



# Professional Electrical Engineering Services



Professional Electrical  
Engineering Services  
Jefferson Parish Government  
SOQ 22-030

## 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](mailto:rchauvin@infinityec.com)

July 15, 2022



June 30, 2022

Re: Statement of Qualifications for  
Professional Electrical Engineering  
Services

J.P. General Government Building  
200 Derbigny Street, Suite 4400  
Gretna, LA 70053  
Phone: 504-364-2687

With reference to the above stated project, **Infinity Engineering Consultants, LLC** is pleased to present our Statements of Qualifications. To accomplish the requirements of the project, we have assembled a qualified team of professionals to perform all tasks that may be necessary. Infinity Engineering holds a vast amount of experience in performing design and assessment work on municipal electrical infrastructure projects. Our multi-disciplinary team including electrical, civil, structural, and mechanical engineers work side-by-side every day to produce complete engineering designs in collaboration with each other.

We take pride in the work that we do and set forth to do our very best to improve the lives of our community. In response to the Request for Qualifications, we offer the following qualifiers for the evaluation criteria:

#### **Professional Training and Experience in Relation to the Type of Work Required for the Engineering Services**

Infinity's staff along with our teaming partners have the experience to provide Jefferson Parish with the expertise to prepare an appropriate assessment of existing roadway lighting infrastructure to minimize costs and impacts to the community. As illustrated in the resume section, Infinity's professional engineering staff is well-suited to address all engineering needs of any assigned project. Infinity is a Jefferson Parish firms with familiarity in all facets of design anticipated.

#### **Infinity Engineering's Key Personnel & Experience:**

William Thomassie, P.E.	Principal	Civil Engineer	Experience: 30 years
Raoul Chauvin, P.E.	Principal	Mechanical Engineer	Experience: 31 years
Rachel Kenney, P.E.	Chief Engineer	Civil Engineer	Experience: 19 years
Louis Jackson, P.E.	Ops & QA/QC	Civil Engineer	Experience: 25 years
Gregory Lintinger, P.E.	Senior Project Engineer	Electrical Engineer	Experience: 45 years
Gregory Pier, P.E.	Project Engineer	Electrical Engineer	Experience: 14 years
John Lawrence, P.E.	Project Engineer	Electrical Engineer	Experience: 32 years
Bart Lacombe	Project Engineer	Electrical Engineer	Experience: 15 years

Infinity Engineering Consultants, LLC is a registered Louisiana engineering firm (License No. 3109) and is in full compliance of Louisiana state law.

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

Currently, Infinity is experiencing a time of growth, as we have recently added two Professional Engineers to our staff. This period of growth means Infinity does not have a significant backlog of project work. In fact, our engineering team has reached the completion of design for several projects allowing unimpaired resources for the professionals listed in the organization chart.

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."*

**Location of the principal office where work will be performed.**

Infinity's office is located in the Fat City (District 5) neighborhood of Metairie. All but one of our staff work out of this office and many live in Jefferson Parish. We as a firm and our employees that are residents of the Parish have a vested interest in the success of the Parish.

**Adversarial legal proceedings between the Parish and the person or firm performing professional services, in which the Parish prevailed or any ongoing adversarial legal procedures between the Parish and the person or 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.

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

Infinity points to past successes as a token of our reputation as a responsible and capable technical resource for Jefferson Parish on this project. One project that highlights Infinity's electrical capabilities is the design of the Lakefront Airport Electrical Vault/Platform Study and Design. Infinity provided electrical engineering support for the relocation of electrical power and control airfield lighting systems at the New Orleans Lakefront Airport. Infinity created electrical engineering designs for the relocation of the electrical vault to an elevated level. Airfield lighting 5 kV cable system required extension and splicing, and the counterpoise grounding system were likewise extended. All systems were in conformance with FAA circulars, including signage requirements, taxiway, runway centerline lighting and aids to flight and landing navigations controls.

Additionally, Infinity's engineers have provided street lighting electrical designs for the following Jefferson Parish projects:

- Causeway Boulevard Street Lighting
- Glenwood Drive Street Lighting
- Airline Drive Street Lighting
- Colony Place Street Lighting

**Size of firm considering the number of professional and support personnel required to perform the type engineering tasks.**

Infinity's firm size is well-suited for an array of project sizes. Currently Infinity has eight (8) civil engineers, four (4) structural engineers, five (5) mechanical engineers, four (4) electrical engineers, three (3) resident inspectors, and nine (9) drafters available who may be required for these projects. **Total firm size is 39.**

Our firm members are skilled in project assessment and evaluation, producing accurate engineering designs, construction plans and specifications, and providing construction administration. Infinity staff members are dedicated to monitoring the progress of construction, while remaining conscious of the monetary budget and meeting deadlines. We have a sufficient staff with the appropriate technical knowledge and experience to complete any assigned project.

**Past Performance by person or firm on Parish projects.**

Infinity Engineering Consultants is a full-service, multi-disciplinary firm with turn-key capabilities. To date, Infinity has provided civil, structural, mechanical, and electrical designs for a variety of projects for Jefferson Parish. We are familiar with projects that have involved weekly and daily coordination meetings with public and private clients, engineers, managers, and operations personnel. Infinity maintains positive working relationships with these entities throughout the design and construction process.

Sections L of the TEC Questionnaire lists Infinity clients and contact information. Infinity has a history of providing excellent engineering services and the references provided will emphasize this commitment. The fact that our client references recommend us and return to us is the greatest affirmation of our quality of work.

Infinity completed an EOC communications tower and two major drainage projects for Jefferson Parish on the Westbank, one in District 1 and the other in District 3. Former Capitol Projects Director **Reda Youssef, P.E.** offered these affirming words of Infinity's performance, "Infinity Engineering Consultants has successfully completed the designs for the Wedmore and Bannerwood Drainage projects, as well as the design for 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.**"

\*\*\*\*\*

Infinity is proud to provide engineering services to Jefferson Parish and believe that we have the ability to continue this relationship by providing timely and effective designs for electrical based projects. Thank you for taking the time to learn more about Infinity Engineering Consultants, LLC. We look forward to working alongside Jefferson Parish continue to grow and enhance our communities together.

Sincerely,

Infinity Engineering Consultants, LLC



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

## TEC Professional Services Questionnaire

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

**Routine Engineering Services for Sewer Projects**  
Resolution No. 138812

### 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.

**Gregory Lintinger, P.E.**  
Electrical Engineering Manager  
504-304-0548  
glintinger@infinityec.com

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

<u>5</u> Administrative	_____ Estimators	<u>3</u> Specification Writers
_____ Architects (Licensed)	_____ Geologists	_____ Structural Engineers
_____ Chemical Engineers	_____ Geotechnical Engineers	_____ Graduate Engineers
<u>8</u> Civil Engineers	_____ Interior Designers	_____ Project Managers
<u>4</u> Construction Inspectors	_____ Landscape Architects	_____ Clerical
_____ Ecologists	_____ Land Surveyor	_____ Grant/Funding Specialist
<u>4</u> Electrical Engineers	<u>5</u> Mechanical Engineers	_____ Sanitary Engineers
_____ Engineer Intern	_____ Environmental Engineers	<u>10</u> Drafting/Design
_____ Professional Land Surveyors		<u>39</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.  N/A		
2.		
3.		
4.		
5.		
6.		
7.		

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

**5**

## TEC Professional Services Questionnaire

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

**Name & Title:**

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

**Project Assignment:**

Principal-in-Charge;  
Mechanical Engineering Advisor

**Name of Firm with which Associated:**



**Years' experience with this Firm:**

18

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

Bachelor of Science / 1990 / Mechanical Engineering

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

Professional Engineer – Mechanical Engineering

IA/2018/Mechanical	IL/2018/Mechanical	IN/2018/Mechanical
KY/2018/Mechanical	LA/1999/Mechanical	MI/2018/Mechanical
MN/2018/Mechanical	MS/2007/Mechanical	OH/2018/Mechanical
TN/2018/Mechanical	TX/2007/Mechanical	

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

**Jackson Square Renovations – New Orleans, LA**

Principal and Mechanical Engineering Supervisor for the mechanical, electrical, and civil renovations to the historic Jackson Square in anticipation of the City of New Orleans' celebration of the tricentennial in 2018. The project includes the **replacing all conduit, boxes, panels, etc. that supply power for the entire park**, upgrades to power to include (4) new power panels, LED lighting and flood lighting, civil site repairs, automated irrigation system, cleaning and painting the fountain, replacement of all trash receptacles, replacement of park signage, and landscaping.

**Regional Transit Authority Napoleon Building - New Orleans, LA**

Principal and Mechanical Engineering Supervisor responsible for the inspection of the mechanical, structural, plumbing, fire protection and **electrical systems of the 16,000 sq ft** building and proposed underpinning of the foundation, repair of the walls and roof framing, as well as mechanical and electrical upgrades and repairs to this historic building.

**Westbank Regional Library Chiller – Jefferson Parish, LA**

Principal and Mechanical Engineering supervisor for the engineering design for the replacement and installation of the HVAC system. Designs included the replacement of a 100-ton chiller, circulation pumps, DDC controls, valves, compressors, and **electrical components**.

**Patterson Pump Station Port of New Orleans – New Orleans, LA**

Principal Engineer and Mechanical Engineering Supervisor for the design of removal and refurbishment of two vertical pumps; condition evaluation of two electric motors; replacement of the electrical system from the existing main breaker/disconnect; **establishment of a back-up generator**; design of walkway to access the discharge screen catwalk; and checking the elevation of the discharge piping against the flood protection requirement.

**Buras Wastewater Treatment Plant Repairs – Buras, LA**

Project Manager for the emergency repair of this wastewater treatment facility. The project **included assessment of mechanical, electrical, civil, and structural damages**, writing construction cost estimates for submittal to FEMA, preparing plans and specifications for repairs, and construction administration. The design of the Buras WWTP included the replacement design of the Primary and Secondary Clarifiers' mechanical and electrical systems and the Digester bio-gas flare system; and complete design for the replacement of a 3,000 sq. ft. steel maintenance building.

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Gregory Lintinger, P.E.</b> Senior Electrical Project Engineer
<b>Project Assignment:</b>
Senior Electrical Project Engineer
<b>Name of Firm with which Associated:</b>

<b>Years' experience with this Firm:</b>
10
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1985 / Electrical Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer – Electrical Engineering LA/1990/Electrical      TN/1992/Electrical      AK/1996/Electrical MS/1999/Electrical      TX/2000/Electrical      FL/2005/Electrical CO/2010/Electrical
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><b><u>South Galvez Street Lighting – New Orleans, LA</u></b>                      Responsible for electrical design, specification development, development of drawings, and related construction administration for the new street lighting on South Galvez Boulevard. The design included <b>energy efficient, LED luminaires on 30' round tapered steel poles</b> with single arms, concrete pole foundations with underground power distribution, and static grounding for lightening protection.</p> <p><b><u>Canal Street/City Park Avenue Intersection Improvements - New Orleans, Louisiana</u></b>                      Responsible for the voltage drop study for the additional DC power for the streetcars, design of the streetcar traffic control system, and <b>lighting and power distribution for the new terminal</b> and streetcar line extension along Canal Street.</p> <p><b><u>City of New Orleans Jackson Square Renovations – New Orleans, LA</u></b>                      Electrical Engineering Manager responsible for supervision of electrical engineering teams' fast review of the existing electrical systems for the historic square. Electrical systems to provide power for festival events, stage events, power to the four quadrants of the square, renovation of the existing fountain's pump system and lighting, refurbish existing historic gas lanterns to <b>LED lamp systems, new automated sprinkler system, new power distribution system</b> from local utility underground network system.</p> <p><b><u>Orleans Parish Hospital Services District A – New Orleans East Hospital</u></b>                      Electrical Engineering Manager for the electrical design of the on-site storage of electrical, water, sewer, medical gas, fuel oil, fiber and natural gas utilities from the project boundary to the utility access points, e.g. transformers, switches, <b>parking area and helipad lighting and controls</b>, which included the underground electrical utility and switchgear.</p> <p><b><u>St. John the Baptist School Board Lake Pontchartrain Elementary School – Laplace, LA</u></b>                      Electrical Engineering Manager responsible for supervision of electrical systems design-engineering of the new elementary school including, lighting, <b>lighting controls, emergency lighting, power distribution system</b>, HVAC Chiller System with VAV units, and air handling systems power, fire alarm system, fiber optic back boned data and communications, site lighting, intercom and clock system, smart boards, security, and CCTV.</p> <p><b><u>Municipal Traffic Courts Building – New Orleans, LA</u></b></p>

## TEC Professional Services Questionnaire

Electrical Engineering Manager for the New Orleans Municipal-Traffic Court Building Renovations, including construction documents in development, electrical lighting, power, fire alarm and detection modifications, public address, data, telephone, and special systems. Designs included developing main service equipment and **panel details**; determining service size and resulting fault currents; placement of all life safety devices; **interior lighting and power plans**; and interior signs and emergency lighting.

### Department of Veterans Affairs Camp Villere Armory VA Cemetery – Slidell, LA

Electrical Engineering Manager for the **electrical design of (3) new buildings** on site at the new Veterans Cemetery at Camp Villere National Guard Armory in Slidell, Louisiana. Designs include a 3100 sq ft administrative building, a 5200 sqft. vehicle maintenance and storage facility, 750 sq ft committal shelter, two sewer package plants and fuel storage dispensing systems.

### Landfill Gas Collection System Expansion – Jefferson Parish, LA

Electrical engineering manager responsible for surveys and assessment of the conditions of all electrical components, which included: **power poles, controllers, transformers, lift stations, and compressors**. Determined the cable routing and connections, developed drawings, and gave recommendations for improvements, maintenance, and safety. Jefferson Parish specifications and industry standards were utilized for this specialized project within the landfill. Due to possible methane gas accumulations, recommendations included equipment suitable for corrosive atmospheres.

### Port of New Orleans Cold Storage Facility Annual Assessment – New Orleans, LA

Electrical Engineering Manager responsible for supervision of electrical engineering teams fast tract review of the existing electrical systems for the cold storage facility including, **lighting, emergency lighting, power substation**, power and tele/data.

### Landfill Leachate Collection System Rehabilitation – Jefferson Parish, LA

Electrical engineering manager responsible for the supervision of designs for the **rehabilitation of the existing high voltage electrical distribution system** throughout the facility. All existing equipment was inspected, and designs were implemented to provide a safe and reliable electrical system for the existing service equipment. A new lift station was also designed including a backup generator for the site drainage.

### Port of New Orleans Patterson Drainage Pump Station – New Orleans, LA

Electrical Engineering Manager responsible for the design-engineering to replace existing electrical power and SCADA systems. Project included provisions for interconnection of **automatic transfer stand-by generator, site lighting, tele/comm modem SCADA**, level control systems, and soft starters for pump motors, and grounding.

### Jefferson Parish Government Westbank Emergency Operation Center Tower Installation

Electrical Engineering Manager for the Westbank Emergency Operations Center Tower Relocation Project. The designs include **new radio and antenna tower**, communications building construction documents, **electrical lighting, power, fire alarm and detection**, communications radio equipment racks, uninterruptable power system, generator, SCADA interfaces, data, telephone, and special systems.

### City of Slidell Emergency Operations Center & Safe Room – Slidell, LA

Electrical Engineering Manager responsible for preparation of preliminary electrical systems design-engineering of the new facility school including, lighting, lighting controls, emergency lighting, power distribution system, stand-by generator and automatic transfer systems, uninterruptable power system (UPS), HVAC System and air handling systems power, fire alarm system, fiber optic back boned data and communications, site lighting, security, and special systems.

### New Orleans Armstrong International Airport New North Terminal Facility Review – Kenner, LA

Electrical Engineering Manager responsible for supervision of electrical engineering teams fast tract peer review of the electrical systems design-engineering of the **new terminal facility including, lighting, emergency lighting, power substation, generators, UPS, power and tele/data**.

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Gregory Pier, P.E.</b> Senior Electrical Project Engineer
<b>Project Assignment:</b>
Electrical Project Engineer
<b>Name of Firm with which Associated:</b>

<b>Years' experience with this Firm:</b>
10
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2007 / Electrical Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer – Electrical Engineering LA/23878/2022
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><b><u>Jefferson Parish Government Traffic Operations Center Standby Generator – Jefferson Parish, LA</u></b> Project Manager and Electrical Engineer for the addition of a <b>150-kW natural gas stand-by generator</b> to provide power to the entire facility should the loss of primary power occur. The project included the reconfiguration of existing electrical systems to comply with the new generator installation. Additionally provided construction administration.</p> <p><b><u>Lakefront Airport Electrical Platform Final Design – New Orleans, LA</u></b> Designed the <b>relocation of the electrical vault</b> to including using the existing vault as a wire splicing area. All new power distribution was provided in the new vault including 480 &amp; 120/240VAC panelboards, regulators, lighting, and receptacles. Lightning protection and new building ground ring was also provided on this new building.</p> <p><b><u>Glenwood Drive Street Lighting Designs – Metairie, LA</u></b> Electrical Project Engineer for the establishment of street lighting on 1,900 linear feet of Glenwood Drive between Metairie Road and Fairmont Drive. The designs included decorative metal poles in a historic style with a single "acorn" LED luminaire at its top, <b>Power Distribution System with wiring diagrams and panelboard schedules</b>, conduit and cable callouts, and a photometric analysis to determine the appropriate spacing. Designs also included feasibility assessments to determine the best source of power from three potential feeder locations.</p> <p><b><u>Port of New Orleans Patterson Drainage Pump Station – New Orleans, LA</u></b> Project Electrical Engineer for the removal and refurbishment of two vertical pumps; condition evaluation of two electric motors; <b>replacement of the electrical system from main breaker/disconnect</b>; and establishment of a <b>back-up generator</b>. Verified compatibility between the new pump and the existing variable frequency drive.</p> <p><b><u>New Orleans East Hospital Expansion – New Orleans, LA</u></b> Electrical Project Engineer responsible for the assessment and electrical designs for the \$70MM new and renovated hospital. Responsibilities for the new design included coordination with Entergy for Primary Power distribution, <b>13.8kV main power switchgear design</b>, fire water pump power installations, fire alarm system and coordination with Fire Marshall, site lighting to include helipad lighting and obstruction lighting, low voltage communications and technology systems including nurse call systems, data and television systems, and CCTV systems.</p> <p><b><u>Criminal Evidence and Processing Complex Design &amp; Construction – New Orleans, LA</u></b> Electrical Project Engineer and Project Manager responsible for the design and construction of a new five-story municipal building for the New Orleans Police Department. The designs included primary power, emergency power, telephone,</p>

## TEC Professional Services Questionnaire

data/communications systems, access control systems, grounding and bonding systems, site lighting, interior lighting, emergency lighting, video surveillance systems, motor control centers, fire alarm system, and public address systems. Electrical designs coordinated with the mechanical design for HVAC systems, fire pumps, fire suppression, fuel transfer pumps and **1 MW emergency generator with automatic transfer switch**.

### Braithwaite Auditorium Electrical Platform – Braithwaite, LA

Electrical Project Engineer responsible for the design of a relocated service equipment switch rack. All existing equipment serving the building was relocated to a **new switch rack installed on the existing generator platform** to prevent primary power failure due to a flooding event. Responsibilities also included construction administration to coordinate with the contractor and the owner.

### Delgado Community College Student Pavilion – New Orleans, LA

Electrical Project Engineer responsible for providing electrical engineering designs for a new 1,160 sq ft shelter. The design included new panel installations to provide for photocell-controlled lighting, convenience receptacles and ceiling fans throughout the outdoor pavilion, as well as a grounding system.

### Sewerage & Water Board Underpass Drainage Stations – New Orleans, LA

Project Electrical Engineer for the **replacement of the power systems, both 25Hz and 60Hz**, in the Underpass Drainage Station. New conduit and wiring were designed to be installed from the main facility across the flood wall to the new underpass drainage station.

### Cutty Sark and Titanic Lift Station – Jefferson Parish, LA

Project Electrical Engineer responsible for assisting with site visits to survey existing power distribution system, assist with **developing specifications for equipment to be installed in the new station**, coordinate with utility company provider, and ensure they will provide client proper power connections and metering. Additionally, responsible for reviewing submittals from contractor, respond to contractor questions, and develop a punch list for project closeout.

### Landfill Leachate Rehabilitation – Jefferson Parish, LA

Electrical Project Engineer responsible for the **rehabilitation of the existing high voltage electrical distribution system** throughout the facility. All existing equipment was inspected, and designs were implemented to provide a safe and reliable electrical system for the existing service equipment. A new lift station was also designed including a backup generator for the site drainage. Additionally, responsible for the construction administration of the electrical portion of the project from bidding phase to completion.

### Office of Facility Planning US Mint – New Orleans, LA

Electrical Project Engineer and Project Manager for the renovation of the historic United States Mint Building. The renovations consisted of **new elevator equipment**, new sump pumps in the elevator pit (including new piping to the existing drainage system), and **new electrical power distribution** for the installation of a new gallery area.

### HANO Guste Building Security Cameras – New Orleans, LA

Project Manager and the Project Electrical Engineer for the drawing development of a new security system at the Guste High Rise Building in New Orleans to include new NVRs, **new display monitors, and over 100 new security cameras**.

### Jefferson Parish Water Department New Backup Generators – Kenner, LA

Project Electrical Engineer responsible for the drawing development **two new 1-Megawatt diesel emergency generators** for the Jefferson Parish Water Department to replace two existing 750MW Generators. These new generators provide power to the entire water department on the westbank of New Orleans which feeds water to the parish from Gretna to Grand Isle.

### St John Parish Regala Park Temporary Electrical Distribution

Project Manager and the Project Electrical Engineer for the drawing development of the **new power distribution** at Regala Park in Reserve, LA. The new power distribution was assembled to provide power to the baseball field lighting, the storage building, and a new restroom facility temporarily until a new building is designed to include a new electrical vault.

## TEC Professional Services Questionnaire

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

<b>Years' experience with this Firm:</b>
<1
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1990 / Civil Engineer
<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><b><u>Phillips 66 – Lead Electrical Engineer</u></b></p> <ul style="list-style-type: none"> <li>• Unit 592 Acid Gas SIL-2 System Installation</li> <li>• 230kV Substation with Two 230kV to 34.5kV</li> <li>• 120MVA Transformers, Switchyard and Switchgear Building</li> <li>• Post Hurricane IDA Recovery - provided design for temporary generators at substation buildings and rebuilding 5kV and 480V switchgear</li> </ul> <p><b><u>AECOM – Senior Electrical Engineer</u></b></p> <ul style="list-style-type: none"> <li>• Substation, Transmission and Distribution Rehabilitation - Scoville Power and Light</li> <li>• Selenium Reduction Unit - Holly Frontier Refinery</li> <li>• CO2 Compressor Installation - Cornerstone Chemicals</li> <li>• Flue Gas Desulfurization Modifications - Santee Cooper Winayh</li> <li>• Bottom Ash Dewatering Project for First Energy Power Generating Plant</li> </ul> <p><b><u>Entergy Corporation – Senior Electrical Engineer</u></b></p> <ul style="list-style-type: none"> <li>• Nine Mile Unit 4 Generator 900MVA Step up Transformer Replacement</li> <li>• Nine Mile Unit 6 Combined Cycle Generation Plant Construction Assistance</li> <li>• Michoud Auxiliary Boiler Demolition</li> </ul> <p><b><u>URS Corporation – Project Electrical Engineer</u></b></p> <ul style="list-style-type: none"> <li>• Southern Company Georgia Power Plant Hammond Generating Plant Flue Gas De-Sulfurization</li> <li>• Valero Delaware City Refinery Crude Unit Heater Revamp</li> <li>• Santee Cooper Winyah Generating Station Units 3&amp;4 IFO Conversion</li> </ul>

## TEC Professional Services Questionnaire

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

<b>Years' experience with this Firm:</b>
3
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2007 / Electrical Engineer
<b>Active registration: Year first registered/discipline:</b>
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><u>Ochsner Lift Station – Jefferson, LA</u> Project Engineer responsible for electrical design and development of drawings for pump replacement for the existing lift station and evaluation and design of <b>new electrical distribution system</b>. The design included the electrical service and <b>new pump controls</b>.</p> <p><u>Camp Plache Lift Station Rehab – Metairie, LA</u> Project Engineer responsible for coordination with Entergy and the Jefferson Parish Sewage Department for the electrical design for the lift station rehabilitation project to replace the existing 2400-volt pumps with new 480-volt pumps. The electrical design included the <b>new electrical service</b> which required new transformers and a <b>new motor control center</b> for the lower voltage motors for the pumps. The design also included a new PLC pump control system which will be integrated to most station operations.</p> <p><u>16th Avenue Pump Building Rehabilitation – Covington, LA</u> Project Engineer responsible for electrical design and development of drawings for a pump building rehab involving <b>new electrical distribution</b>, addition of HVAC to unconditioned building, and replacement of existing pump controllers and <b>upgrade of control system</b> capable of hardwired and cellular telemetry for connection to City's water system.</p> <p><u>Plaquemines Parish Harbor of Refuge – Empire, LA</u> Project Engineer responsible for electrical design and development of drawings for <b>new grounds development</b> involving a new building for an office and restrooms with sewage treatment, pavilions, and picnic areas for purpose of fisherman's market and entertainment, and camp sites with RV connections. The electrical design included the main electrical service, and distribution involving <b>stepdown transformers</b> for servicing the main building, campsites, and pavilions.</p> <p><u>Planters Pump Station – Jefferson Parish, LA</u> Project Engineer responsible for electrical design and development of drawings for replacement of pump engines, interface with existing control systems, and refurbishment of pump gears.</p> <p><u>Dillard University – Campus Improvements</u> Project Engineer responsible for electrical design and development of drawings for a campus improvements project involving new guard sheds at entrances including security access, widening of roadways and new lighting for frontal landscape. The design included <b>lighting, new security and access system with new cameras</b>, and sizing of electrical cables and low voltage cables.</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><b>Canal Street/City Park Avenue Transportation Hub</b> New Orleans, LA</p> <p>2817 Canal Street, New Orleans, LA 70119 Stephen Mitchell 504-827-8310</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>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>Completed 2018</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$9,000,000	\$9,000,000



### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>South Galvez Street Lighting Improvements</b> New Orleans, LA</p> <p>City of New Orleans Department of Public Works 1300 Perdido St., Ste. 6W03 New Orleans, LA 70112 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>	
<p><b>Completion Date (Actual or estimated):</b></p> <p>Completed 2018</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
	\$4,800,000	\$2,000,000



## TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Glenwood Street Lights</b> Metairie, LA</p> <p>Jefferson Parish Government 1221 Elmwood Park Blvd., #802 Jefferson, LA 70123 Ryan Breaux 504-736-6500</p>	<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>	
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed 11/2021	\$190,100	\$190,100

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Criminal Evidence and Process Complex</b> New Orleans, LA</p> <p>City of New Orleans 1300 Perdido Street Room 6E15 New Orleans, LA 70112</p>	<p>Infinity provided mechanical and electrical design for a new five-story municipal building for the New Orleans Police Department. The electrical designs included primary power, emergency power, telephone, data/communications, access control systems, site lighting, interior lighting, emergency lighting, video surveillance systems, grounding and bonding systems, and public address systems. Electrical designs were in coordination with mechanical engineers for HVAC systems, fire pumps, fire suppression, fuel transfer pumps and emergency generator. All electrical systems are provided with an uninterruptible power supply system.</p> <p>The mechanical systems included Variable-Air-Volume air conditioning units on each floor serving the office and storage area. <b>Specialized independent ventilation and air conditioning systems</b> will be installed for critical areas such as laboratory spaces. Each I.T. room will also have an independent air conditioning system. Plumbing systems include a <b>domestic water booster pump with cold water and a hot water recirculation</b> loop throughout the building.</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 6/2022	\$12,500,000	\$491,690 (Fee)

## 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>Lake Pontchartrain Elementary School</b> LaPlace, Louisiana</p> <p>St. John the Baptist School Board 118 West 10<sup>th</sup> Street Reserve, LA 70084</p>	<p>Infinity provided the design of <b>new HVAC, plumbing and electrical systems</b> for the all-new 95,000 sq ft Lake Pontchartrain Elementary School. Mechanical designs included all new air-cooled chillers, high efficiency boiler, primary/secondary four-pipe chilled water/hot water system, VAV air handling units with hot water reheat, commercial kitchen exhaust and makeup air, plumbing and domestic hot water systems, and specified the type of fire protection system for wet sprinkler, and dry pipe fire protection.</p> <p>Infinity designed all electrical systems for the new elementary school, including the power distribution system; <b>back bone fiber optic communication distribution system</b> for all data systems (IP-based telephone and security system, voice evacuation system, tie-in to school board mass notification system); fire alarm system; intercom and clock systems; closed circuit television system; and battery back-up for emergency lighting and communications.</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: 2018	\$22,500,000	N/A

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>New Orleans East Hospital</b> New Orleans, LA</p> <p>Parish Hospital Services District A 5620 Read Blvd. New Orleans, LA Karl Warner 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>	
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completed: 2014	\$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:	
<p style="text-align: center;"><b>Washington Parish Emergency Operations Center</b></p> <p style="text-align: center;">Franklinton, Louisiana</p> <p style="text-align: center;">Washington Parish Government 805 Pearl Street Franklinton, LA 70438 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>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
Completed: 2013	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$2,950,000	\$1,327,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Dillard University Campus Improvements</b></p> <p style="text-align: center;">New Orleans, LA</p> <p style="text-align: center;">Dillard University 2601 Gentilly Blvd. New Orleans, LA 70122 504-816-4375</p>	<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 <b>civil road work to electrical lighting and low voltage communications systems.</b></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</b> was installed under the oaks at the front of the university campus and a new circuit from the guard shack provides underground power to each fixture. Campus site security designs included the installation of a <b>security intelligence system campus wide</b>, 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>	
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
Completed 2020	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	\$1,185,000	\$1,185,000

## 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>Sycamore Filter Gallery SCADA Design</b> New Orleans, LA</p> <p>Sewerage &amp; Water Board 625 St. Joseph Street New Orleans, LA 70165 Adam Kay 504-865-0608</p>	<p>Infinity provided power and controls for the two new 300HP influent water pumps and integration of the new pumps with a new <b>SCADA system and instrumentation and controls</b>. The designs included variable frequency drives (VFDs) for the influent pump motors so the SCADA can control and monitor the speed of the VFD motors, flow rates, and pressure. The two SCADA panels included <b>uninterruptible power supply (UPS)</b>.</p> <p>Surveyed site to locate suitable location for new fiber optic panel. Located nearest connection to new Sewerage &amp; Water Board SCADA fiber optic network. Addition of new control panel and fiber optic connection. Produced specifications to correlate the new SCADA network into the existing system.</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 2019	\$2,195,000	\$695,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Landfill Leachate System &amp; Lift Station Generator</b> Waggaman, LA</p> <p>Jefferson Parish Government 4901 Jefferson Hwy. Jefferson, LA 70123 Mike Lockwood 504-736-6440</p>	<p>Infinity was the prime consultant for the electrical, civil, and structural design of improvements to the leachate system. The electrical designs included a new 150kW 480/277VAC, 3ph, 4W, <b>backup generator and automatic transfer switch</b>. The new generator was pad mounted near the electrical service equipment and included and automatic transfer switch. The new generator feeder ties into the line side of the primary breaker in the existing service equipment cabinet via the use of a <b>new service rated automatic transfer switch (ATS) installed near the existing distribution equipment</b>. Existing Entergy feeders also tie into a new 400A Service Rated ATS, and new conduit &amp; wiring was routed from the new ATS to the existing service distribution system. The upgrades and repairs of the electrical supply and distribution within the Landfill included:</p> <ul style="list-style-type: none"> <li>Install a diesel back-up generator at leachate Lift Station No. 2 for the purposes of providing power to the Lift Station pump</li> <li>Re-wire pump control panels; re-seal enclosures; replace conduit</li> <li>Remove (3) transformers; replace with (2) new transformers</li> <li>Replace fuses with circuit breakers in main office panel</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: 2018	\$1,300,000	\$1,300,000

## 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 to provide as-needed engineering design services for the **Jefferson Parish Professional Electrical Engineering Services Request for Qualifications**.

Our staff holds extensive experience with projects across the Gulf Coast relating to the design of street lighting projects and electrical systems for municipalities. This experience satisfies each personnel minimum requirement as outlined in the Request for Qualifications; including a principal registered as a professional engineer in the State of Louisiana, a professional in charge with a minimum of five years in electrical design, and an additional professional engineer familiar with electrical systems. With over (18) eighteen years of engineering design experience, our team of electrical, mechanical, civil, and structural engineers have provided complete designs in the public and private sector, including: **street lighting, instrumentation, facilities power supply, data systems, security/CCT systems, arc flash studies, and emergency generators**

With a viable resource of engineering professionals, Infinity's team is well-suited to execute the design and construction tasks required for any routine electrical projects. We appreciate this opportunity to submit our qualifications and vision for Jefferson Parish.

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

Infinity has assembled a dynamic group of engineers to achieve all the required field investigation, testing, design, and construction administration needed for the successful completion of any proposed project. As a multi-disciplinary firm, Infinity has the in-house abilities to perform all engineering design work associated with electrical projects. For any chosen professional electrical engineering services project, Infinity Engineering Consultants: LLC. will provide:

- Project Management
- Complete Electrical Engineering with possible Structural, Civil, & Mechanical
- Construction Administration & Resident Inspections
- Advanced Measurements

Examples of training and experience for Infinity's technical staff are contained in the TEC form.

### **Relevant Experience and References**

Since Infinity's inception, we have worked closely with our neighboring parishes to provide design services involving roadway lighting, electrical services for facilities, backup generators, and electrical studies. This experience is evident in the projects previously outlined in the TEC form. Some additional examples of relevant projects include:

One project that highlights Infinity's electrical capabilities is the design of the **Lakefront Airport Electrical Vault/Platform Study and Design**. Infinity provided electrical engineering support for the relocation of electrical power and control airfield lighting systems at the New Orleans Lakefront Airport. This project included providing three cost analysis figures to determine the optimal location for the lighting new lighting vault. The cost analysis gave special attention to safety, reliability, and ease of maintenance for each of the three



## TEC Professional Services Questionnaire

locations. The study included means and methods for maintaining the existing system operation during the construction and relocation process for each system.

Infinity created electrical engineering designs for the relocation of the electrical vault to an elevated level. Airfield lighting **5 kV cable system required extension and splicing**, and the counterpoise grounding system were likewise extended. All systems were in **conformance with FAA circulars**, including signage requirements, taxiway, runway centerline lighting and aids to flight and landing navigations controls.

Another relevant project from Infinity's portfolio is the **Algier's Water Treatment SCADA Design** for the Sewerage & Water Board of New Orleans. Infinity provided the design and specifications for the new SCADA system to control the water purification process at the Algiers Water Treatment Plant. Designs include replacing the existing clarifier #1 with a new clarifier including **new power control systems**. The SCADA system controls and monitors all existing and new water purification systems with integrated **uninterruptible power supply (UPS)** at each control location. Infinity's designs also included the instrumentation for the new clarifier and integration of the new instrumentation with the existing and new SCADA system. The entire SCADA system was PLC based system with fiber optic backbone interconnect between all remote cabinets to the chemical building main control location.



Finally, Infinity provided electrical designs for Jefferson Parish's **Camp Plauche Lift Station Upgrades**. This project involved the **replacement of existing 2400-volt pump motors with new 480-volt pump motors**. Electrical design included new electrical service which required **new 13,8KV to 480V transformers, capability for emergency generator connection** including connection and a manual transfer switch, a new 480V motor control center for the lower voltage motors for the new pumps as well as for service to existing 480V loads and single phase 120/240V transformer and panel for existing low voltage loads.

### **Understanding of Project/Familiarity**

Projects stemming from a routine electrical contract could entail street lighting as well as other miscellaneous electrical engineering services. Over the last 18 years, Infinity has worked along Jefferson Parish to provide electrical design services for a wide variety of project types. Most recently, Infinity served as the prime consultant to provide electrical design and construction administrative services for the installation of transfer switches to connect the electrical services of Parish gymnasiums to portable generators. Additionally, Infinity's engineers have provided street lighting electrical designs for the following Jefferson Parish projects:

- Causeway Boulevard Street Lighting
- Glenwood Drive Street Lighting
- Airline Drive Street Lighting
- Colony Place Street Lighting

### **Agency Experience**

Infinity is an established, full-service engineering design and consulting firm providing civil, structural, mechanical, electrical engineering, and construction administration services. We are eager to continue our strong working relationship with Jefferson Parish having already performed multiple projects involving sewer, water, street, and drainage designs.

Over Infinity's 18 years in business, our engineering team has created designs for several local, public municipalities throughout the State. Our electrical team holds extensive experience in preparing designs for electrical-based infrastructure projects. Infinity can unequivocally confirm our company meets and exceeds the minimum qualifications for selection on this project. Both principals of the company are respectively competent in their fields of mechanical engineering and civil/structural engineering. Additionally, each hold over eighteen years of experience in overseeing

## TEC Professional Services Questionnaire

designs in their respective fields. Both principals have been professionally licensed engineers in the State of Louisiana for thirty years. Additionally, Infinity Engineering has an extensive resume of experience coordinating with other agencies within the state and the needed understanding of public bid law.

Additionally, Infinity is on the forefront of the CMAR method of delivery, which is rapidly gaining favor with our public clientele. CMAR is short for "Construction Manager At Risk" and is essentially a collaborative effort between a public Owner, Engineer and Contractor. This process offers an alternative to the traditional Design-Bid-Build relationship that is customary with projects that follow the Louisiana Public Bid Law as defined by LA RS 38:2211. Previously enacted legislation has been expanded by LA RS 38:2225.2.4, allowing any Louisiana public entity to utilize the CMAR method of delivery.



**Canal Street Ferry Construction**

The statute provides reasons for using CMAR, which include collaboration and cost control; concurrent execution of design and construction; a complex project with a tight time frame; owner, designer, and contractor with mutual project goals; risk identification controlled by owner; and minimization of risk of construction and design disputes by using a collaborative process. Projects that exceed \$5.0 million are potentially eligible.

Infinity is currently in the construction phase of **(2) CMAR projects**. Infinity is the Prime Consultant for the Regional Transit Authority's \$35,000,000 Canal Street Ferry Project. The project involves technical knowledge of structural design on the Mississippi River, bridges crossing flood walls and railroad tracks, civil infrastructure within historic and iconic spaces, and mechanical and electrical design. Infinity is also the prime consultant for the Port of New Orleans \$5,000,000 Jourdan Road Wharf Reconstruction. This project also requires knowledgeable structural design on a navigable waterway. Infinity has first-hand experience in serving as the Owner's Engineer on CMAR projects that follow this Louisiana Revised Statute. We welcome the opportunity to explore this option with St. John Parish.

### **Current Workload**

Currently, Infinity is experiencing a time of growth, as we have recently added two Professional Engineers to our staff. This period of growth means Infinity does not have a significant backlog of project work. In fact, our engineering team has reached the completion of design for several projects allowing unimpaired resources for the professionals listed in the organization chart.

### **Performance history, including, without limitation, competency, responsiveness, cost control, work quality and the ability to meet schedules and deadlines.**

Across Infinity's history, the firm can look to reference letters provided by our clients that showcases Infinity's ability to work effectively and efficiently. As a firm, we take pride in these reference letters, as they show our dedication to providing quality consulting services is not only successful but also appreciated. Some of the highlights 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. 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

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.”**

Infinity’s only office is located in the **Fat City area of Metairie, LA**, minutes away from the various Jefferson Parish governmental offices. 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. If the scope of an assigned project dictates the need to work with other consulting firms, we welcome the opportunity to partner with other entities on the as-needed list.

My business partner and I have known each other since Freshman year of high school. We started Infinity with nothing more than our professional experience, registrations, a rolodex, and our reputations. Eighteen years and 37 additional employees later, Infinity has been built on successfully completing projects effectively and efficiently. I remind my employees frequently that the engineering community is small, and your reputation as a competent, honest, and capable person is the difference between a long and short career. Infinity’s growth, resilience and repeat business in the municipal and industrial sectors is proof of our reputation. I take great pride in that and expect to continue to build the same trust with Jefferson Parish.

### **Closing Statement**

Infinity’s growth, resilience, and repeat business in the municipal and industrial sectors is proof of our reputation. We take great pride in that and expect to continue to build the same trust with Jefferson Parish. As stated above, the professional electrical engineering services pool is an important endeavor for Jefferson Parish. Its success will afford comfort and convenience for present and future users, as the Jefferson Parish community continues to grow and thrive. Improved sanitation leads to a healthier 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 project. 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](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:** June 30, 2022



# Infinity Engineering, LLC. Organizational Chart

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

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

## Engineering and Operations

## Business Development & Marketing

## Finance and Administration

Rachel Kenney, P.E.  
*Chief Engineer*

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

Chelsea Patin  
*Business Development*

Rayna Guillot  
*Contracts & Accounting Administrator*

Eric Olson  
*Drafting and Design Technical Manager*

Stacie Davenport  
*Engineering Document Management*

Andrew Herbert  
*Marketing Coordinator*

Katherine Stephan  
*HR Administrator*

Lavon West  
*Senior Designer*

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

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

John Lawrence, P.E.  
*Project Engineer - Electrical*

Karson Kall, P.E.  
*Field Services Technical Manager*

Quoc Vu  
*Designer*

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

Robert Haydel  
*Project Engineer - Civil*

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

Gregory Pier, P.E.  
*Project Engineer - Electrical*

Michael Riviere, E.I.  
*Construction Engineer*

Diana Babineaux  
*Designer*

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

Caroline Christmas, E.I.  
*Project Engineer - Civil*

Andrew Conlin, E.I.  
*Project Engineer - Mechanical*

Gregory Lintinger, P.E.  
*Project Engineer - Electrical*

Leon Vial  
*Advanced Measurements Technician*

Jared Barcia  
*Designer*

Courtney Mai  
*Project Engineer - Civil*

Karson Kall, P.E.  
*Project Engineer*

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

Bart Lacombe  
*Project Engineer - Electrical*

Ryan Petit  
*Advanced Measurements Technician*

Roy Boudreaux  
*Designer*

Bryce Barrilleaux  
*Project Engineer - Civil*

Michael Riviere, E.I.  
*Project Engineer*

Dara Bird  
*Project Intern - Electrical*

Rodeny Zeigler  
*Construction Inspector*

Ricky Boudreaux  
*Designer*

Tim O'Quinn  
*Senior Drafter*

Wayne Williams  
*Construction Inspector*

Frank Cherry  
*Drafter*

Steve Thome  
*Construction Inspector*

Daniel Muhsin  
*Drafter*



**"RE-BUILDING THE CITY'S WATER SYSTEMS FOR THE 21<sup>ST</sup> CENTURY"**

# **Sewerage & Water Board OF NEW ORLEANS**

625 ST. JOSEPH STREET  
NEW ORLEANS, LA 70165 • 504-529-2837 OR 52W-ATER  
[www.swbno.org](http://www.swbno.org)

February 23, 2021

Re: Rodney Ziegler – Resident Inspector

To Whom It May Concern:

The Sewerage & Water Board typically contracts with firms to supply a Resident Inspector to observe activities at a construction site. In this case, the project site was Drainage Pump Station 17/Station D at the S&WB's Central Yard. Construction included several critical areas of the building originally built in 1898.

The structural rehabilitation of this historic masonry station required a unique proprietary system of steel cross stitching, the addition of large bore stainless steel enhancement bars and grouting the walls solid from the inside out. Structural steel was added to tie in the new enhancements to the existing roof truss system, the roof diaphragm reinforced, and a new roof installed.

Throughout the process, Mr. Ziegler showed a clear understanding of the contract requirements and the processes involved. He provided continuous, clear reports and communications to the design team to be able to understand construction issues and conditions. This was instrumental, as it kept the project moving in a timely manner.

At this drainage pump station, it is imperative that S&WB equipment remain safe and operational. Mr. Ziegler provided continuous and timely communications to the contractor, the design team and to Sewerage and Water Board operations personnel, at all levels, to help maintain equipment safety and operational integrity.

In addition to the structural rehabilitation, Mr. Ziegler provide excellent reporting of other architectural features, including the new masonry façade, a new break area and bathroom, and the replacement of the collapsed main building slab.

This was a large and complicated project on a historic building with unique issues. I would like to say that Mr. Ziegler's exemplary written reports, verbal communications and pictures, as well as his engagement and responsiveness helped move this project forward and bring it to a safe and successful completion.

Based on my experience, I am confident in his abilities and recommend him for any construction activity.

Sincerely,

Daniel Avalos, P.E.  
Sewerage And Water Board of New Orleans  
Civil Engineering Department  
[davalos@swbno.org](mailto:davalos@swbno.org) / (504) 250-0231



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

**INTERNATIONAL**  **MATEX**

**St. Rose Terminal:** P.O. Box 159 • 11842 River Road • St. Rose, Louisiana 70087  
Phone: (504) 468-3997 • Fax: (504) 469-8699

June 12, 2018

To Whom It May Concern:

International Matex Tank Terminals (IMTT) is a storage facility for bulk liquid products. Liquid products are brought in and shipped out by ships and barges, truck and rail.

We typically utilize consulting engineers for design assistance on large projects that require disciplines such as civil/structural, mechanical, electrical, and instrumentation.

IMTT has used Infinity Engineering Consultants for civil/structural and mechanical services on projects such as the design of new methanol pipelines from the terminal to the docks, the design of docks and mooring structures, and several new and refurbished storage tanks.

Infinity has always been accommodating and cooperative through several years of working with IMTT. Their proposals have been competitive and on budget; and design drawings have been delivered in a timely manner. Infinity is pleasant to work with and committed to doing a good job.

I would recommend Infinity.

Sincerely,



Wardlaw Witherspoon

Director of Engineering and Maintenance