



## Electrical Engineering Services for Miscellaneous Street Lighting



Professional Electrical  
Engineering Services for  
Miscellaneous Street  
Lighting and Other Electrical  
Related Work  
SOQ 24-026  
Resolution No. 144425

### 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 6, 2024

# Infinity Engineering Consultants



## Letter of Interest

### Louisiana Registered Engineering Firm Number

Infinity Engineering Consultants, LLC.

EF. 0001309

Tax ID: 200836083

### Office Location

4001 Division Street  
Metairie, LA 70002  
p. (504) 304-0548

### Contact Persons



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



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

September 5, 2024

Mark Buttery  
Purchasing Specialist II  
200 Derbigny Street, Suite 4400  
Gretna, LA 70053

Re: Professional Electrical Engineering Services for  
Miscellaneous Street Lighting Projects and Other  
Electrical Related Work Throughout Jefferson Parish  
Resolution No. 144425

Infinity Engineering Consultants, LLC is pleased to present our firm's proposal and qualifications to Jefferson Parish to provide as-needed electrical engineering services for miscellaneous street lighting projects. Upon reading the published request for proposal, we believe Infinity's team meets and exceeds the necessary qualifications to undertake any assigned electrical engineering project involving street lighting.

### Understanding of Scope & Firm Qualifications

Infinity Engineering understands the scope of work to entail providing electrical engineering services on an as-needed basis around Jefferson Parish for the improvements to street lighting systems, as well as other electrical related work. Infinity is well acquainted with providing street lighting electrical engineering services, as well as serving on an as-needed contract. Previously, Infinity provided electrical engineering designs for the following roadway lighting improvement projects:

- Bainbridge Canal Closure & Roadway Improvements
- Glenwood Drive Street Lights
- Canal Street/City Park Avenue Transportation Enhancements
- Jones Creek Roadway Lighting Design
- South Galvez Street Lighting Improvements
- Causeway Boulevard Street Lighting Design

As a multi-disciplinary firm, Infinity's engineers are able to produce designs in open collaboration from project inception through construction completion. Infinity Engineering is ready to provide, if called upon, the following services to Jefferson Parish:

- Electrical Engineering Services
- Advanced Measurements
- Resident Inspection
- Construction Administration
- Civil Engineering Services
- Structural Engineering Services
- Mechanical Engineering Services

Infinity is proud of our reputation as being honest, reliable, and capable. Pertinent resumes and project examples for the entire team are contained with out Infinity's TEC form. 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 30 years of engineering experience
  - Principal partner William Thomassie, P.E. holds 20 years of responsible charge in 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 services in the State of Louisiana

### **Documents Enclosed**

- Letter of Interest
- Infinity TEC Questionnaire
- Letters of Recommendation

### **Closing**

Infinity takes pride in the engineering consulting and construction administration services we have provided to infrastructure projects throughout Jefferson Parish. We are confident that we have assembled a team of design professionals that can effectively and efficiently execute the required electrical engineering services for street lighting and backup generator projects. We respectfully request the Evaluation Committee to select Infinity Engineering Consultants for the list to provide miscellaneous electrical engineering so together we can continue to work to enhance our Jefferson Parish communities.

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

Sincerely,

A handwritten signature in blue ink that reads "Raoul V. Chauvin, III". The signature is fluid and cursive, with the "III" at the end being clearly legible.

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

## TEC Professional Services Questionnaire

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

#### **Professional Electrical Engineering Services for Miscellaneous Street Lighting Projects and Other Electrical Related Work Throughout Jefferson Parish**

Resolution No. 144425

SOQ 24-026

### B. Firm Name & Address where Project work will be performed:

#### **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.

#### **John Lawrence, P.E.**

Electrical Engineering Manager

504-304-0548

jlawrence@infinityec.com

### 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>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> TOTAL                        |

### 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.**

| <b>Name &amp; Address:</b> | <b>Specialty:</b> | <b>Worked with Firm Before (Yes or No):</b> |
|----------------------------|-------------------|---|
| 1.<br>N/A                  |                   |   |
| 2.                         |                   |   |
| 3.                         |                   |   |
| 4.                         |                   |   |
| 5.                         |                   |   |
| 6.                         |                   |   |

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

**10** total Infinity personnel could assist in the design of any assigned roadway lighting 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. 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:**

**John Lawrence, P.E.**  
Electrical Engineering Manager

**Project Assignment:**

Project Manager  
Electrical Engineering Manager

**Name of Firm with which Associated:**

Infinity Engineering Consultants, LLC.

**Years' experience with this Firm:**

2

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

Bachelor of Science / 1990 / Electrical Engineering

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

Professional Engineer – Electrical Engineering  
LA / 1998 / Electrical

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

Mr. Lawrence holds over 33 years of experience in electrical engineering, project management, quality control and supervision of electrical design. Over the years, Mr. Lawrence has worked on numerous projects involving the installation of generators, lighting, and instrumentation. Mr. Lawrence's electrical engineering expertise comes a vast knowledge of power and control systems, SCADA technology, and electrical instrumentation for a wide range of utility infrastructure.

#### Jones Creek Rd Lighting – Baton Rouge, LA

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**.

#### St. Bernard Port New Generator Installation – Chalmette, LA

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.

#### Jefferson Parish Water Department New Electrical Generators – Marrero, LA

Project manager for the design to upsize **new backup generators from 750kW to 1MW** to provide 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 tank by a new transfer valve.

#### Avondale Lift Station Backup Generator Addition – Avondale, LA

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.

#### St. Bernard Port New Generator Installation – Chalmette, LA

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.

## TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:  |
|--|
| <b>Name &amp; Title:</b>   |
| <b>Matthew Torres, P.E.</b><br>Electrical Project Engineer   |
| <b>Project Assignment:</b>   |
| Electrical Project Engineer  |
| <b>Name of Firm with which Associated:</b>   |
| Infinity Engineering Consultants, LLC.   |
| <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<br>LA / 1998 / Electrical   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |
| <p>Mr. Torres holds a Bachelor of Science in Electrical Engineering from Louisiana State University. Mr. Torres' previous experience includes large-scale capital projects in the oil &amp; gas industry, nuclear power plants, and laboratory facilities. His electrical engineering focus is Power Systems and is proficient in power distribution design, specifying equipment, electrical system studies, and arc flash calculations.</p> <p><b><u>Avondale North Sewer Lift Station Generator – Avondale, LA</u></b><br/>Lead electrical engineer responsible for the generator and power system replacement design for the lift station. Project tasks included <b>generator and electrical equipment sizing calculation</b>, development of engineering design package including one line and equipment drawing, equipment specifications, scope of work, and coordination with other disciplines.</p> <p><b><u>Upper Barataria Risk Reduction Barge Gate Electrical Design</u></b><br/>Lead electrical engineer responsible for the electrical design and construction documents for a new 270-foot barge gate structure as part of the US Army Corps of Engineers 30-mile levee/floodwall improvements. The electrical design elements for the gate include <b>electric utility service</b>, stand-by-generator, navigational aids, power distribution, and controls. These designs included all electrical systems including conductors, transformers, electrical distribution equipment, and transfer switches.</p> <p><i>Previous Experience (Fluor Government Group)</i><br/> <b><u>NuScale Small Modular Reactor Standard Plant Design – Houston, TX</u></b><br/>Project engineer working with a team of multiple disciplines to develop the standard design for 460MWe NuScale Power Module Plant. The plant was to utilize six NuScale Power Modules to achieve 460Mwe and be capable of Black Start and Island Mode Operation. Responsibilities were identifying all electrical loads in Turbine Island and creating a load list, development of process control narratives for medium and high voltage system, <b>Grounding study for a 230kV switchyard</b>, and putting together RFQ packages.</p> <p><b><u>Surplus Plutonium Disposition Project – Savannah River Nuclear Site, SC</u></b><br/>Project engineer responsible for lighting and small power for the design of the Surplus Plutonium Disposition project. The project was to add three gloveboxes to the laboratory facility to increase processing capacity for down blending of the 34 metric tons of excess plutonium stored at the Savannah River Site. Tasks included developing a schedule for my engineering package and managing the budget. Oversaw a small team of electrical and structural engineers to develop the <b>lighting and small power systems</b> for the laboratory. This was a meticulous task to ensure all nuclear safety requirements were achieved and all calculations were performed to back them up.</p> <p><b><u>POTBA LyondellBasell – Houston, TX</u></b><br/>Project engineer working on a multidiscipline project team for the EPC of a \$3.1B plastics facility for LyondellBasell. The electrical system design for this plant consisted of a 138kV switchyard and eight substations for the distribution of power at 13.8kV, 4.16kV, and 480V. Responsibilities were maintaining the electrical load list throughout the project, one line development, cable schedules, equipment list, RFQ &amp; PO packages, elementary diagrams, vendor drawing review, factory acceptance testing, electrical system, and <b>arc flash studies</b>.</p> |

## TEC Professional Services Questionnaire

| KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:   |
|---|
| <b>Name &amp; Title:</b>  |
| <b>Bart Lacombe</b><br>Electrical Project Designer  |
| <b>Project Assignment:</b>  |
| Electrical Project Designer<br>Electrical Lighting  |
| <b>Name of Firm with which Associated:</b>  |
| Infinity Engineering Consultants, LLC.  |
| <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><u><b>Jones Creek Rd Lighting – Baton Rouge, LA</b></u><br/>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><u><b>Jefferson Parish Government Causeway Boulevard Street Lighting – Metairie, LA</b></u><br/>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><u><b>LSU Science Zone Utility Infrastructure Improvements – Baton Rouge, LA</b></u><br/>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><u><b>Dillard University Campus Improvements – New Orleans, LA</b></u><br/>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><u><b>Plaquemines Parish Harbor of Refuge – Empire, LA</b></u><br/>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>William J. Thomassie, P.E.</b><br>Principal Partner<br>(Civil Engineer)   |
| <b>Project Assignment:</b>   |
| Principal-in-Charge;<br>Civil/Structural Engineering Advisor   |
| <b>Name of Firm with which Associated:</b>   |
| Infinity Engineering Consultants, LLC.   |
| <b>Years' experience with this Firm:</b>   |
| 20   |
| <b>Education: Degree(s)/Year/Specialization:</b>   |
| Bachelor of Science / 1992 / Civil/Structural Engineering  |
| <b>Active registration: Year first registered/discipline:</b>  |
| Professional Engineer – Civil Engineering<br><div style="display: flex; flex-wrap: wrap; justify-content: space-around; margin-top: 5px;"> <div style="text-align: center;">AL / 2009 / Civil</div> <div style="text-align: center;">AR / 2016 / Civil</div> <div style="text-align: center;">IA / 2018 / Civil</div> <div style="text-align: center;">IL / 2018 / Civil</div> <div style="text-align: center;">IN / 2018 / Civil</div> <div style="text-align: center;">KY / 2018 / Civil</div> <div style="text-align: center;">LA / 1997 / Civil</div> <div style="text-align: center;">MI / 2018 / Civil</div> <div style="text-align: center;">MN / 2018 / Civil</div> <div style="text-align: center;">MS / 2006 / Civil</div> <div style="text-align: center;">OH / 2006 / Civil</div> <div style="text-align: center;">PA / 2007 / Civil</div> <div style="text-align: center;">TN / 2018 / Civil</div> <div style="text-align: center;">TX / 2002 / Civil</div> <div style="text-align: center;">WV / 2004 / Civil</div> </div>   |
| <b>Other experience and qualifications relevant to the proposed Project:</b>   |
| <p><b><u>Canal Street/City Park Avenue Transportation Hub Enhancements – New Orleans, LA</u></b><br/> 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.</p> <p><b><u>N. Galvez Street Reconstruction – New Orleans, LA</u></b><br/> Project manager for the roadway repair and replacement and all utility improvements designs for 5,000 lf of subsurface utilities on a major thoroughfare. Infinity designed the roadway, subsurface drainage, plans and profile, and sidewalk and driveway reconstruction.</p> <p><b><u>Regional Transit Authority Canal Street to UPT Streetcar Expansion – New Orleans, LA</u></b><br/> Project Manager for the RTA expansion of the streetcar line, specifically involving the Loyola Avenue line that will connect Canal Street and the Union Passenger Terminal. Supervised construction drawings, record specifications, and identification of utility conflict and design.</p> <p><b><u>City of New Orleans Mid-City Street Repairs – New Orleans, LA</u></b><br/> Principal engineer for the identification and quantification of Hurricane Katrina 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.</p> <p><b><u>Bannerwood Drainage Improvements – Timberlane, LA</u></b><br/> Project manager for the engineering design for drainage improvement the ¾ 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 street, driveways, sidewalks, and utilities.</p> <p><b><u>Kostmayer Ave. Resurfacing and Drainage Improvements – Slidell, LA</u></b><br/> Project manager for the roadway repair and replacement design and all utility improvements. The project included asphalt mill and overlay of 3,300 linear feet of street, including striping, drainage improvements, street alignment, and ADA compliant ramps.</p> |

## TEC Professional Services Questionnaire

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

**Name & Title:**

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

**Project Assignment:**

Civil/Structural Engineering Manager

**Name of Firm with which Associated:**

Infinity Engineering Consultants, LLC.

**Years' experience with this Firm:**

9

**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:**

As Infinity's Civil Engineering Manager, Mr. Contreras partners with Infinity's Project Engineers to ensure every design and deliverable is executed effectively and on time. With over 27 years of civil engineering and project management experience, Mr. Contreras holds expertise in the following relevant specialties: Roadway Design; Infrastructure Assessment; Multi-Model Complete Street Design; and Roadway Drainage Design. Additionally, Mr. Contreras holds the following certifications: LaDOTD Traffic Control Supervision and Technician; American Traffic Safety Services Association Certification.

**West Metairie Avenue Rehabilitation – 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 to West Metairie Ave. 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 embankments of the canal.

**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.

**Bainbridge Canal Closure & Roadway Improvement – 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.

**Sgt. Alfred Drive Roadway Improvements – Slidell, LA**

Project Manager for the engineering paving design for of approx. 6,000 linear feet of asphalt and concrete repairs, which included elevation adjustments of manhole covers, striping, and crosswalks.

**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.

**Westgate Roadway and 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:   |
|---|
| <b>Name &amp; Title:</b>  |
| <b>Rodney Ziegler</b><br>Resident Inspector   |
| <b>Project Assignment:</b>  |
| Construction Resident Inspector   |
| <b>Name of Firm with which Associated:</b>  |
| Infinity Engineering Consultants, LLC.  |
| <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>N. Broad Street Underpass Pumping Station - New Orleans, LA</u></b><br/>           Performed all resident inspection duties 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 replacement of one 12" trash pump including pump stand, shaft, intermediate pillow block guide bearings, couplings and bearing support channels</li> <li>Removal and replacement of all discharge piping 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>Read Blvd. East Group C Complete Street Reconstruction</u></b><br/>           Performed all resident inspection duties for eight blocks of complete street reconstruction. 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><br/>           Resident Inspector for replacement of existing water line 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>St. Roch North Roadway Repairs – RR176 - New Orleans, LA</u></b><br/>           Provided resident inspection for this roadway repair project. 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:  |                                      |
|--|---|--------------------------------------|
| <b>Bainbridge Canal Closure &amp; Roadway Improvements</b><br>Kenner, LA<br><br>Jefferson Parish Government<br>Prime: Meyer Engineers<br>David Dupre<br>985-727-2282 | <p>The relocation of the Louis Armstrong New Orleans International Airport terminal to the North has significantly increased traffic through several key intersections adjacent to the airport. To alleviate the traffic congestion within the area, Jefferson Parish has decided to install a box culvert within an existing ditch to create a new roadway for vehicular traffic through the project area. Infinity is a part of the design team for this project; providing electrical engineering services specifically to address <b>new street lighting</b>, as well as civil engineering for a new lift station and 20" waterline offset.</p> <p>The new roadway section requiring lighting is approximately 3,500'. Each side of the new road will be two lanes separated by a median to enclose the new box culvert. Each side of the new road will require pole lights, for a total of 7,000'. Infinity's electrical engineering responsibilities have included:</p> <ul style="list-style-type: none"> <li>• Design of the demolition of the existing street lighting on the existing service poles</li> <li>• Design of the <b>service coordination and tie in from existing Entergy service poles</b></li> <li>• Design of the electrical protection via <b>new switchrack(s)/ controller(s)</b></li> <li>• Design of the power distribution via underground directionally bored conduits</li> </ul> <p>The 27th St. and Bainbridge St. Sewer Lift Station designs included the removal and replacement of concrete roadway panels, sewer lift station installation and appurtenances, electrical controls and connection, canal aerial crossing, and converting existing sewer siphon wet well. Once constructed, the existing pavement grades will be maintained, and new pavement will be designed to match existing grades.</p> |                                      |
| Completion Date (Actual or estimated):   | Estimated Cost:   |                                      |
|  | Entire Project:   | Work for which Firm was Responsible: |
| 100% Designs Submitted for Review  | \$26,450,000  | \$2,750,000                          |

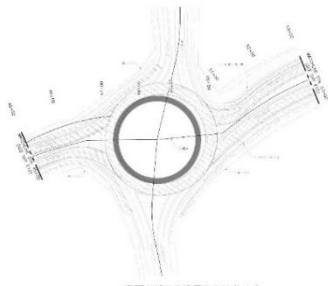
### PROJECT NO. 2

| Project Name, Location and Owner's contact information:   | Nature of Firm's Responsibility:   |                                      |
|---|--|--------------------------------------|
| <b>Glenwood Street Lights</b><br>Metairie, LA<br><br>Jefferson Parish Government<br>1221 Elmwood Park Blvd., #802<br>Jefferson, LA 70123<br>Ryan Breaux<br>504-736-6500 | <p>Infinity was the prime consultant for the establishment of street lighting on 1,900 linear feet of Glenwood Drive between Metairie Road and Fairmont Drive. Prior to this project, no streetlighting existed along Glenwood Drive.</p> <p>The designs included decorative metal poles in a historic style with a single "acorn" LED luminaire at its top, <b>Power Distribution System</b> with wiring diagrams and panelboard schedules, conduit and cable callouts, and a <b>photometric analysis to determine the appropriate spacing</b>. Designs also included feasibility assessments to determine the best source of power from three potential feeder locations.</p> <p>Beyond providing schematic and final designs, Infinity assisted with bid solicitation and construction administration. Infinity conducted this project as part of the firm's As-Needed Electrical Engineering contract with Jefferson Parish.</p> |                                      |
| Completion Date (Actual or estimated):  | Estimated Cost:  |                                      |
|   | Entire Project:  | Work for which Firm was Responsible: |
| Completed 11/2021   | \$190,100  | \$190,100                            |



## TEC Professional Services Questionnaire

| PROJECT NO. 3  |   |   |
|--|---|---|
| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:  |   |
| <p><b>Canal Street/City Park Avenue Transportation Hub Enhancements</b><br/>New Orleans, LA</p> <p>Regional Transit Authority<br/>Stephen Mitchell<br/>Darrell LaFrance<br/>504-827-8393</p> | <p>As the prime consultant for the final phase of the Canal Streetcar Line refurbishment, 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. 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. The new alignment <b>improved traffic flow by adding proper signalization</b> along City Park Avenue and Canal Boulevard; serving over 50,000 cars, buses, trucks, streetcars, and pedestrians every day.</p> <p>Infinity's electrical engineering designs included:</p> <ul style="list-style-type: none"> <li>• <b>Decorative Street Lighting Power</b></li> <li>• Track Power and Support poles (catenary system)</li> <li>• Underground Utility Relocation Design,</li> <li>• Terminal <b>lighting protection systems</b></li> <li>• Project Management</li> </ul> |  |
| Completion Date (Actual or estimated):   | Estimated Cost:   |   |
|  | Entire Project:   | Work for which Firm was Responsible:  |
| Completed: Jan. 2018   | \$9,900,000   | \$9,900,000   |

| PROJECT NO. 4  |   |   |
|--|---|---|
| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:  |   |
| <p><b>Jones Creek Roadway Lighting Design</b><br/>Baton Rouge, LA</p> <p>Baton Rouge Department of Public Works<br/>Prime: CSRS<br/>Daniel Marks, P.E.</p> | <p>As part of the MOVEBR program, Infinity has been providing electrical engineering designs for the roadway lighting along Jones Creek in Baton Rouge, LA. The Jones Creek Road project is a greenfield project connecting Tiger Bend Road and Airline Highway, crossing Jefferson Highway (approximately 1.4 miles).</p> <p>Infinity has been assigned the design of the area lighting for the road along its full length. Once constructed the roadway will be illuminated through uniformly spaced masts within the center median. As this is a greenfield project and the entire site has yet to start development, Infinity's designs call for the <b>electrical grid power</b> to be established along both sides of the new four-lane road.</p> <p>Into the project's design process, it was decided that to facilitate construction of a portion of the project, the Jones Creek Road project was separated into a separate package. Infinity has begun the design process to separate the packages to provide the designs necessary for the proposed <b>traffic circle and to incorporate additional lighting for the sidewalk and pedestrian crossing</b>. Throughout the design process, Infinity has ensured the firm's electrical engineering designs has been in accordance with MOVEBR Design Guidelines.</p> |  |
| Completion Date (Actual or estimated):   | Estimated Cost:   |   |
|  | Entire Project:   | Work for which Firm was Responsible:  |
| Initial Design Completed<br>Roundabout Lighting 90% Completed – 9/2023 (E)   | N/A   | \$2,000,000   |

## TEC Professional Services Questionnaire

| PROJECT NO. 5   |  |   |
|---|--|---|
| Project Name, Location and Owner's contact information:   | Nature of Firm's Responsibility:   |   |
| <p><b>South Galvez Street Lighting Improvements</b><br/>New Orleans, LA</p> <p>City of New Orleans Department of Public Works<br/>1300 Perdido St., Ste. 6W03<br/>New Orleans, LA 70112<br/>Josh Hartley<br/>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> |   |
| <p><b>Completion Date (Actual or estimated):</b></p> <p>Completed 2018</p>  | <b>Estimated Cost:</b>   |   |
|   | <b>Entire Project:</b>   | <b>Work for which Firm was Responsible:</b> |
|   | \$4,800,000  | \$2,000,000                                 |

| PROJECT NO. 6  |   |   |
|--|---|---|
| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:  |   |
| <p><b>New Orleans East Hospital Expansion – Electrical Engineering</b><br/>New Orleans, LA</p> <p>Parish Hospital Services<br/>District A<br/>5620 Read Blvd.<br/>New Orleans, LA<br/>Karl Warner<br/>504-592-6875</p> | <p>The Methodist Hospital remodeling included the addition of an approximately 193,000 sqft, three-story structure to the existing six-story East Tower, designed using Revit. Infinity provided civil, mechanical, and <b>electrical designs</b> for ambulatory/emergency services, patient care, surgery, critical care, imaging, and associated support services. Site work included revisions to existing surface parking areas and new public utility entrances.</p> <p>Electrical designs included transformers, switches, parking area and <b>helipad lighting and controls</b>, which included the underground electrical utility and switchgear. The parking area included the design of new high mast metal halide fixtures, new conductors, new conduit, and associated electrical feeders. Infinity also provided the design for all low voltage (CT, IT, nurse call, telephone, and fire alarm) electrical systems for the new facility.</p> |   |
| <p><b>Completion Date (Actual or estimated):</b></p> <p>Completed: 2014</p>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
|  | \$68,000,000  | \$13,600,000                                |

## TEC Professional Services Questionnaire

| PROJECT NO. 7  |  |                                      |
|--|--|--------------------------------------|
| Project Name, Location and Owner's contact information:  | Nature of Firm's Responsibility:   |                                      |
| <b>Dillard University Campus Improvements</b><br>New Orleans, LA<br><br>Dillard University<br>2601 Gentilly Blvd.<br>New Orleans, LA 70122<br>504-816-4375 | <p>As the prime consultants, Infinity provided civil, structural, mechanical, and electrical engineering designs for the improvements and upgrades to multiple systems throughout the Dillard University campus. The projects ranged from civil road work to electrical lighting and low voltage communications systems.</p> <p>The new guard shack was built on a new foundation slab and automated for Wi-Fi, HVAC, and CCTV. <b>Campus site lighting was installed</b> under the oaks at the front of the university campus and a <b>new circuit from the guard shack provides underground power to each fixture.</b> Campus site security designs included the installation of a security intelligence system campus wide, point to point communication via a new fiber optic loop around campus, new intelligence system, card access to walking gates with new camera surveillance, and cameras at guard booths including a license plate reader camera at each booth.</p> |                                      |
| Completion Date (Actual or estimated):   | Estimated Cost:  |                                      |
|  | Entire Project:  | Work for which Firm was Responsible: |
|  | Completed 2020   | \$1,185,000                          |



| PROJECT NO. 8   |  |                                      |
|---|--|--------------------------------------|
| Project Name, Location and Owner's contact information:   | Nature of Firm's Responsibility:   |                                      |
| <b>Louisiana State University Science Zone Infrastructure Improvements</b><br>Baton Rouge, Louisiana<br><br>Washington Parish Government<br>805 Pearl Street<br>Franklinton, LA 70438<br>985-839-7825 | <p>Infinity is the prime consultant providing schematic designs for strategic utility improvements to the Science Zone of Louisiana State University's Baton Rouge campus. The infrastructure improvements are being implemented to support the new Interdisciplinary Science Building (ISB) currently in design to replace the existing Dairy Science building, as well as renovations to the Food Science building.</p> <p>Once constructed, Infinity's designs expand chilled water capacity to serve the new ISB as well as future construction within the Science Zone. To provide the additional capacity, the <b>complete roadway replacement</b> of approximately three campus blocks is required. As part of schematic design, repairs to or replacement of all utilities within the proposed construction area were considered.</p> <p>The project's electrical scope includes conversion from 4.16kV power distribution to 13.8kV to serve the new ISB. With this change, sectionalizers will be replaced and <b>new feeders will be installed by directional drilling.</b> Telecommunications scope is also in development to remove and relocate existing services from the footprint of the new ISB.</p> |                                      |
| Completion Date (Actual or estimated):  | Estimated Cost:  |                                      |
|   | Entire Project:  | Work for which Firm was Responsible: |
|   | Under Construction   | \$10,600,000                         |



## 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>Washington Parish<br/>Emergency Operations<br/>Center</b><br/>Franklinton, Louisiana</p> <p style="text-align: center;">Washington Parish<br/>Government<br/>805 Pearl Street<br/>Franklinton, LA 70438<br/>985-839-7825</p> | <p>For this FEMA-funded project, Infinity provided structural, mechanical, and electrical engineering and related construction administration for the 400' tower and Emergency Operations Center. Infinity also provided mechanical, plumbing, fire protection, electrical, and structural engineering, and related construction administration for the 5,000 sq ft steel and pre-cast concrete building including the design of steel framing, pre-cast wall system, and foundation.</p> <p>Designs also included <b>SCADA systems to monitor normal, emergency generator, and uninterruptable power.</b> Electrical design also included:</p> <ul style="list-style-type: none"> <li>Normal utility power at 480Y/277 VAC</li> <li>3 phase, 4 wire system 400 Amperes</li> <li><b>400 Ampere automatic transfer switch (ATS)</b></li> <li>60 kW, 480/277 VAC</li> <li><b>Diesel power generator and 50kW uninterruptable power supply (UPS)</b> for instantaneous supply of the radio, communications, data, and other critical equipment at the facility.</li> </ul> |   |
| <p style="text-align: center;">Completion Date (Actual or estimated):</p>  | <b>Estimated Cost:</b>  |   |
|  | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| Completed: 2013  | \$2,950,000   | \$1,327,000                                 |

| PROJECT NO. 10  |   |   |
|---|---|---|
| Project Name, Location and Owner's contact information:   | Nature of Firm's Responsibility:  |   |
| <p style="text-align: center;"><b>Jefferson Parish Water<br/>Department New Electrical<br/>Generators</b><br/>Marrero and Lafitte, LA</p> <p style="text-align: center;">Jefferson Parish Government<br/>Sidney Bazley<br/>504-736-6060</p> | <p>Infinity is the prime consultant for the <b>design and installation of new backup power generators</b> for two Jefferson Parish water plants, one in Marrero, LA and the other in Lafitte, LA. Additional to the electrical engineering designs, through commissioning of the generators, Infinity will be providing construction administration services.</p> <p>For the Marrero Water Facility, Infinity's electrical engineering designs include:</p> <ul style="list-style-type: none"> <li>Two new 1MW diesel generators to replace the existing backup power sources</li> <li>New diesel day tank to work in conjunction with the existing 20,000-gallon diesel fuel system</li> <li>New feeders leading from the switch gear to the new generators</li> <li><b>Updated operation controls and SCADA system</b></li> </ul> <p>For the Lafitte Water Facility, Infinity's electrical engineering include:</p> <ul style="list-style-type: none"> <li>Removal of the existing diesel generator and belly tank</li> <li>New Caterpillar 240kW generator with <b>three-day diesel belly tank</b></li> <li>Reconnecting existing electrical appurtenances to the new generator</li> </ul> |   |
| <p style="text-align: center;">Completion Date (Actual or estimated):</p>   | <b>Estimated Cost:</b>  |   |
|   | <b>Entire Project:</b>  | <b>Work for which Firm was Responsible:</b> |
| Under Construction<br>Estimated Completion: 12/24   | \$2,200,000   | \$2,200,000                                 |



## **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.**

### **Project Scope & Understanding**

Infinity Engineering Consultants (Infinity) is proud to present our qualifications to provide professional engineering services for miscellaneous street lighting projects. Our multidisciplinary team holds immense experience in roadway and traffic enhancement design. We understand this RFQ seeks to establish a qualified group of professional engineering firms to deliver as-needed engineering services for street lighting projects. Having served on many various Jefferson Parish routine engineering services contracts, we believe Infinity is well positioned to carry out any potentially assigned engineering projects for street lighting improvements.

Infinity's staff holds extensive experience with projects across the Gulf Coast relating to the design of roadway and electrical systems. This experience satisfies each firm and personnel minimum requirement as outlined in the Request for Qualifications; including a principal registered as a professional engineer in the State of Louisiana, a licensed professional in charge with a minimum of five years in electrical design, and an additional professional engineer familiar with electrical systems engineering design.

### **Project Team**

With over (20) twenty years of engineering design and construction administration experience, Infinity's team of civil, structural, mechanical, and electrical engineers have provided complete roadway related designs in the public and private sectors, including: electrical systems for street lighting, signalization, and utilities, as well as the civil/structural design for street lighting poles.

Infinity Engineering Consultants, LLC is a registered Louisiana engineering firm (License No. 3109) and is in full compliance of Louisiana state law. With Infinity's proven record of ushering projects from concept to final construction, Infinity's team is well-suited to execute any assigned street lighting design, in-house, for this important on-call contract. We appreciate this opportunity to submit our qualifications and vision for enhancing Jefferson Parish through thoughtful engineering design.

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

### **Key Personnel Qualifications and Experience**

Infinity has assembled a dynamic group of engineers to achieve all required field investigation, testing, design, and construction administration needed for the successful completion of any assigned project. As a multi-disciplinary firm, Infinity has the in-house abilities to perform all aspects of the engineering design work. For any assigned street lighting design contract, Infinity can provide the following services:

1. **Project Management**
2. **Complete Electrical Engineering (Civil & Structural if needed)**
3. **Construction Administration**
4. **Resident Inspection**

## TEC Professional Services Questionnaire

Infinity looks to assign John Lawrence, P.E. as the Project Manager and Engineer of Record for any assigned electrical project. Mr. Lawrence holds over 33 years of experience in electrical engineering, project management, quality control and supervision of electrical design. With Mr. Lawrence's electrical engineering expertise comes a vast knowledge of power and control systems, SCADA technology, and electrical instrumentation for a wide range of utility infrastructure.

It is important to note that all of Infinity's projects are completed by, or under the direct supervision of a licensed engineer and based on his/her experienced subject matter. Infinity's QA/QC procedure provides that all drawings and specifications are further checked before leaving our office. As a testament to Infinity's rigorous QA/QC procedures, 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."*

### **2) Size of firm considering the number of professional and support personnel required to perform the type of engineering tasks, including project evaluation, project design, drafting of technical plans, development of technical specifications and construction administration:**

Infinity employs (11), full-time, licensed professional engineers, many with over twenty (20) years of experience. Beyond Infinity's professionally licensed engineers, Infinity employs 36 total personnel ranging from engineering interns to administrative staff. Qualifications and experience of Infinity's technical staff are contained within the TEC form.

|                         |                               |                           |                      |
|-------------------------|-------------------------------|---------------------------|----------------------|
| William Thomassie, P.E. | Principal                     | Civil Engineer            | Experience: 31 years |
| Raoul Chauvin, P.E.     | Principal                     | Mechanical Engineer       | Experience: 32 years |
| Rachel Kenney, P.E.     | Chief Engineer                | Civil Engineer            | Experience: 20 years |
| Louis Jackson, P.E.     | Ops & QA/QC                   | Civil Engineer            | Experience: 27 years |
| Ricardo Contreras, P.E. | Civil Engineering Manager     | Civil Engineer            | Experience: 27 years |
| Cindy Gallo, P.E.       | Project Deliver Manager       | Civil/Structural Engineer | Experience: 10 years |
| Kevin Hurtt, P.E.       | Civil Project Engineer        | Civil Project Engineer    | Experience: 5 years  |
| Laura Kelly, P.E.       | Mechanical Manager            | Mechanical Engineer       | Experience: 13 years |
| Stephen Gholston, P.E.  | Mechanical Project Engineer   | Mechanical Engineer       | Experience: 21 years |
| John Lawrence, P.E.     | Principal Electrical Engineer | Electrical Engineer       | Experience: 33 years |
| Matthew Torres, P.E.    | Electrical Project Engineer   | Electrical Engineer       | Experience: 6 years  |

Additionally, Infinity employees the following full-time team members:

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

### **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 any assigned street lighting 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,

## **TEC Professional Services Questionnaire**

*"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:**

Since Infinity's inception, our firm has worked closely with our neighboring parishes to provide design services involving roadway rehabilitation, utilities improvements, as well as streetlighting. Infinity points to our past successes as a token of the firm's reputation as a responsible and capable technical resource in respect to Jefferson Parish's roadway improvement initiatives.

To quote Timothy Mathison, City of Slidell's Chief Administrative Office, regarding Infinity's design of the Kostmayer Avenue and Sgt. Alfred Drive roadway improvement projects *"Both of these roadway projects were completed on time and within budget. Infinity's employees were professional, knowledgeable, and a pleasure to work with...I would recommend Infinity for their design capabilities, as well as their professional approach to project management"*

Additionally, Infinity holds a great deal of experience participating in as-needed professional services contracts and subsequently providing engineering designs for assigned projects. Some of Infinity's past as-needed contracts include:

- City of New Orleans Department of Public Works Roadway Enhancements
- Sewerage and Water Board Professional Engineering Design
- Jefferson Parish Routine Engineering Services for Street Projects
- Jefferson Parish Routine Engineering Services for Drainage Projects
- Jefferson Parish Routine Engineering Services for Water Projects
- Jefferson Parish Routine Engineering Services for Sewerage Projects
- Regional Transit Authority On-Call A/E Services for Small Businesses
- City of Mandeville As-Needed Engineering Services
- Port of New Orleans As-Needed Civil Engineering Services
- Port of New Orleans As-Needed Mechanical and Electrical Engineering Services

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

Infinity's only office is located in the **Fat City area of Metairie, LA**, within a two-hour drive from the furthest Jefferson Parish roadway in Grand Isle, LA. Therefore, distance will not hinder our ability to conduct fieldwork whenever necessary. We have executed multi-million-dollar projects throughout Louisiana, Texas and as far away as Pennsylvania, and the Bahamas. Infinity fully expects all assigned roadway engineering design work will be performed in our Metairie office.

More importantly, the communication between our office, our teaming partners, and the Jefferson Parish will determine the project's success. Infinity holds a history of building strong relationships with our teaming partners. We expect to continue to do the same with any assigned sub consultant from the Jefferson Parish surveying or geotechnical engineering pool.

### **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:**

## TEC Professional Services Questionnaire

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. 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."*

Additional roadway related projects not included in our TEC form include:

- St. Roch Neighborhood RR176, RR177, & RR178 Roadway Repairs
- North Perimeter Road New Roadway Development
- LADOTD Savanne Road Bridge Replacement
- LADOTD N. River Road Branch Bridge Replacement
- Colony Place Street Lighting Improvements
- Lakeshore Group C & D Street Reconstruction
- Kostmayer Avenue Roadway Improvements
- Ridgelake Drive Roadway & Drainage Improvements

### **Closing Statement**

Infinity's growth, resilience, and repeat business in the municipal and industrial sectors shows the strength of our reputation. We take great pride in our reputation and expect to continue to build the same trust with Jefferson Parish. As stated above, the engineering pool for routine roadway lighting engineering services is an important endeavor for Jefferson Parish. Its success will afford comfort and convenience for pedestrians, bikers, and motorists across Jefferson Parish. As the Jefferson Parish community continues to grow, the roadways must continuously modernize to keep the Parish thriving. Improved roadway lighting lead to a safer and more vibrant community.

Infinity Engineering recognizes the importance of this program and has assembled the most qualified team to handle all aspects of the projects. Thank you for taking the time to learn more about Infinity Engineering Consultants, LLC. We look forward to working with you to grow and enhance our communities together.


Raoul V. Chauvin, III, P.E.

Principal

Infinity Engineering Consultants, LLC.

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

# Infinity Engineering, LLC. Organizational Chart

Raoul V. Chauvin, III, P.E.  
*Principal Partner*

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

## Engineering and Operations

Rachel Kenney, P.E.  
*Chief Engineer*

Louis Jackson, P.E.  
*Operations & Quality Control Manager*

## Business Development & Marketing

Nickie Monica  
*Director of Business Development*

Andrew Herbert  
*Marketing Coordinator*

## Finance and Administration

Rayna Guillot  
*Contracts & Accounting Administrator*

Erin Grunberg  
*Administrative Bookkeeper*

Eric Olson  
*Drafting and Design Technical Manager*

Lavon West  
*Senior Piping Designer*

Quoc Vu  
*Designer*

Diana Babineaux  
*Designer*

Jared Barcia  
*Designer*

Gina Lala  
*Designer*

Shawn Dufrene  
*Designer*

Frank Cherry  
*Drafter*

Daniel Muhsin  
*Drafter*

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

Laura Kelly, P.E.  
*Mechanical Engineering Technical Manager*

John Lawrence, P.E.  
*Principal Electrical Engineer*

Leon Vial  
*Advanced Measurements Manager*

Cindy Gallo, P.E.  
*Project Engineer - Structural*

Robert Haydel  
*Project Designer - Civil*

Stephen Gholston, P.E.  
*Project Engineer - Mechanical*

Matthew Torres, P.E.  
*Project Engineer - Electrical*

Ryan Petit  
*Advanced Measurements Technician*

Kevin Hurtt, E.I.  
*Project Designer - Civil*

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

Brian Lauritsen, E.I.  
*Project Designer - Mechanical*

Bart Lacombe  
*Project Designer - Electrical*

John Lawrence, Jr.  
*Field Technician*

Bryce Barrilleaux  
*Project Designer - Civil*

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

Dara Bird  
*Project Designer - Electrical*

Rodney Ziegler  
*Construction Inspector*



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



# Livingston Parish

Office of Homeland Security and Emergency Preparedness

MARK HARRELL  
Director

BRANDI JANES  
Deputy Director



9/12/2017

To Whom It May Concern:

Infinity Engineering Consultants, LLC recently designed a new 715' guy wire tower and communications building for the Livingston Parish Department of Homeland Security and Emergency Preparedness. 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.

The staff at Infinity was professional and worked with the Parish to meet all the needs of this tower. Their designs were completed on time and their budget was reasonable and fair. Infinity provided all structural, civil, mechanical and electrical designs, FCC licensing and FAA studies, and construction administration. Additionally, Infinity provided an intermodulation study to determine which government entities would benefit from being re-located from multiple towers and could co-exist on the new tower sharing antennas wherever possible. The tower houses communications for several different government entities in and around Livingston Parish, including police, fire, EOC, and council to name a few.

We are pleased to recommend Infinity Engineering Consultants, LLC and look forward to working with them in the future.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Harrell".

Mark Harrell,  
Director

Livingston Parish Office of Homeland Security and Emergency Preparedness



## *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