ongoing)

**US 190 - Judge Tanner Boulevard Roundabout, St. Tammany Parish, LA.** BFM Corporation was selected by St. Tammany Parish to provide a range of professional surveying services for their US 190 - Judge Tanner Boulevard Roundabout project. The project area was the subject of a previous Stage 0 evaluation of a roundabout at this location; while awaiting approval from Louisiana DOTD the Parish wished to proceed with surveying services required for the design of construction documents. BFM provided a GPS Control & Survey Baseline, Topographic and Boundary Surveying services (including Temporary Benchmarks), location of improvements & natural elements and utilities. BFM also provided extensive research services into Parish records and utility records. In Phase 2 of the project, BFM provided Right-of-Way Maps & Acquisition Surveying services. (\$66,500 (fee); 2023)

**Carey Street Pavement Rehabilitation Project (Concrete Panel Joint Survey), City of Slidell, LA.** BFM Corporation provided a Concrete Panel Joint Survey for the project in Slidell, LA. All concrete panel joints within the limits of survey were located. A baseline was established along the route (approximate length; 3,600 lf). Locations and elevations were obtained using GPS RTK in areas that allow; in other areas, this data was collected with a Robotic Total Station. BFM also located the back of curb (or edge of pavement) along the route. Project deliverables included a detailed indelible print, a high-resolution PDF, and AutoCAD drawing files in DWG format. (\$9,590 (fee); 2022)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Eric Gladney II**  
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:**

10 years (joined BFM in 2014);  
23 years total (2001)

*BFM Corporation, LLC | 2014 to present*  
*Seatech Industries | 2010 to 2012*  
*Richmond W. Krebs & Associates, LLC | 2008 to 2010*  
*Krebbs, LaSalle, LeMieux Consultants Inc. | 2003 to 2008*

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*

**Active Registration: Year first registered/discipline:**

*American Traffic Safety Service Assn. – Traffic Flagger*  
*Basic OSHA Training Class Completion*  
*Norfolk Southern Roadway Worker Protection Contractor Safety Certificate*  
*Transportation Work Identification Card (TWIC)*

**Other experience and qualifications relevant to the proposed Project:**

Eric Gladney's surveying experience includes topographic, boundary, and hydrographic surveying throughout the region. He has been a Survey Crew Chief on many hundreds of projects. He has had ATSSA certification, completed Basic OSHA Training Class, is Transportation Work Identification Card (TWIC) certified, and completed Norfolk Southern Roadway Worker Protection Contractor Safety Certification.

**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)

## TEC Professional Services Questionnaire

Other experience and qualifications: **Eric Gladney, II (continued)**

**Waterline Improvements on North 1-10 Service Road, South I-10 Service Road, Walbash Street, and Hearst Street, JPPW Project No. 2023-010B-WRB, Jefferson Parish, LA.** BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 8,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM has provided surveying on multiple Waterline Projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

**Route Topographic Survey for Jefferson Parish Waterline Project 2023-030-WRB, Jefferson Parish, LA.** BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 4,600 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM has provided surveying on multiple Waterline Projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$59,300 (fee); 2023)

**Route Topographic & Right-of-Way Survey for Sonia Place, Jefferson Parish, LA.** BFM prepared a Route Topographic Survey for the project which involved a total of approximately 1400 LF. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. (\$15,120 (fee); 2023)

**Waterline Improvements, Metairie Terrace Neighborhood South, JPPW Project No. 2023-040-WRB, Jefferson Parish, LA.** BFM Corporation was selected to provide a Route Topographic Survey for the Jefferson Parish Waterline Project 2023-016A-WRB, which involves a total of approximately 9,100 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM has provided surveying on multiple Waterline Projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$88,400 (fee); 2023)

**Route Topographic Survey for Jefferson Parish Waterline Project 2023-010A-WRB, Jefferson Parish, LA.** BFM Corporation was selected to provide a Route Topographic Survey for the project, which involves a total of approximately 7,000 linear feet. The scope of work involves establishment of a baseline along each route, establishing TBMs, spot elevations, location of improvements, utilities, pipes, and natural elements. BFM has provided surveying on multiple Waterline Projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$78,100 (fee); 2023)

**US 190 - Judge Tanner Boulevard Roundabout, St. Tammany Parish, LA.** BFM Corporation was selected by St. Tammany Parish to provide a range of professional surveying services for their US 190 - Judge Tanner Boulevard Roundabout project. The project area was the subject of a previous Stage 0 evaluation of a roundabout at this location; while awaiting approval from Louisiana DOTD the Parish wished to proceed with surveying services required for the design of construction documents. BFM provided a GPS Control & Survey Baseline, Topographic and Boundary Surveying services (including Temporary Benchmarks), location of improvements & natural elements and utilities. BFM also provided extensive research services into Parish records and utility records. In Phase 2 of the project, BFM provided Right-of-Way Maps & Acquisition Surveying services. (\$66,500 (fee); 2023)

## TEC Professional Services Questionnaire

### KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

**Name & Title:**

**Zachary D. Pittman**  
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:**

1 year (joined BFM in 2023);  
27 years total (1997)

*BFM Corporation, LLC | 2023 to present*  
*Atwell Oil and Gas | 2020 to 2023*  
*Universal Pegasus-Hill | 2017 to 2020*  
*Altura Land Consultants (CO) | 2017 to 2017*  
*NOLA Construction | 2016 to 2017*  
*Gandolfo Kuhn | 2014 to 2016*  
*Cavada Surveyors (CO) | 2013 to 2014*  
*McClone Construction (CO) | 2013 to 2013*  
*GEC Engineering (fm Krebs Lasalle Lemeiux Eng) | 2010 to 2013*  
*Jerry Rugg PLS | 2007 to 2010*  
*Mike Duty PLS | 2006 to 2007*  
*Sage Alliance Co Engineers (AZ) | 2006 to 2006*  
*Tommy Semmes Jr. Surveying | 2005 to 2005*  
*Mike Duty PLS | 2004 to 2005*  
*Cross Country Surveyors | 2002 to 2003*  
*Falcon Surveying (CO) | 2002 to 2002*  
*Charlie Peterson PLS (FL) | 2002 to 2002*  
*Maroney Engineering | 2001 to 2002*  
*Eastside Glass and Sealants (WA) | 2000 to 2000*  
*Jerry Rugg PLS | 1999 to 2000*  
*Mike Duty PLS | 1997 to 1999*

**Education: Degree(s)/Year/Specialization:**

*High School Diploma*  
*Bachelor of Arts Coursework (2 years), University of Louisiana at Monroe*

**Active Registration: Year first registered/discipline:**

N/A

**Other experience and qualifications relevant to the proposed Project:**

Zachary Pittman has worked in the industry since 1997 and has vast experience in surveying services, including a multitude of project types and thousands of projects throughout the region, having served as both Survey Crew Chief and Instrumentman/Rodman. As a field layout engineer, he was in charge of layout and quality control for a large concrete construction company and

## TEC Professional Services Questionnaire

Other experience and qualifications: **Zachary D. Pittman (continued)**

further served as a part-time foreman for oversight of foundation, wall, and caisson crews. Mr. Pittman's project experience includes topographic and hydrographic surveying tasks, including ALTA, boundary, elevation certificates, land planning, lot stakeouts, construction layout, and civil engineering projects. Projects have included cell towers, large and small pipeline construction programs, a large light rail project, sports complex buildings, bridge layouts, gas compressor station as-built and natural gas projects, meter stations and main line replacements, and industrial/gas plants and mines.

Mr. Pittman has Multiple Operator Qualifications for all aspects of pipeline locating and surveying, and is experienced with all instrumentation and various other aspects of surveying involved. This includes Static and RTK GPS; Leica, TDS, Trimble, and Topcon operating systems; Robotic Total Station, and Leica, Trimble, and FARO scanning systems. He also is knowledgeable with JSA, job task, and quality control documents as well as Bluebeam Construction Software, Trimble Business Center, Captivate, and CAD.

**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)

**Bonnabel Canal Right-Of-Way Survey, Jefferson Parish, LA.** BFM was selected to provide Right-of-Way Surveying services for the project area along a portion of the Bonnabel Canal; the survey established the easterly & westerly right-of-way for Bonnabel Canal in relation to the properties along the east of the canal (Bonnabel Place Subdivision) and the westerly side of the canal (Beverly Garden Extension). Scope included providing an abstract to trace the chain of title (including any known or recorded servitudes), and locating property corners and the top of bank along the east and west of Bonnabel Canal to show it in relation to the rights-of-way/servitude. Project deliverables included a Signed & Sealed Survey Plat and high-resolution PDF. (\$47,680 (fee); 2024)

**Lift Stations F6-11 & G6-4, Jefferson Parish, LA.** BFM provided Topographic & Right-of-Way Surveying; scope included establishing a baseline, taking spot elevations (25 ft intervals), location of existing improvements and natural elements as well as utilities (above- and below-ground) and piping (drainage, sewerage, and water structures). BFM also located property corners to establish the rights-of-way and property ownership for the two sites. Project deliverables included prints, high-resolution PDF, Three-Point Tie Worksheet, and AutoCAD drawing files. A Construction Benchmark Certificate was provided for each site. (\$17,860 (fee); 2024)

**FEMA Elevation Certificate for Fisher School, Jefferson Parish Public School System, Jefferson Parish, LA.** BFM provided surveying services for a final FEMA Elevation Certificates for ten buildings located on the Fisher Middle-High School Campus in Marrero; part of a larger project involving Hurricane Ida Mitigation & Repairs. The project's field services extended from January 8, 2024 to January 22, 2024; deliverables included FEMA Elevation Certificates for each structure as requested. Fees for this project were \$3,000. (\$3,000 (fee); 2024)

## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>West Esplanade Avenue U-Turn at Bonabel Canal</b>, Metairie, Jefferson Parish, Louisiana</p> <p><b>Jefferson Parish Department of Engineering</b> 1221 Elmwood Park Blvd Ste 802 Jefferson LA 70123</p> <p><b>Nolan Carreras</b>, 504-736-6515 ncarreras@jeffparish.net</p>	<p>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 &amp; digital files as well as a Three-Point Tie Worksheet.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2024	N/A	\$11,310 (fee)

### PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>West Napoleon Avenue Extension (Highway Park Subdivision)</b>, Jefferson Parish, Louisiana</p> <p><b>Linfield Hunter &amp; Junius, Inc.</b> 3608 18th Street Metairie LA 70002</p> <p><b>Mark Annino</b>, 504-833-5300</p>	<p>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.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2021	N/A	\$10,095 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 3</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Lapalco Boulevard Survey Update,</b> Jefferson Parish, Louisiana</p> <p><b>Hartman Engineering</b> 527 W Esplanade Ave Ste 300 Kenner LA 70065</p> <p><b>Jared Monceaux, P.E.,</b> 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 &amp; previous survey data.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2021	N/A	\$20,480 (fee)

<b>PROJECT NO. 4</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Manhattan Boulevard Southbound Lanes Widening,</b> Harvey, Jefferson Parish, Louisiana</p> <p><b>Professional Engineering Consultants Corporation (PEC)</b> 3702 Bienville Avenue New Orleans LA 70119</p> <p><b>John Shires,</b> 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 &amp; 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>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
January 2021	N/A	\$77,733 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 5</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Cousins Boulevard Extension Project,</b> Harvey, Jefferson Parish, Louisiana</p> <p><b>Digital Engineering</b> 527 W Esplanade Ave Ste 200 Kenner LA 70065</p> <p><b>Frank T. Liang, P.E.,</b> 504-468-7515 fliang@deii.net</p>	<p>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 &amp; 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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
August 2018	N/A	\$49,300 (fee)

<b>PROJECT NO. 6</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Metairie Road Drainage Evaluation,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>GEC, Inc.</b> 3445 N Causeway Blvd Ste 401 Metairie LA 70002-3779</p> <p><b>Jerome Lohmann,</b> 504-207-6926 jlohmann@gecinc.com</p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
May 2020	N/A	\$18,350 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 7</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Lapalco Boulevard Bridge at Harvey Canal, (PW 2017-046-RBP; DOTD H.004396),</b> Jefferson Parish, Louisiana</p> <p><b>Hardesty &amp; Hanover</b> 3850 N Causeway Blvd Ste 1850 Metairie LA 70002</p> <p><b>Dr. Babak Naghavi, P.E.,</b> 504-962-9212 bnaghavi@hardestyhanover.com</p>	<p>BFM Corporation provided extensive surveying services for a topographic &amp; 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>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
September 2020	N/A	\$478,744 (fee)

<b>PROJECT NO. 8</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Lapalco Boulevard Turn Lane (Lapalco Boulevard at Barataria Boulevard),</b> Jefferson Parish, Louisiana</p> <p><b>Burk-Kleinpeter, Inc.</b> 4176 Canal Street New Orleans LA 70119</p> <p><b>Mark K. Roberts, P.E.,</b> 504-486-5901 mroberts@bkiusa.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 &amp; 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>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
April 2018	N/A	\$46,854 (fee)

## TEC Professional Services Questionnaire

<b>PROJECT NO. 9</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Power Boulevard at Vintage Drive,</b> Kenner, Jefferson Parish, Louisiana</p> <p><b>GEC, Inc.</b> 8282 Greenwood Boulevard Baton Rouge LA 70806</p> <p><b>Jerome Lohman, 225-612-3000</b></p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
April 2019	N/A	\$11,390 (fee)

<b>PROJECT NO. 10</b>		
<b>Project Name, Location, and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Metairie Road Smart Growth: Causeway Boulevard and Metairie Road,</b> Metairie, Jefferson Parish, Louisiana</p> <p><b>H. Davis Cole &amp; Associates, Inc.</b> 1340 Poydras Street Suite 1850 New Orleans LA 70112</p> <p><b>David Martin, P.E., 504-836-2020</b></p>	<p>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.</p>	
<b>Completion Date (Actual or estimated:)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
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.	<p><i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p>	
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)

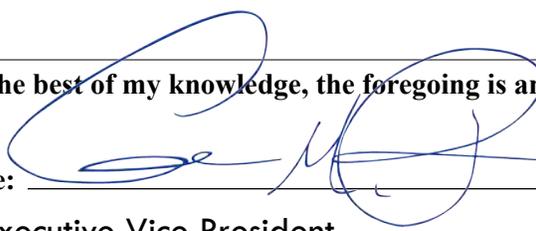
**Angela DeSoto, P.E., Director of Engineering, Jefferson Parish**  
(504-736-6511 | ADeSoto@jeffparish.net)

**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: August 26, 2024



**Section IV**  
**Urban Systems**  
**TEC From**

**A. Project Name and Advertisement Resolution Number:**

**Hickory Avenue (LA 3154) Rehabilitation ( River Road to 10<sup>th</sup> Street) Professional Engineering Services Related to the Design and Construction**

**B. Firm Name & Address:**

**Urban Systems, Inc.  
2000 Tulane Ave, Suite 200  
New Orleans, LA 70112**

**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:**

**Alison Catarella Michel  
President / Transportation Engineer  
[acmichel@urbansystems.com](mailto:acmichel@urbansystems.com)  
504-569-3958**

**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.**

**Alison Catarella Michel  
President / Transportation Engineer  
[acmichel@urbansystems.com](mailto:acmichel@urbansystems.com)  
504-569-3958**

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

- |                                 |                             |                              |
|---------------------------------|-----------------------------|------------------------------|
| <u>2</u> Administrative         | ___ Estimators              | ___ Specification Writers    |
| ___ Architects (Licensed)       | ___ Geologists              | ___ Structural Engineers     |
| ___ Chemical Engineers          | ___ Geotechnical Engineers  | <u>1</u> Graduate Engineers  |
| <u>5*</u> Civil Engineers       | ___ Interior Designers      | ___ Project Managers         |
| ___ Construction Inspectors     | ___ Landscape Architects    | ___ Clerical                 |
| ___ Ecologists                  | ___ Land Surveyor           | ___ Grant/Funding Specialist |
| ___ Electrical Engineers        | ___ Mechanical Engineers    | <u>5</u> Other               |
| <u>1</u> Engineer Intern        | ___ Environmental Engineers |                              |
| ___ Professional Land Surveyors |                             | <b><u>10</u> TOTAL</b>       |

\*Also function as Transportation Engineers

2 Civil Engineers have active Professional Transportation Operations Engineers Certifications (PTOE)

1 Civil Engineers have active Road Safety Professional Certifications (RSP<sub>20</sub>) and has an active Professional Transportation Planning Certification (PTP).

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

**If marked “No” skip to Section I. If marked “yes” complete Sections G-H.**

**G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.**

1. N/A

2. N/A

**H. Has this JOINT-VENTURE previously worked together? Please check:**  
 YES \_\_\_\_\_ NO

**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. <b>Urban Systems, Inc.</b> 2000 Tulane Ave. Suite 200 New Orleans, LA 70112	Traffic Engineering	Yes
2.		
3.		

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

5

**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:**

Alison Catarella Michel, P.E., PTOE, PTP, RSP<sub>2i</sub>

**Project Assignment:**

Principal In Charge of Transportation Engineering

**Name of Firm with which associated:**

Urban Systems, Inc.

**Years' experience with this Firm:**

23 years

**Education: Degree(s)/Year/Specialization:**

BS / 1997 / Civil Engineering

**Active registration: Year first registered/discipline:**

2002 / Professional Traffic Operations Engineer / No. 1023  
 2002 / Civil Engineering / Louisiana / No. 30261  
 2017 / Professional Transportation Planner / No. 626  
 2018 / Road Safety Professional / No. 115  
 2023 / Road Safety Professional Infrastructure / No. 148

**Other experience and qualifications relevant to the proposed Project:**

**SKILLS:**

Ms. Michel has over twenty-five (25) years' experience in Traffic Engineering and Transportation Planning. Ms. Michel has extensive design experience that includes permanent and temporary traffic signals, traffic control devices for work zones, intelligent transportation systems, signage, and striping. She has supervised traffic studies for a multitude of complete streets projects with a focus on improving pedestrian safety. She has designed pedestrian signals for almost every circumstance that has included fixed time coordinated systems in a downtown environment with pedestrian only phases, actuated pedestrian signals with and without pedestrian refuges and mid-block hybrid beacons. Ms. Michel's designs of pedestrian signals have been focused on identifying phasing sequences to encourage pedestrian compliance which is a key factor that affects safety. She is proficient in microscopic simulation modeling using VISSIM and CORSIM and also in analysis programs such as Highway Capacity Software (HCS), Synchro, Tru-Traffic and SIDRA.

**PROFESSIONAL IN CHARGE OF PROJECT:**

**Other experience and qualifications relevant to the proposed Project:**

*ALISON CATARELLA MICHEL PAGE 2*

**EXPERIENCE:**

**Westbank Expressway at Whitney Ave Signal Modifications** Jefferson Parish, LA Oct 2020 – Oct 2021

Ms. Michel oversaw the design of signal modifications at the intersection of Westbank Expy and Whitney Ave. The signal modifications were required to accommodate a new multi-use path crossing at the southern portion of the intersection. The design included audible push button activation for a pedestrian phase to run concurrently with the existing phasing. This required calculating pedestrian clearance times and developing timing plans conducive to pedestrian compliance. Ms. Michel also performed QA/QC to ensure the design met DOTD standards.

**Manhattan Signal Controller Upgrades,** Jefferson Parish, LA, Dec 2018 – May 2019

Traffic signal modification plans for eleven (11) intersections along the Manhattan Boulevard corridor in Jefferson Parish, Louisiana were prepared in accordance with Jefferson Parish and Manual on Uniform Traffic Control Devices (MUTCD) standards. The modifications included controller component upgrades, video detection and pedestrian accommodations at select intersections. During the project Ms. Michel offered her technical expertise from over seventeen (17) years of designing traffic signals and preparing technical specifications for Jefferson Parish.

**Jefferson Parish Traffic Engineering Services on an As-Needed Basis** July 2008-Oct 2014

Ms. Michel was project manager for Traffic Signal System District 4 Signal Upgrades. The intersections included Veterans Memorial Boulevard at Green Acres Road, David Drive at West Metairie Avenue, Transcontinental Drive at West Metairie Avenue and Lynette Drive at David Drive. Traffic signal design plans and specifications were prepared based on Jefferson Parish standards. The construction costs were estimated and a bid tab prepared. Under Ms. Michel's direction, USI staff assisted with contractor selection and construction administration by holding pre-bid and pre-con meetings, performing resident inspections including daily logs, reviewing contractor invoices and conducting final inspections. Ms. Michel also coordinated with DOTD and prepared required DOTD forms for documentation as required due to federal funding for the construction.

**Bike Paths in Jefferson Parish,** Jefferson Parish, LA, Dec 2008 – Jun 2009

Ms. Michel developed a design for bike paths in Jefferson Parish, especially to connect the Lake Pontchartrain Bike Path to the Mississippi River Levee Bike Path. She identified the bike path by conducting field investigations to identify alternate routes, after which she prepared maps and pro/con lists for alternate routes. She presented the alternate routes to appropriate agencies and conducted public meetings for input. She led the team that developed required improvements along the chosen route to include, but not be limited to, striping, signage, pavement repair (potholes, asphalt overlay, concrete panel replacement) and/or signalization. This required collecting field measurements, developing construction plans, preparing cost estimates, and conducting public meetings. She developed the technical plans and specifications for the letter bid package which Jefferson Parish used to advertise, let and award the contract.

**Ochsner Health System, Main and West Campus Traffic Impact Analysis,** Jefferson Parish, LA, 2015 – 2017

As the Principal in Charge for Urban Systems Ms. Michel supervised the preparation of a Traffic Impact Analysis for Master Plan Improvements at Ochsner's Main Campus and Phase 1 the West Campus. Ms. Catarella-Michel supervised vehicular and pedestrian data collection efforts, developed trip generation estimates, assisted in existing conditions and design year traffic analyses and quality control checking of the report documents.

<b>KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:</b>	
<b>Name &amp; Title:</b>	
Nicole H. Stewart, P.E., PTOE	
<b>Project Assignment:</b>	
Transportation Engineer	
<b>Name of Firm with which associated:</b>	
Urban Systems, Inc.	
<b>Years' experience with this Firm:</b>	
18 years	
<b>Education: Degree(s)/Year/Specialization:</b>	
BS / 2004 / Civil Engineering BS / 2004 / Physics	
<b>Active registration: Year first registered/discipline:</b>	
2009 / Civil Engineering / Louisiana / No. 34750 2012 / Professional Traffic Operations Engineer / No. 2923	
<b>Other experience and qualifications relevant to the proposed Project:</b>	
<b>SKILLS:</b>	
<p>Ms. Stewart has eighteen (18) years of experience in Traffic and Transportation Engineering and is a certified Traffic Control Design Specialist. Ms. Stewart has extensive experience in preparing Transportation Management Plans and site-specific traffic control devices plans for every possible environment. This includes closing downtown streets with bike lanes and sidewalks, suburban road closures on multilane highways, and rural road closures requiring extensive detours as well as ramp and interstate closures, both intermittent and long term. Ms. Stewart has designed numerous traffic signals with and without pedestrian accommodations. She has conducted safety studies for public and private clients to improve pedestrian mobility and safety in areas with high volumes of pedestrian activity. Ms. Stewart has experience in signal design and timing of coordinated systems for LADOTD. She has experience using Highway Capacity Software (HCS), Synchro, and SIDRA.</p>	

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Other experience and qualifications relevant to the proposed Project:**

*NICOLE H. STEWART PAGE 2*

**EXPERIENCE:**

**Severn Ave: Veterans to W. Esplanade**, Jefferson Parish, LA, Mar 2018 – Aug 2019

Ms. Stewart was the traffic engineering project manager of this Jefferson Parish roadway reconstruction project. Severn Ave is a heavily travelled multi-lane boulevard requiring complex construction sequencing. Design plans were developed for temporary signals during construction and the permanent signal configurations with pedestrian accommodations. Signal plans were developed using the latest LADOTD TSI format. Ms. Stewart also managed the temporary traffic control plan development for multiple phases of construction, and she performed QA-QC. Another element of this project was coordination with Jefferson Parish and LADOTD to obtain approval of the Parish's equipment and specifications for use in the LADOTD bidding process.

**MacArthur Interchange Completion Phase II TMP**, Jefferson Parish, LA, Nov 2012 - Current

The design team was led by Ms. Stewart for the preliminary traffic signal design and The Traffic Management Plan (TMP) for proposed interchange modifications on US 90 (Westbank Expressway). Tasks for this work include conducting capacity analysis, safety analysis, detour analysis and developing proposed mitigations where applicable. Ms. Stewart was responsible for the QA/QC for this stage of the project. Final design for this project began in September 2019.

**Florida Boulevard**, East Baton Rouge Parish, LA , Feb 2021- ongoing

Ms. Stewart oversaw the traffic study to identify improvements for pedestrian access along US 190 (Florida Blvd) from N. 22<sup>nd</sup> St to 1,140 feet east of N. Beck Street. Ms. Stewart conducted site observations and geometric field checks to document existing conditions to identify concerns that affect pedestrians and cyclists. Ms. Stewart conducted QA/QC of the safety study that involved the review of more than 150 crash reports. Ms. Stewart assisted with identifying potential alternatives to improve pedestrian and bike accommodation along the US 190 corridor. The traffic Study was approved, and design of the signalization is the next task.

**Clearview Parkway at West Esplanade**, Jefferson Parish, LA, May 2006 – Nov 2010

For the Clearview Parkway and West Esplanade Avenue Intersection Improvement project, Ms. Stewart prepared permanent traffic signal plans including locations for controller, mast arms, signal heads, power source, signs and vehicle detection and interconnect. She also prepared the Traffic Control Devices and Detour Plans to facilitate traffic through the phases of construction.

**Carrollton Intersection - Carrollton and Palmetto/Washington Streetscape**, New Orleans, LA, Nov 2008- Nov 2012

Ms. Stewart was the lead engineer on the Carrollton and Palmetto/Washington Streetscape Project for the City of New Orleans. For this project, corridor enhancements were designed including pedestrian surface walkway improvements; bikeways; traffic and pedestrian signalization; vehicular and pedestrian signage; landscaping, lighting, public art, pocket park improvements; minor improvements to curb and gutter, sidewalks, and street surface; minor drainage modifications and improvements; ADA compliant ramps and bus stop relocations. The project entailed Schematic Design, Topographical Survey, Environmental Study, Preliminary and Final Designs, Construction Management, and Community Meetings. Ms. Stewart managed the staff that conducted the analysis and performed QA/QC.

**Williams Boulevard Floodgate**, Jefferson Parish, LA Sept 2011- Feb 2012

The design of Traffic Control devices Plans including haul routes were prepared for the two phased closure of Williams Boulevard at the Lake Pontchartrain Levee Floodgate by Ms. Stewart. The plans were prepared in accordance with Jefferson Parish and MUTCD Standards. Once the plan was implemented MS. Stewart conducted inspections.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Name & Title:**

Christine M. Darrah, P.E.

**Project Assignment:**

Transportation Engineer

**Name of Firm with which associated:**

Urban Systems, Inc.

**Years' experience with this Firm:**

9 years

**Education: Degree(s)/Year/Specialization:**

BS / 1994 / Civil Engineering

**Active registration: Year first registered/discipline:**

1999 / Civil Engineering / Louisiana / No.28528

**Other experience and qualifications relevant to the proposed Project:**

**SKILLS:**

Ms. Darrah has experience in Transportation/Civil Engineering including maintenance of traffic, roadway design plans and specifications, construction management and quality control. She is proficient in the use of AutoCAD, Adobe Illustrator, and Highway Capacity Software (HCS). She also has experience using MicroStation and TransCAD. She has experience developing temporary striping and signage plans for various conditions including lane closures, road closures, flagging operations and full detour plans. Ms. Darrah has prepared traffic signal design plans in LADOTD format. She has been involved in timing/phasing analysis, Data Collection, Safety studies, Crash Data Analysis, and Bike/ Pedestrian accommodations. Her many years and wide variety of experiences are valuable during studies, design development and QA/QC.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Other experience and qualifications relevant to the proposed Project:**

*CHRISTINE M. DARRAH PAGE 2*

**EXPERIENCE:**

**Williams Traffic Signals**, Jefferson Parish, LA May 2020-Dec 2022

Ms. Darrah assisted with the design of signal modifications for three coordinated signals. She was tasked with developing coordination plans, equipment layouts, wiring diagrams, and quantities. The traffic signal plans were prepared using the latest LADOTD TSI format. Other tasks included the addition of pedestrian accommodations including walk/ don't walk signal heads and audible push buttons.

**I-10/Loyola Environmental Assessment Interchange Improvements**, Jefferson Parish, LA Mar 2016- Jan 2019

Ms. Darrah assisted the project team that prepared an Interchange Modification Report for MSY International Airport from I-10. The interchange was recommended to be improved based on the relocation of the airport terminals which will divert traffic through this interchange. Ms. Darrah tasks included working on presentations used for three public outreach events, performing QA/QC for traffic volumes, and preparing the Data Collections Report.

**Barataria Right Turn Lane at Wichers**, Jefferson Parish, LA Oct 2022- ongoing

As Project Manager, Ms. Darrah is overseeing the collection of count and observation data, capacity analysis, warrants, and crosswalk study. She will collaborate with Jefferson Parish and LADOTD to prepare and finalize a report of findings and identify recommended signal phasing and timing adjustments.

**FEMA Recovery Roads Program**, New Orleans, LA Mar 2013 – ongoing

Ms. Darrah assisted with the design plans for the initial phase of roadway plans for the Seventh Ward, Bayou St John and Fairgrounds neighborhoods that were damaged by events related to Hurricane Katrina. Plans were prepared for partial and full concrete and asphalt pavement replacement and asphalt mill and overlay. Incidental paving included sidewalk and driveway replacement and ADA ramp installation at all intersections. She assisted with estimating quantities and construction costs. For the second phase of design services, the plans were for the full re-construction of several streets including waterline replacement Construction Administration services included overseeing inspectors and construction operations, invoice reviews, preparation of field changes, plan changes for scope modifications, and close out documents.

**City Park Parking Lot Improvements** , New Orleans , LA , June 2014 – Jan 2017

Ms. Darrah lent her expertise to design roadway and parking lot improvements in City Park, New Orleans, LA. Ms. Darrah provided QA-QC of the construction drawings and specifications to ensure accordance with all MUTCD, ADA, and New Orleans DPW requirements. Permeable asphalt pavement was used in the parking lot to incorporate green infrastructure in the project. The work consisted of geometric layout, grading, drainage, utility adjustments, striping and signage. Ms. Darrah also conducted construction administration services to ensure compliance with City of New Orleans DPW standards.

**MSY Entrance Road Capacity, North Terminal Louis Armstrong New Orleans International Airport**, Jefferson Parish, LA June 2021- Oct 2021

Ms. Darrah prepared temporary and permanent striping and signage plans for the widening of the Southbound Airport Access Roadway, realignment of TNC Road, and widening of Northbound Airport Access Rd. As part of this project, she performed a comprehensive review of the adjacent Airport Access Rd Improvements included in the I-10/Loyola Interchange Improvement project. The proposed improvements required the temporary closure of one lane of the airport roundabout, roundabout slip lane and right lane of Northbound Airport Access Rd.

**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:**

Fadi Madi, P.E., P.Eng.

**Project Assignment:**

Transportation Engineer

**Name of Firm with which associated:**

Urban Systems, Inc.

**Years' experience with this Firm:**

2 years

**Education: Degree(s)/Year/Specialization:**

BS / 2011 / Civil Engineering

**Active registration: Year first registered/discipline:**

2024 / Louisiana / #49152

**Other experience and qualifications relevant to the proposed Project:**

**SKILLS:**

Mr. Madi is a Project Manager at Urban Systems, Inc. He has over twelve (12) years of experience working for a range of public and private sector clients in the United States and Canada. Mr. Madi is responsible for project management, and providing technical, analytical, reporting, and coordination support on a variety of transportation projects. This has included traffic operations, transportation planning, safety assessments for bicycle and pedestrian enhancements, and design studies. He is proficient in Synchro, HCS and TruTraffic Software and completed the LADOTD TEPR certification modules.

**KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:**

**Other experience and qualifications relevant to the proposed Project:**

*FADI MADI PAGE 2*

**EXPERIENCE:**

**Ochsner Traffic Impact Analysis** , Jefferson Parish, LA, Feb 2022- June 2022

The objective of the study was to evaluate the impact the proposed redevelopment of the Ochsner campus. Changes to the Deckbar Ave corridor were designed to provide a pedestrian friendly, walkable experience. Mr. Madi estimated trip generation, conducted signalized and unsignalized analysis and managed other technical staff.

**Jefferson Hwy @ Corporate Intersection Improvements** , East Baton Rouge Parish , LA Nov 2021- ongoing

Mr. Madi conducted the traffic engineering for the Jefferson Highway at Corporate Boulevard Intersection Improvements project of extending existing turning lanes and adding more where necessary, to increase storage lengths and improve capacity. In addition to turning lane improvements, pedestrian facilities (sidewalks, crosswalks, etc.) and driveway access enhancements were considered to improve safety, pedestrian connectivity to transit facilities, and access management. Mr. Madi was responsible for leading the technical analysis and preparation of deliverables and is currently assisting with the traffic signal design.

**Florida Blvd Segment 2 Enhancement (US 190: N22nd Street to N Beck Street)**

East Baton Rouge Parish, LA, Oct 2021- ongoing

Mr. Madi assisted with a study for this portion of US 190 (Florida Blvd) that was identified as needing improved access for pedestrians and cyclists. Potential intersection and signal improvements, sidewalk connections, and transit stop improvements were considered. Mr. Madi organized the collection of peak periods turning movement counts and field observations. He obtained growth rate data and applied it to existing volumes to forecast No Build volumes. Mr. Madi developed a methodology to estimate the re-routing of traffic volumes based on the proposed improvements. He conducted No Build and Build analysis using HCS software and summarized the findings in a technical memorandum. Mr. Madi will assist with the signal design per East Baton Rouge Standards.

**Dakin Street Improvements – Jefferson Hwy to Earhart Expressway At Grade Improvements Traffic Study** , Jefferson Parish, LA , Oct 2021-ongoing

Mr. Madi was the project manager to study the impact of a proposed new off-ramp on Earhart Expressway (LA 3139) Eastbound to US 90 (Jefferson Highway) on the roadway network. Mr. Madi used output from the RPC TransCAD model to estimate traffic volumes. He was responsible for developing alternatives to mitigate adverse impacts to vehicular traffic operation and access on Jefferson Highway. Mr. Madi conducted HCS analysis of the alternatives for comparison and also evaluated the impact on safety. Mr. Madi prepared the report submittals in accordance with LADOTD TEPR guidelines. He is currently assisting with the design phase in collaboration with Jefferson Parish and LADOTD Traffic Engineers.

**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**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>
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**Manhattan Blvd Signal Modifications  
Westbank Expressway to Lapalco Blvd**

**Jefferson Parish, LA**

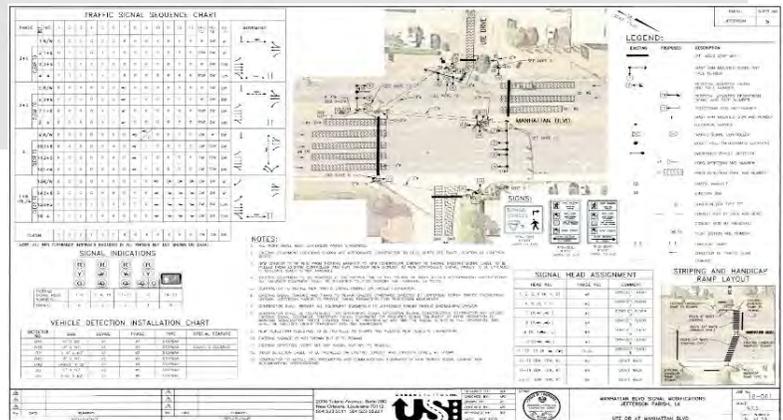
**LADOTD  
P.O. Box 95245  
Baton Rouge, LA 90804  
225.379.1471**

Urban Systems was tasked with designing traffic signal modifications for eleven (11) intersections along Manhattan Blvd from the Westbank Expressway to Lapalco Blvd in Jefferson Parish, LA. Urban Systems staff coordinated with Jefferson Parish traffic personnel during field visits to determine what upgrades for each intersection would be required. The traffic signal modification plans and specifications were prepared in accordance with Jefferson Parish and MUTCD standards. Signal modifications included the following:

- Upgraded controllers
- Controller cabinets
- GPS communication
- Detection systems
- Back-up batteries at major intersections
- Upgrading of pedestrian accommodations
- ADA accessible ramps
- Pedestrian signal heads
- Push buttons

The pedestrian accommodations were required for the intersections of Manhattan Blvd at UTE, Central and Lapalco.

A cost estimate and bid tab form were prepared for each intersection for use in the bidding process.

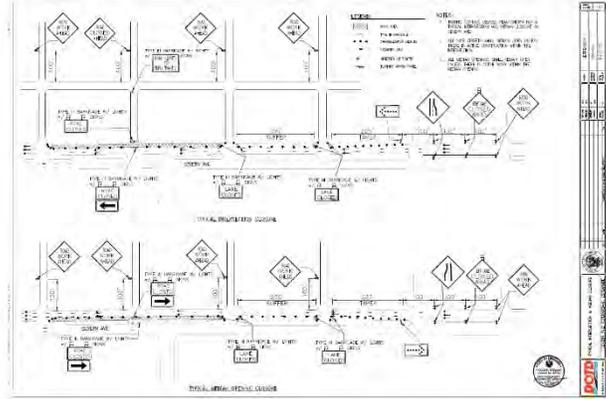


<b>Completion Date (Actual or estimated)</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
<b>2019</b>	<b>Unknown</b>	<b>\$129.5K</b>

## PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Power Blvd at W. Esplanade Ave Improvements</b></p> <p><b>Jefferson Parish, LA</b></p> <p><b>Jefferson Parish</b>  <b>Chris Laborde</b>  <b>New Orleans, LA 70130</b>  <b>504.940.7219</b></p>	<p>The purpose of this project was to develop recommended improvements to address existing traffic congestion and transportation mobility deficiencies at the intersection of Power Blvd at W Esplanade Ave in Jefferson Parish, Louisiana. Phase 1 included analysis of existing conditions and identification of potential improvements. Phase 2 included evaluation of potential improvements and recommendation of short-term and long-term improvements.</p> <p>For Phase 1, existing conditions analysis was performed using HCS and VISSIM microsimulation modeling. Field visits were conducted to identify potential correctable deficiencies. The project team performed a high-level evaluation of the intersection geometry, signage, and signal phasing and timing to identify potential improvements. During Phase 2, potential improvements were screened with the aid of a Project Management Committee (PMC), consisting of local agencies/ stakeholders including Jefferson Parish Traffic Engineering, Regional Planning Commission, DOTD District 02 Traffic Engineering and Jefferson Parish Council.</p> <p>Potential improvements included: adding northbound and/or southbound left turn lanes, closing the u-turn south of the intersection, relocating u-turns farther from the intersection, modifying signage, improving pedestrian accommodations, modifying striping, and altering signal phasing and timing. The project team worked closely with the stakeholders including the Jefferson Parish Councilman's Office to ensure the concerns of the public were addressed adequately.</p> <p>Recommended short-term improvements included striping and signage modifications. Recommended long-term improvements included the relocation of u-turns north and south of the intersection to provide additional storage at the intersection and improve the efficiency of the u-turns.</p> <p>Conceptual intersection layouts and construction cost estimates were developed for both short-term and long-term recommended improvements.</p>	
	 <p style="font-size: small; text-align: right;"> <b>Figure 6</b>                      Long-Term Improvements                      W Esplanade Ave at Power Blvd                      Conceptual Layout                      Jefferson Parish, Louisiana                      Scale: 1"=100'                 </p>	
<b>Completion Date (Actual or estimated):</b>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<b>2019</b>	<b>\$40K</b>	<b>\$40K</b>

## PROJECT NO. 3

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility				
<p><b>Severn Avenue Corridor Improvements</b></p> <p><b>Jefferson Parish, LA</b></p> <p><b>Jefferson Parish</b>  <b>200 Derbigny St, Suite 4400</b>  <b>Gretna, LA 70053</b></p>	<p>Urban Systems was tasked with designing traffic control devices plans (TCDP) and traffic signal modification plans for the Severn Avenue Corridor Improvements project. Maintenance of traffic for this project was critical through the commercial corridor including a Class A shopping center.</p> <p>The TCDP included site specific intersection details for phased intersection closures at three (3) intersections. The project worked with Jefferson Parish throughout the project to develop an efficient and minimally impacting construction sequence. The TCDP the following scenarios for Severn Avenue:</p> <ul style="list-style-type: none"> <li>• Typical outside travel lane closure with intersections open</li> <li>• Typical outside and center travel lane closures with intersections open</li> <li>• Typical inside travel lane closure with medians open</li> <li>• Sidewalk closure typical details</li> <li>• Typical closures for intersections, median openings and driveway.</li> </ul> <p>Due to the geometric roadway changes for this project, modifications to the traffic signals were required for the intersections of Severn Ave at Lakeside and 17<sup>th</sup>/ 18<sup>th</sup> Street. Traffic signal modification plans included equipment relocation and upgrades to the pedestrian accommodations at the intersections. Upgraded pedestrian accommodations included pedestrian push buttons, pedestrian signal head, signage, striped crosswalks and handicap ramps. The traffic signals were designed in the latest LADOTD TSI format and meet the requirements of Jefferson Parish, LADOTD and the MUTCD. These plans included timing from Jefferson Parish that required coordination between Jefferson Parish, LADOTD and Urban System staff to incorporate into the TSI format. Proposed phasing and signal timings where developed to accommodate pedestrian movements based on MUTCD and Jefferson Parish guidelines.</p> <p>Urban Systems also developed detailed Jefferson Parish specifications for each signal, a construction cost estimate and a bid tabulation for use in the bidding process. Urban Systems staff worked with LADOTD and Jefferson Parish personal to develop LADOTD spec item numbers for equipment based on Jefferson Parish specifications.</p>				
					
<p><b>Completion Date (Actual orestimated)</b></p>	<p><b>Estimated Cost:</b></p>				
<p><b>2019</b></p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center; padding: 5px;"><b>Entire Project:</b></td> <td style="width: 50%; text-align: center; padding: 5px;"><b>Work for which Firm was Responsible:</b></td> </tr> <tr> <td style="text-align: center; padding: 5px;"><b>Task 1: 10k</b></td> <td style="text-align: center; padding: 5px;"><b>\$68K</b></td> </tr> </table>	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>	<b>Task 1: 10k</b>	<b>\$68K</b>
<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>				
<b>Task 1: 10k</b>	<b>\$68K</b>				

## PROJECT NO. 4

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

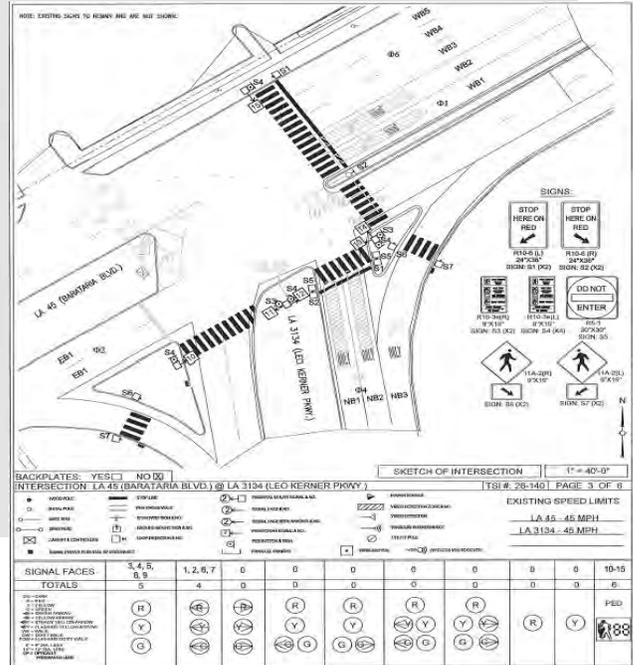
**Jefferson Parish Traffic Engineering Retainer Contract**

**Task 1: Leo Kerner Bike Path Jefferson Parish, LA**

**Jefferson Parish  
Mark Drewes  
504.736.6512**

Urban Systems prepared plans for a traffic signal modification for a signalized pedestrian crossing at the intersection of Barataria Boulevard and Leo Kerner Parkway. This was part of a proposed bike path project in Jefferson Parish, Louisiana. Urban Systems collected pedestrian counts to determine if a signalized crossing was justified based on guidelines stated in the LADOTD *Traffic Engineering Manual*. Urban Systems coordinated with the prime consultant, Jefferson Parish and LADOTD throughout the plan process. The signal modification plans were prepared in the latest LADOTD TSI format. Urban Systems estimated quantities and developed a proposed cost estimate for the modification.

Urban Systems also prepared plans for a rectangular rapid flashing beacon (RRFB) in accordance with LADOTD and MUTCD standards for two (2) additional crossings for the proposed bike path. Urban Systems prepared the plans and assisted with the LADOTD permit process for the equipment installation.



**Completion Date (Actual or estimated):**

**Estimated Cost:**

**Entire Project:**

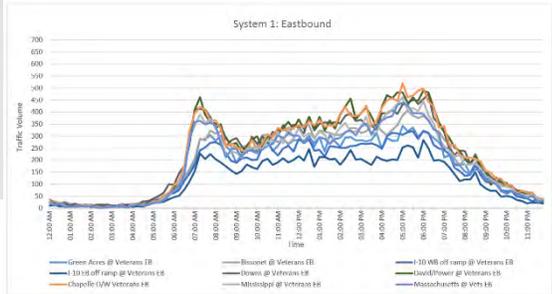
**Work for which Firm was Responsible:**

**2017**

**Unknown**

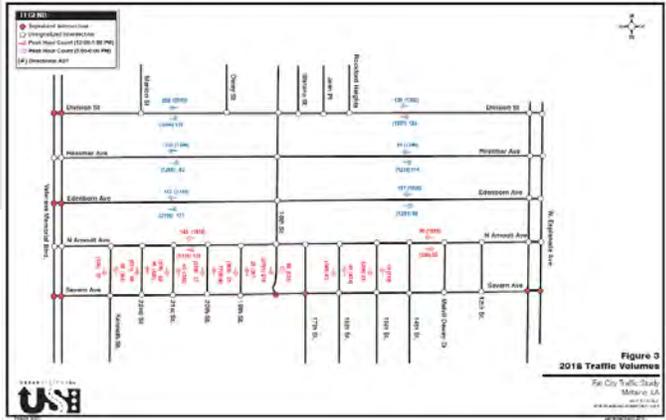
**\$10K**

## PROJECT NO. 5

<p><b>Project Name, Location and Owner's contact information:</b></p>	<p><b>Nature of Firm's Responsibility:</b></p>	
<p><b>Stage 0 Traffic Signal Timing and Coordination Study Veterans Boulevard</b></p> <p><b>RPC Task# VetCor1 Federal Project# H011849</b></p> <p><b>Jefferson Parish, LA</b></p> <p><b>Regional Planning Commission Jeff Roesel 504.483.8500</b></p>	<p>Urban Systems worked alongside the RPC, LADOTD, and Jefferson Parish to complete a Stage 0 Traffic Signal Timing and Coordination Study for Veterans Blvd corridor from Lake Avenue to Massachusetts Avenue to reduce delays, lower emissions, improve fuel consumption, and improve safety, while maximizing the progressive movement of traffic through the Veterans Boulevard corridor.</p> <p>Veterans Blvd is a major urban arterial with thirty signalized intersections in the study area. Urban Systems created an analysis model of the entire corridor with existing signal timings to evaluate the levels of service, delay, and air quality emissions at each intersection in the corridor.</p> <p><u>Tasks</u></p> <p>Collected twenty-four (24) hour turning movement counts at all signalized intersections to determine the morning, midday, and afternoon peak hours.</p> <p>Performed travel time runs along Veterans Boulevard during the morning, midday, and afternoon peak hours.</p> <p>Performed capacity analysis using Synchro 8 software model with the existing traffic signal timings provided by Jefferson Parish and LADOTD.</p> <p>Determined improved yellow and all-red clearance intervals based on the updated ITE clearance interval guidelines.</p> <p>Determined optimal phasing and traffic signal timings, as well as possible construction recommendations to improve progression and reduce delay along the corridor.</p> <p>Conducted a benefit cost analysis of the recommended improvements to the corridor.</p> <p>Implemented the signal timing changes during season of peak traffic flow alongside LADOTD and Jefferson Parish, while making timing adjustments as needed.</p> <p>Conducted post implementation travel time runs to identify the improvements in progression along the corridor.</p> <p>Summarized findings and improvements were sited in a technical report submitted to RPC December of 2016.</p>	
		
	<p><b>Estimated Cost:</b></p>	
<p><b>Completion Date (Actual or estimated):</b></p>	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was Responsible:</b></p>
<p><b>2016</b></p>	<p><b>\$185K</b></p>	<p><b>\$185K</b></p>

## PROJECT NO. 6

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Fat City Improvements</b></p> <p><b>Jefferson Parish, LA</b></p> <p><b>Jefferson Parish DPW</b>  <b>Susan Treadway</b>  <b>504-736-6530</b>  <b>streadway@jeffparish.net</b></p>	<p>The purpose of this project was to evaluate potential modifications to the street network to increase public parking while maintaining traffic flow in Fat City in Jefferson Parish, Louisiana. This project is part of a larger master plan to revitalize Fat City into a city hub for Jefferson Parish.</p> <p>Improvement strategies considered included, but were not limited to:</p> <ul style="list-style-type: none"> <li>•Conversion of streets to one-way couplets to allow on-street parking</li> <li>•Allowing on-street parking across from driveways</li> <li>•Restricting access/routes for delivery and/or oversized vehicles</li> </ul> <p>An evaluation of the existing conditions was performed which included roadway capacity analysis, field observations and an existing parking inventory.</p> <p>Urban Systems reviewed applicable Jefferson Parish Ordinances and identified locations where potential on-street parking could be implemented if roadways were converted to one-way operation. Roadway capacity analysis was performed for potential one-way conversions based on rerouted traffic volumes. Autoturn analysis was also performed to determine if restricting access for delivery and/or oversized vehicles would be required to avoid conflict with on-street parking.</p> <p>An evaluation was also performed to determine if paved parking bays could be installed in lieu of converting to on-street parking. Locations were identified where this could be an option; however, it would significantly affect the existing landscape buffer.</p> <p>Vacant lots within the study area were identified for potential purchase and conversion to surface street public parking.</p> <p>Meetings with stakeholders including Jefferson Parish Traffic Engineering Division and the Jefferson Parish Councilperson were held to discuss potential options.</p> <p>The recommended one-way conversions are currently being analyzed to confirm feasibility and to identify required improvements/modifications to adjacent intersections.</p>	
	<p><b>Estimated Cost:</b></p>	
<p><b>Completion Date (Actual or estimated):</b></p>	<p><b>Entire Project:</b></p>	<p><b>Work for which Firm was Responsible:</b></p>
<p><b>2020</b></p>	<p><b>\$68.4K</b></p>	<p><b>\$68.4K</b></p>



**PROJECT NO. 7**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Congestion Management:  
Traffic Signal Improvements**

**SP No. H.972035.1  
RPC Task C-414, FY-14 UPWP**

**Kenner, Jefferson Parish, LA**

**Regional Planning Commission  
Jeff Roesel  
504.483.8500**

The purpose of this project was to identify improvements to update the existing span wire traffic signals at W. Esplanade at Chateau and Roosevelt at W. Metairie in Kenner, Louisiana. These two intersections were identified with highest priority for improvements in the Regional Planning Commission (RPC) and City of Kenner's June 2013 traffic signal inventory. The need for pedestrian signals and existing peak hour traffic flow conditions were evaluated. Safety concerns were identified and all recommended improvements were incorporated into conceptual traffic signal designs. These designs were developed based on the Louisiana Department of Transportation and Development (LADOTD) design standards. Project tasks included data collection, surveying, traffic analysis, safety analysis, and conceptual traffic signal design.

**Traffic Analysis**

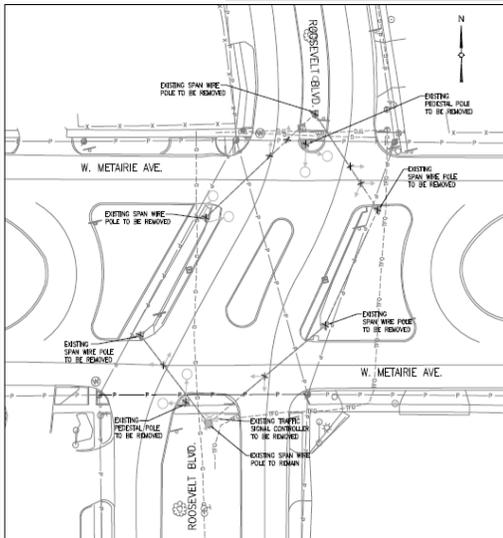
Vehicle turning movement counts (TMCs) and pedestrians counts were collected at the study intersections and peak hour volumes were determined. Signalized intersection analyses were performed in Highway Capacity Software (HCS+), to determine the optimal signal timings. An investigation of the pedestrian activity at the intersections was conducted and warrants were not met for pedestrian signal heads.

**Safety Analysis**

A detailed crash summary was provided by the RPC for the study intersections. The data was reviewed and it is expected that the installation of signal heads on the proposed mast arms with backplates is expected to increase the signal visibility for motorists. During a site visit to observe operating conditions, it was noted that the signal at W. Esplanade was not operating properly as one approach of the intersection was being serviced with the max green time each time the phase was called without vehicles present. Urban Systems reported the problem and worked with Jefferson Parish to get the existing controller reprogrammed to resolve the timing issue.

**Conceptual Traffic Signal Design**

The conceptual traffic signal designs were prepared to update the existing span wire traffic signal systems at both subject intersections. This included removing and replacing the existing signal equipment with mast arms, video detection and new signage. New phasing was recommended at the intersection of Roosevelt at W. Metairie to provide median clear out phase.



**Completion Date (Actual or estimated):**

**2014**

**Estimated Cost:**

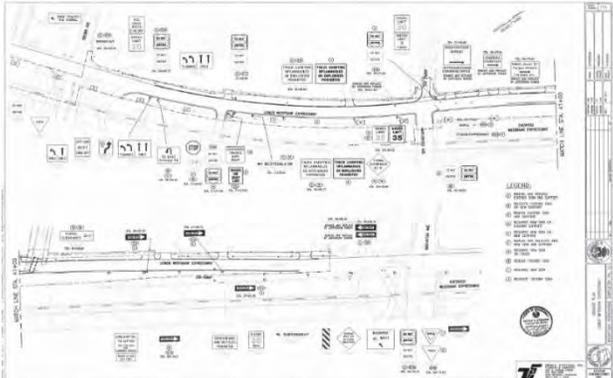
**Entire Project:**

**\$45K**

**Work for which Firm was Responsible:**

**\$45K**

**PROJECT NO. 8**

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>MacArthur Drive Interchange Completion Phase 1</b></p> <p><b>Harvey, Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish</b>  <b>1221 Elmwood Blvd.</b>  <b>Suite 1002</b>  <b>Jefferson, Louisiana 70123</b>  <b>504.736.6607</b></p>	<p>This project was for Phase I of the MacArthur Interchange Completion project, which included preliminary and final design for the new off and on ramps for the elevated westbound Westbank Expressway in Harvey, Louisiana between Manhattan Boulevard and Peters Rd. As the Traffic Engineering consultant for this project, Urban Systems, Inc. successfully completed the plans for the proposed construction sequencing, permanent signage, roadway striping and traffic signal design at the Brown Ave and Maple Ave intersections with the new ramps at the lower Westbank Expressway.</p> <p>Urban Systems, Inc. developed the sequencing, which ultimately resulted in five construction phases. The Traffic Control Devices Plans were critical to facilitate traffic safely through the traffic control zone. These plans included lane closures, lane width reductions, detours and strategically sequencing the closure of commercial driveways to ensure that access to all businesses was maintained throughout construction.</p> <p>The permanent signage and striping plans were prepared to safely and properly guide motorists to the new ramps. The signage design included both regulatory and guide signs, both smaller post mounted signs and large overhead structure mounted signs.</p> <p>Urban Systems, Inc. also prepared the plans for the permanent traffic signals at Brown Avenue and Maple Avenue intersections with the Lower Westbank Expressway.</p> <p>All plans were prepared to be in accordance with the 2009 edition of the Manual of Uniform Traffic Control Devices and the Louisiana Department of Transportation and Development's 2006 Standard specifications for Roads and Bridges.</p> 	
<p><b>Completion Date (Actual or estimated):</b></p>	<p align="center"><b>Estimated Cost:</b></p>	
	<p align="center"><b>Entire Project:</b></p>	<p align="center"><b>Work for which Firm was Responsible:</b></p>
<p align="center"><b>2011</b></p>	<p align="center"><b>Unknown</b></p>	<p align="center"><b>\$25.5K</b></p>

**PROJECT NO. 9**

<b>Project Name, Location and Owner's contact information:</b>	<b>Nature of Firm's Responsibility:</b>	
<p><b>Traffic Engineering As-Needed Retainer Contract</b>  <b>Department of Public Works</b>  <b>Jefferson Parish</b></p> <p><b>Jefferson Parish, Louisiana</b></p> <p><b>Jefferson Parish</b>  <b>Department of Public Works</b>  <b>504-736-6403</b></p>	<p><b>Bike Path</b> - project purpose was to establish bike paths in Jefferson Parish and specifically, to connect the Lake Pontchartrain Bike Path to the Mississippi River Levee Bike Path.</p> <ul style="list-style-type: none"> <li>• Identified the bike path. This required the following tasks: <ul style="list-style-type: none"> <li>◦ Conducted field investigations to identify alternate routes</li> <li>◦ Prepared maps to indicate alternate routes</li> <li>◦ Prepared pro/con lists for alternate routes</li> <li>◦ Met with appropriate agencies</li> <li>◦ Conducted public meetings</li> </ul> </li> <li>• Developed required improvements along the chosen route to potentially include, but not be limited to, striping, signage, pavement repair (potholes, asphalt overlay, concrete panel replacement) and/or signalization. This required the following tasks: <ul style="list-style-type: none"> <li>◦ Conducted field measurements</li> <li>◦ Developed construction plans</li> <li>◦ Prepared cost estimates</li> <li>◦ Conducted public meetings</li> </ul> </li> <li>• Developed prioritization of the required improvements and identified which improvements should/can be implemented in this phase. This required meeting with appropriate agencies.</li> <li>• Developed letter bid package to Advertise, Let and Award to a contractor; limited to the technical plans and specifications.</li> <li>• Provided Construction Administration services: Submittal reviews, Responses to Inquiries and final inspection.</li> </ul> <p><b>David Drive at Veterans Boulevard</b> - project was to determine if northbound to westbound left turns could be accommodated safely and efficiently at the intersection of Veterans Boulevard at David Drive/Power Boulevard. The tasks performed to meet these objectives were:</p> <ul style="list-style-type: none"> <li>◦ Collected 24-hour machine volume and speed data</li> <li>◦ Collected turning movement counts during AM and PM peak hours</li> <li>◦ Collected data at adjacent u-turn locations to assist with determining existing demand for prohibited left turn</li> <li>◦ Reviewed accident reports for the past 3 years and prepared collision diagrams where necessary to identify any safety concerns</li> <li>◦ Prepared capacity analysis for existing traffic conditions</li> <li>◦ Developed projected turning movement volumes for northbound to westbound left turn if it were allowed.</li> <li>◦ Prepared capacity analysis for the projected traffic conditions</li> <li>◦ Developed conceptual geometric modifications required to accommodate northbound to westbound left turn</li> <li>◦ Prepared preliminary opinion of probable cost for the conceptual geometric modifications</li> <li>◦ Calculated queues and storage requirements for the projected conditions</li> <li>◦ Conducted a sight distance analysis</li> <li>◦ Prepared a technical memorandum to document the findings</li> </ul>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
2009 2009	\$25K \$9.5K	\$25K \$9.5K

**PROJECT NO. 10**

**Project Name, Location and Owner's contact information:**

**Nature of Firm's Responsibility:**

**Bucktown Couplet Study**

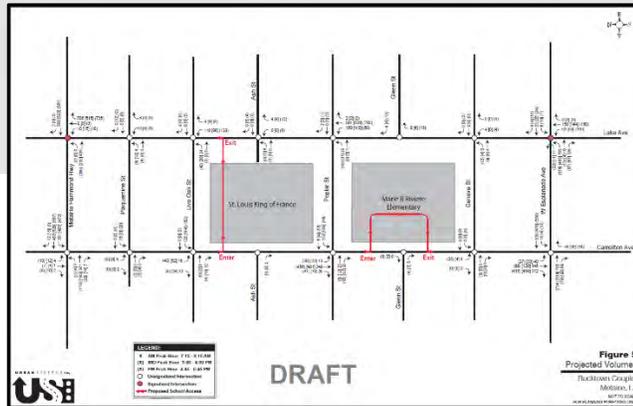
**Jefferson Parish, LA**

**Jefferson Parish  
Department of Public Works  
1221 Elmwood Park Blvd  
Suite 802  
Jefferson, LA 70123**

The purpose of this project was to evaluate the impacts of converting Lake Ave and Carrollton Ave between Metairie Hammond Hwy and West Esplanade Ave in Bucktown to a one-way couplet system. This project originated from a couplet idea developed in a Bucktown Neighborhood Plan previously conducted in August of 2005. This project was conducted to determine the feasibility of the couplet system and of raising the existing 20 mph speed limit on Lake Ave and Carrollton Ave.

A unique aspect of this project is two (2) schools, St. Louis King of France and Marie B Riviere Elementary, located in the middle of the proposed couplet system. The USI team analyzed each school's existing access plan to determine the impact of converting to a couplet system. The re-routing of traffic volumes that would occur with the conversion to a one-way couplet system was estimated with a focus on the study intersections and access to/from the schools. The USI team developed a proposed access plan, with the addition of the couplet system, for presentation to each of the schools to gain input. Intersection capacity analysis was conducted at the study intersection with and without the couplet system for comparison purposes. Jefferson Parish ordinances were reviewed to determine the feasibility of raising the speed limit. A traffic report was developed to summarize the finding of the study and was provided to Jefferson Parish.

Future tasks will include developing a striping plan, a signage plan and traffic signal plans for the couplet system. Traffic signal plans will include the installation of traffic signals at two (2) intersections Carrollton Ave at W Esplanade Ave and Metairie Hammond Hwy which are currently unsignalized.



**Completion Date (Actual or estimated):**

**Estimated Cost:**

**Entire Project:**

**Work for which Firm was Responsible:**

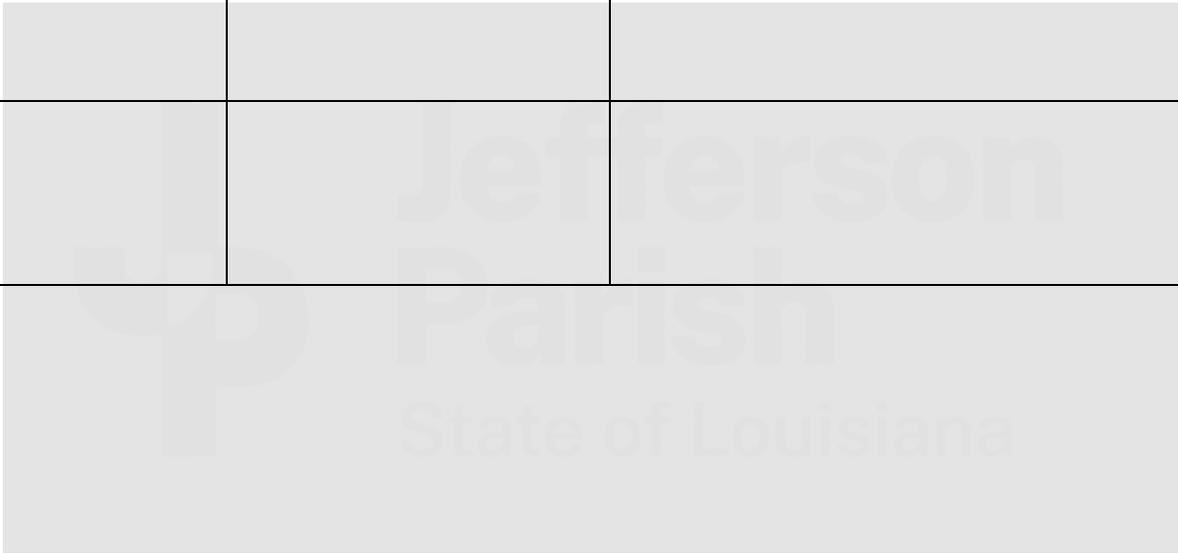
**2020**

**\$39K**

**\$39K**

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

<b>Parties:</b>		<b>Status/Result of Case:</b>
<b>Plaintiff:</b>	<b>Defendant:</b>	
1. Decay	Jefferson Parish Urban Systems, Inc. Design Engineering, Inc.	Closed Plaintiff Received No Award
2.		
3.		
4.		



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



Urban Systems, Inc. (USI) is a licensed consulting engineering corporation in Louisiana, Mississippi, Alabama, and Texas with offices in New Orleans and Baton Rouge, Louisiana and Biloxi, Mississippi. USI specializes in traffic engineering and transportation planning and has long been recognized for its technical expertise, analytical ability and imaginative approach to a wide range of traffic/transportation planning and engineering projects. With continuous service since 1974, our ability to bring a variety of experience to a project has proven valuable to our clients who are involved in improving transportation infrastructure in both urban and rural environments. USI staff stays current via education and training.

Throughout our history, we have been honored to support Louisiana, Jefferson Parish and other local governments in their initiatives to improve safety and mobility. USI strives to apply their knowledge, experience, insight, and energy to maintain and/or improve quality of life in the communities we serve. Urban Systems has successfully completed projects that address all aspects of transportation and planning to optimize traffic safety and operations.

*USI's vision is to be the premier firm in Louisiana and surrounding areas by providing quality Traffic Engineering and Transportation Planning services.*

**Our mission** is to provide comprehensive multi-modal transportation solutions that enhance quality of life for all users through partnerships with public and private clients. We develop leaders in traffic and transportation engineering by cultivating the full potential of our team members.

**Core Values:**

- Quality
- Integrity
- Teamwork
- Client relationships

**Focus: Enhance quality of life for all.**

Urban Systems, Inc. is a certified Disadvantaged Business Enterprise by the Louisiana, Mississippi, and Texas Unified Certification Programs, a Women Business Enterprise, Certified- Active as a small entrepreneur with Louisiana Economic Development Hudson Initiative, SEDBE certified by the City of Baton Rouge, Parish of East Baton Rouge and a Women owned Small Business.

**URBAN SYSTEMS, INC. STAFFING**

Title	Name	Certifications	Years AT USI
President / Transportation Engineer	Alison Catarella Michel	P.E., PTOE, PTP <sup>^</sup> , RSP <sub>2i</sub>	23
Vice President / Transportation Engineer	Nicole H. Stewart	P.E., PTOE	18
Civil / Transportation Engineer	Christine M. Darrah	P.E.	9
Transportation Engineer	Matthew H. Morgan	P.E.	13
Transportation Engineer	Fadi Madi	P.E	2
Traffic Engineer Intern	Connor M. Crow	E.I	<1
CAD Designer	Kim T. Pham		36

## **URBAN SYSTEMS, INC. WORK EXPERIENCE**



### **TRAFFIC SIGNAL DESIGN**

Our traffic signal design experience includes a broad range of projects involving the planning and design of intersections and their associated signalization requirements. We understand that the proper application, design, installation, and operation of traffic signals is critical to the safe and orderly movement of traffic. Urban Systems has provided signal design services for the multiple agencies in the region and understands the differences in their design policies. Many of the projects we have completed required inter-agency coordination.

In providing signal design services, various supporting services are required to accomplish project objectives. Our traffic signal designs have included:

- Timing and phasing for both vehicles and pedestrians
- Interconnect layouts, both hardwire and fiber optic
- Signage plans and pavement marking layouts
- Sequence of construction with traffic control device plans and temporary signal designs
- Provisions for emergency and railroad preemption systems in the signal design
- Railroad crossing preemption

Urban Systems can prepare design packages for both state and/or municipalities. Our staff has completed numerous projects involving the design of new traffic signal and/or modifications to existing signals, inclusive of railroad crossings. This experience includes isolated intersections, coordinated signal systems and downtown grid systems. Specifically, our experience in the design of intersections includes data collection; traffic signal warrant and capacity analysis; complete computerized signal system design including timing for both vehicle and pedestrians, phasing and coordination; interconnect layouts, both hardwire and fiber optic; geometric design including storage length calculations.



### **CYCLING AND PEDESTRIAN**

Cycling and Pedestrian usage of the roadway system is increasing with the growing awareness of the need and desire for alternate transportation methods, as well as for recreational use. Urban Systems has been dealing with the needs of these alternate modes of transportation for over many years. It is especially necessary to prepare travel lanes for cyclists. Our experience ranges from pedestrian safety analysis at specific locations and/or intersections, development of pedestrian/bicycle multi-use paths, to development of planning manuals to assist jurisdictions in developing pedestrian projects. Our experience in traffic calming projects also compliments the development of pedestrian and bicyclist safety related projects.

#### **Warrant Analysis**

- Preparing Traffic Signal Warrant Analysis, typically using PC Warrants software
- Conducting warrants for left and/or right turn lanes
- Calculating storage length requirements for turn lanes

#### **Intersection/Corridor Analysis**

- Preparing Capacity Analysis using software tools **Synchro**, **Vistro**, and/or **Highway Capacity Software**
- Developing coordinated timing plans to optimize the signal phasing and timing and platoon progression along a corridor using **Synchro**, and/or **Tru Traffic**
- Creating microscopic simulation models to analyze corridor operations, proposed timing plans and assess travel times and delays using **CORSIM** and/or **VISSIM**



**ACCESS MANAGEMENT**

Urban Systems has extensive experience in evaluating various types of roadway corridors and utilizing the various techniques associated with deploying an access management plan. Access management techniques are designed to improve safety, manage congestion, and increase the capacity of roads. These include:

- Median treatments
  - Raised medians that prevent movements across a roadway
  - Restricted median openings to provide efficient operations
- Increasing spacing between signals and interchanges
- Driveway spacing
- Cross access between developments to reduce the number of driveways
- Use of exclusive turning lanes to remove turning vehicles from the through lanes
- Use of service and frontage roads
- Land use policies that limit right-of-way access to highways

Benefits can include improved movement of through traffic, improved safety and reduce vehicle conflicts. With more functional and improved flow, environmental benefits can be reduced fuel consumption and improved air quality on heavily traveled corridors.



**INTERSECTION AND INTERCHANGE DESIGN**

Urban Systems has completed the design of intersections/interchanges for a broad range of projects. These types of projects include:

- Interchanges on major highway and interstate corridors
- Intersection/interchange planning to support surrounding land-use development
- Highway and roadway corridor extensions and widening projects
- Local major arterial corridor/roadway design, which includes new and modified intersections
- Traffic operations assessments and enhancements of local and state major arterial corridors to alleviate traffic congestion
- Specific intersection improvements for the improvement of safety, capacity and efficiency
- Commercial/Retail/Industrial developments requiring new intersections to adjacent arterials for site ingress and egress
- Residential single family and multi-family developments requiring new intersections to adjacent arterials for site ingress and egress



**QUALITY ASSURANCE**

Urban Systems maintains a Quality Assurance Manual as part of our corporate policies. The manual delineates quality assurance guidelines and review policies and procedures to ensure adequate technical review and checking of plans, specifications and reports produced by USI staff for compliance with state, national and local standards.

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

Signature: Alison C Michel

Print Name: Alison C Michel

Title: President/Transp Engr

Date: 8.29.24



**Section V**  
**Reference Letters**  
**TEC From**



# *The City of Slidell*

Post Office Box 828 • Slidell, Louisiana 70459  
Telephone (985) 646-4330 Fax (985) 641-9528  
tmathison@cityofslidell.org

**TIMOTHY MATHISON**  
*Chief Administrative Officer*

**FREDDY DRENNAN**  
*Mayor*

14 July 2017

Re: Infinity Engineering Consultants, LLC

To Whom It May Concern:

I am writing on behalf of Infinity Engineering Consultants, whom has provided engineering design and construction administration services to the City of Slidell on various projects.

Over the last few years, we have utilized Infinity for the design of two roadway improvement projects, Kostmayer Avenue Mill and Overlay, and Sgt. Alfred Drive Roadway Improvements. Both of these projects were important improvements to the quality of life for the citizens of Slidell.

For the Kostmayer Avenue project, Infinity was tasked with the rehabilitation of approximately a half mile of roadway. The improvements were to the roadway and associated drainage and sidewalks. Infinity's designs and schedule took into consideration a school located nearby, and all construction was done to minimally interfere with the school schedule and traffic.

Sgt. Alfred Drive was in need of paving repairs along a stretch of just over a mile of the roadway. Infinity's designs included the repair of asphalt and concrete, manhole cover adjustments and drop inlet grates.

Both of these roadway projects were completed on time and within budget. Infinity's employees were professional, knowledgeable, and a pleasure to work with. They were responsible with the budget and cognizant of the needs of the City throughout both projects. I would recommend Infinity for their design capabilities, as well as their professional approach to project management.

Sincerely,

Tim Mathison, C.A.O.

TM/et



# *St. Bernard Parish Government*

8201 West Judge Perez Drive Chalmette, Louisiana 70043  
(504) 278-4227 Fax (504) 278-4330  
[www.sbpq.net](http://www.sbpq.net)

**Guy McInnis**  
*Parish President*

December 14, 2023

Re: Infinity Engineering Consultants, LLC

To Whom It May Concern:

I am writing on behalf of Infinity Engineering Consultants, LLC, who provided engineering design and construction administration services to the St. Bernard Parish Government Department of Public Works. In 2015, the Parish initiated a system-wide waterline improvement program funded by the Louisiana Department of Health and Hospitals (LDHH) Drinking Water Revolving Loan Fund. This program included the replacement of old cast-iron water potable water pipes with new PVC waterlines.

As part of this program, St. Bernard Parish contracted with Infinity to provide complete engineering services for the Carolyn Park Waterline Replacement project. Infinity was tasked with the design of approximately 1 ½ miles of waterline along Center Street and several of the surrounding streets, this work also included removal and replacement of concrete and asphaltic concrete roadway and sidewalk and driveway replacement. They were also involved with maintaining access to all residents throughout the duration of the project.

Infinity completed this critical, fast-paced project within the guidelines of the LDHH Drinking Water Revolving Loan requirements. Their staff were professional, knowledgeable, and a pleasure to work with. They were responsible with the budget and cognizant of the needs of the Parish. I would recommend Infinity for their design capabilities, as well as their professional approach to project management.

Sincerely,

A handwritten signature in blue ink, appearing to read "G. McInnis", is written over a faint, larger version of the same signature.

Guy McInnis  
Parish President  
St. Bernard Parish Government



June 19, 2018

Re: Infinity Engineering Consultants, LLC

To Whom It May Concern:

The Regional Transit Authority (RTA), as a political subdivision of the state of Louisiana, owns and operates (via Transdev) buses and streetcars in New Orleans area. In addition, the RTA and Transdev also operate all Mississippi River ferries in the New Orleans metropolitan area, including the Canal Street Terminal ferry that primarily connects riders to the Algiers Ferry Terminal on the opposite bank of the river. For many years, the ferry was used for transporting cars, bikes, and walkers. The current ferry use is limited to walkers and bikes only.

The RTA/Transdev have contracted with many Architectural and Engineering firms for various projects including streetcar expansions, rail modifications and repairs, bus and rail shelters/depots, and office buildings. We have worked with Infinity Engineering Consultants (Infinity) for several years on all of these types of projects. Due to our past experiences with them, and their vast experience providing detailed design of multiple river structures, we selected Infinity to perform the design of the new Canal Street Ferry Terminal.

Infinity provided the design of all dock structural components, including river and land piles, decks and foundations, terminal demolition, civil plans and utility re-locations, electrical, and mechanical components.

The location of the ferry terminal (the foot of Canal Street in New Orleans downtown area) and the fact that the ferry service is a primary source of transportation for many residents of New Orleans makes this project a major capital improvement project for the RTA and the City of New Orleans. Our experience with Infinity has been very positive and we have confidence in their ability to complete this high-profile project, as required.

I would highly recommend Infinity Engineering Consultants for projects requiring any riverfront developments.

Please do not hesitate to contact me at 504.827.8393 or via email at [martin.pospisil@transdev.com](mailto:martin.pospisil@transdev.com) should you have any questions about this letter.

Sincerely,

Martin Pospisil, EUR ING  
Director of Infrastructure  
Transdev North America – In Service to the RTA  
2817 Canal Street  
New Orleans, LA 70119