



## Routine Engineering Services For Drainage Projects



Routine Engineering Services  
for Drainage Projects  
Jefferson Parish Government  
SOQ 24-015  
Resolution No. 144202

### 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)

June 21, 2024





# INFINITE CAPABILITIES BOUNDLESS POTENTIAL



## Contact Persons



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



William J. Thomassie, P.E.  
Principal Partner  
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Nickie Monica  
Director of Business Development  
nmonica@infinityec.com

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Purchasing Specialist II  
Jefferson Parish Purchasing Department  
General Government Building  
200 Derbigny Street, Suite 440  
Gretna, LA 70053

Re: Routine Engineering Services for  
Drainage Projects in Jefferson Parish  
Resolution No. 144202 | SOQ 24-015

Infinity Engineering Consultants, LLC is pleased to present our firm's professional engineering services qualifications to Jefferson Parish for the engineering design of routine drainage projects. Upon reading the published request for qualifications and project scope, we believe Infinity's team meets and exceeds the necessary qualifications to undertake any assigned engineering designs to improve drainage systems across Jefferson Parish.

## Understanding of Scope

Infinity Engineering understands the scope of work entails providing professional engineering design services on an as-needed basis for drainage projects. These projects can be assigned in locations across Jefferson Parish, and should not exceed \$500,000 per assignment.

## Infinity Qualifications

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

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

For over 20 years, Infinity has been integrally involved with the assessment, engineering design, and construction of municipality utilities across the Gulf Coast. With projects ranging from drainage inlets replacement to drainage pump station refurbishments, Infinity has the experience and the knowhow to design each element of any assigned drainage-related projects. As a Metairie, LA based firm, Infinity holds a vested in our community improvements. With an office only minutes from any job site, Infinity will be able to quickly respond to the needs of Jefferson Parish.

While Infinity has not engaged with any subconsultants for this RFQ, Infinity recognizes the need may arise to engage with subconsultants who are experts within their given field. We welcome the opportunity to work alongside these firms and can provide subconsultant recommendations based on partnerships Infinity has formed.

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

### **Firm State Licensing**

We steadfastly confirm the following:

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

### **Documents Enclosed**

- Transmittal Letter
- Infinity Engineering TEC Form
- Reference Letters

### **Closing**

Infinity takes great pride in the engineering consulting services we have provided to stormwater solutions across the Gulf Coast. We are confident that we have assembled a team of engineers and design professionals that can effectively and efficiently execute any assigned project. We respectfully request the Evaluation Committee to select Infinity Engineering Consultants for this important as-needed infrastructure list, so we can continue to work together to improve the communities across Jefferson Parish.

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 last name "Chauvin" being more prominent and followed by "III".

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

## **TEC Professional Services Questionnaire**

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

**Routine Engineering Services for Drainage Projects**  
Resolution No. 144202

### **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.**

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

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

<u>4</u> Administrative	<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> <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:**

27 total Infinity personnel could assist in the design of any drainage projects stemming from this as-needed list.

## TEC Professional Services Questionnaire

**K. List the professional in charge, key persons, specialists, and individual consultants anticipated for this Project and provide their relevant information below. If necessary, please attach additional documentation (i.e. resume) that demonstrates the employment history and experience of the Firm's key persons that may assist in the completion of this Project. Please attach additional pages if necessary.**

### **PROFESSIONAL IN CHARGE OF PROJECT:**

**Name & Title:**

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

**Project Assignment:**

Principal-in-Charge;  
Civil/Structural Engineering Advisor

**Name of Firm with which Associated:**



Infinity Engineering Consultants, LLC.

**Years' experience with this Firm:**

20

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

Bachelor of Science / 1992 / Civil/Structural Engineering

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

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

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

As Principal Partner of Infinity Engineering Consultants, William J. Thomassie, P.E. is one of the firm's registered supervising professionals and is responsible for the management of all engineering production. For marine based projects, Mr. Thomassie's civil/structural education, training, and experience are relied upon to directly provide design supervision, cost estimation, and public outreach coordination. With many of Infinity's projects requiring up to \$45,000,000 for installation or modifications, Mr. Thomassie's guidance in shaping of designs, along with construction support, has enabled project completion on schedule and with minimal adverse impact on commerce in the area.

Additionally, Mr. Thomassie's expertise in marine-based engineering design has been called upon to serve as an expert consultant and witness in cases involving marine facility damage. Mr. Thomassie has been recognized by courts as being an "Expert" in marine structural matters in several legal jurisdictions, providing testimony to the U.S. Court of Appeals, Fifth Circuit; Lafourche Parish Court; and St. Tammany Parish Court. Mr. Thomassie's drainage related engineering experience includes:

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

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

#### **Wedmore Drainage Improvements – Marrero, LA**

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

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

## **TEC Professional Services Questionnaire**

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

### **Bannerwood Drainage Improvements -Timberlane, LA**

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

### **Seatrain Road Improvements – Belle Chasse, LA**

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

### **Meco and Southern Scrap Pumping Stations – New Orleans LA**

Project manager for the structural design of the replacement two sewerage pumping stations, which replaced those destroyed by Hurricane Katrina. The buildings are pile supported with concrete basement slab below grade. Concrete walls extend to grade and support CMU walls and a steel stud framed, standing seam metal roof.

### **Ollie Basin Drainage Study and Pump Station Expansion – Jesuit Bend, LA**

Principal for the Ollie Drainage District capacity evaluation project. The project included the evaluation of runoff characteristics for a 3,000-acre basin and the evaluation of the adequacy of an existing pumping station with 5 pumps. Project manager for the design of the **600 cfs drainage stormwater pump station addition** (\$16,200,000 total construction cost). Responsible for overall project coordination and design. Supervised all civil and structural designs including deep foundations, concrete structures, steel building structures, dredging, vehicular bridges, roads, and canals.

### **Raw Water Pump Intake Structure Design – Lake Charles, LA**

Principal and lead engineer for structural engineering design for a new fire water system on behalf of Conoco Phillips for their Clifton Ridge Terminal along the Calcasieu River. The foundation structure designs (slabs, walls, bracing, etc.) included steel-reinforced piles and decking. Designs also included a **sluice gate for water intake** and steel grated walkway for pedestrian use.

### **Dalcour Water Treatment Plant Refurbishment – Dalcour, LA**

Principal for the repair design with hazard mitigation of all structural, civil, mechanical, and electrical engineering components for multiple damaged facilities. Damage to the plant required the need for complete replacement of monopile supported water intake structure, electrical components, and mechanical equipment.

### **East Bank Wastewater Treatment Plant Flood Protection – New Orleans, LA**

Principal and lead engineer for civil and structural designs for a **new flood protection berm** at the Sewerage & Water Board's Florida Avenue Wastewater Treatment Plant. For the \$30 Million Construction project, plans and specifications were provided for the design of secure flood gates, flood walls, electrical transmission and road and piping crossings for plant flood protection.

## TEC Professional Services Questionnaire

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

#### Name & Title:

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

#### Project Assignment:

Chief Engineer &  
Senior Structural Engineer

#### Name of Firm with which Associated:



Infinity Engineering Consultants, LLC.

#### Years' experience with this Firm:

14

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

Bachelor of Science / 2001 / Civil Engineering

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

Professional Engineer – Civil Engineering  
LA / 2013 / Civil

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

As a Civil/Structural Engineer, Ms. Kenney is responsible for structural and civil design, site inspection, cost estimating, permitting, project management, specification development, and bid package development. Specific major project relevant to Jefferson Parish's need for drainage conveyance and roadway rehabilitation includes:

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

Project Engineer for the design of drainage improvements for existing drainage system, involved **replacement of open ditches with pipes and catch basins**. Civil design and construction administration were also provided. The project required conflict resolution to design around an existing major natural gas transmission line.

##### Ollie Basin Drainage Study – Jesuit Bend, LA

Project Engineer for the Ollie Drainage Basin Study. **Collected storm data and topographic information to determine inadequacies in the drainage collection system** and made recommendations for improvements. The study led to the expansion of the Ollie Drainage Pump Station.

##### Lake Park Drainage Improvements – Belle Chasse, LA

Performed a drainage study of the Lake Park Annex subdivision to determine the cause of local flooding. The study included a **topographic survey** of streets, home slabs, manholes, and inverts, and a video inspection of the drainage system. Sources of the drainage problem were identified and recommendations for corrective measures were provided.

##### Sewerage and Water Board of New Orleans East Bank Wastewater Flood Protection System – New Orleans, LA


Provided civil and structural designs for a new flood protection berm at the Wastewater Treatment Plant. For the \$30 million construction project, plans and specifications were provided for the design of secure flood gates, flood walls, electrical transmission and road and piping crossings for plant flood protection. The project included design of a **18'-0" high X 3'-0" thick X nearly one (1) mile long reinforced concrete floodwall**, with continuous pilecap/footing and steel H-piles. Infinity designed the portion of the wall at the entrance, as well as the steel vehicular and railroad floodgates and associated drainage and paving.

##### Meco and Southern Scrap Sewer Pumping Stations – New Orleans, LA

Responsible for the structural design of the replacement of two sewer pumping stations. The buildings are pile supported with concrete basement slab below grade. Concrete walls extend to grade and support CMU walls and a steel stud framed, standing seam metal roof. Foundation design included review of geotechnical reports.



## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Louis Jackson, P.E.</b> Operations and Quality Control Manager
<b>Project Assignment:</b>
Project Manager Quality Control Manager
<b>Name of Firm with which Associated:</b>
 <b>Infinity Engineering Consultants, LLC.</b>
<b>Years' experience with this Firm:</b>
4
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 1995 / Civil/Structural Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer – Civil Engineering LA/2001/Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><b><u>City-Wide Drainage Master Plan, New Orleans – Louisiana</u></b>            Served as the <b>project manager</b> for the \$2M City of New Orleans Drainage Master Plan Project. Project Management responsibilities included development of a detailed budget for completion of the project along with development of a detailed project work plan which addressed a multitude of project aspects, including communications and coordination of efforts and quality management. Post project activities have involved becoming a noticeable and credible resource to both governmental and non-governmental organizations seeking to further stormwater management in the New Orleans Metropolitan Region.</p> <p><b><u>Pontilly Stormwater HMGP Project, New Orleans – Louisiana</u></b>            Served as the senior project manager as well as <b>task leader</b> for the <b>environmental assessment, permitting, cost estimating, and community outreach tasks</b> for the Pontilly Stormwater HMGP Project. Responsibilities included development of initial and updated project budgets and schedules, completion of a preliminary and final Draft Environmental Assessment, participation in multiple formal and informal community meetings, and completion of required permit applications and cost estimates. Because of the nature of the project close coordination has been required across multiple agencies and departments who have a stake in the success of the project.</p> <p><b><u>Broadmoor Drainage Upgrades and Green Infrastructure Project – New Orleans, Louisiana</u></b>            Senior project manager and lead engineer to guide a multi-disciplined team through the <b>development of a schematic design report and schematic design documents for a project aimed at improving stormwater management</b> within multiple New Orleans Neighborhoods on a very aggressive schedule. Responsibilities included managing landscape architects and civil engineers through the development of a systematic approach to improving the stormwater management aspects of the existing system, effectively increasing the capacity of the system at a lower cost than traditional methods.</p> <p><b><u>Drainage System Engineering Analysis Project – New Orleans, Louisiana</u></b>            As the project manager and engineer of record for the cleaning and CCTV inspection of over 550K LF of drain lines throughout the City of New Orleans, responsible for the <b>development of an approach to determine appropriate pipe repair recommendations</b> for pipes that were confirmed damaged by Hurricane Katrina. This included coordinating data collection and management efforts as well as working within a GIS environment to <b>evaluate and create 60 reports with pipe repair recommendations</b>.</p>

## **TEC Professional Services Questionnaire**

### **DPS 01 Watershed Drainage Upgrades & Green Infrastructure – New Orleans, Louisiana**

As lead engineer led multi-disciplined team through development of schematic design report documents for **improving stormwater management within multiple New Orleans Neighborhoods on a very aggressive schedule**. Responsibilities included managing landscape architects and civil engineers through the development of a systematic approach to improving the stormwater management aspects of the existing system, effectively increasing the capacity of the system at a lower cost than traditional methods.

### **City-Wide Neighborhood Roadway Repairs – New Orleans, Louisiana**

Project manager and engineer of record responsible for the **development of construction contracts and negotiations for repair of roadways** across multiple New Orleans neighborhoods. Specific activities included inspecting damaged roadways to develop cost estimations, developing construction documents, and **administering all elements of multimillion-dollar construction contracts**.

### **Adele and Fulton Street Reconstruction Project – New Orleans, Louisiana**

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

### **Marigold Street Drainage Improvements – Mount Airy, Louisiana**

Served as project manager and lead engineer/designer for the evaluation and design of roadway drainage improvements along Marigold Street and Belette Street. The project included development of an H&H Model using EPA SWMM, calculating required pipe sizing, as well as designing new pipe invert elevations and grade.

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

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

## TEC Professional Services Questionnaire

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

#### Name & Title:

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

#### Project Assignment:

Civil/Structural Engineering Manager

#### Name of Firm with which Associated:



Infinity Engineering Consultants, LLC.

#### Years' experience with this Firm:

7

#### 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:

Mr. Contreras holds more than 27 years of experience in civil engineering. He has been responsible for the development and implementation for project coping, schedules, budgets, and design review for a variety of civil engineering projects. Specific major project relevant to Jefferson Parish's need for drainage conveyance and roadway rehabilitation includes:

##### West Metairie Avenue & Embankment 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 for West Metairie Avenue. 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 enter the canal within the median, and implementation of stabilization measures to the embankments of the canal.

##### Brookter Street Floodgate Design and Construction – Slidell, LA

Provided technical assistance for the design of a **flood gate** that is a self-deploying buoyant gate activated by rising water. A foundation to contain the retracted gate along with wing walls to integrate into the existing levee system and new roadway approaches were constructed.

##### Conway Bayou Drainage Pump Station Expansion – Sorrento, LA

Technical lead responsible for providing engineering services associated with the expansion of the Conway Bayou Drainage Pump Station in Sorrento, LA. Project components included preparation of detailed construction drawings for **two new diesel driven pumps** housed in a new steel/concrete structure adjacent to the existing building. The Civil design included existing reservoir design modifications and a new pump intake area. Project was funded through the FEMA Hazard Mitigation Grant Program.

##### Belle Point Drainage Pump Replacement – Reserve, LA

Project Manager for the design of **two new pump stations to improve the existing drainage** of the Belle Point neighborhood. The pumping stations include submersible pumps and power systems located below grade in a wet well within the right-of-way of the street and are capable of handling 70,000 GMP of storm water.

##### Pritchard Ditch Drainage Improvements – Marrero, LA

Technical lead responsible for the design and development of the Pritchard Ditch Drainage Improvements. The improvements included replacing a reach of drainage canal with box culverts and headwalls. Responsibilities included

## TEC Professional Services Questionnaire

analysis of drainage conveyance capacity, box culvert and headwall design and placement including the development of construction documents (Specifications and Plans and cost estimate).

### Westgate Drainage Improvements – Metairie, LA

Responsible for the design and coordination of multi-discipline consultants for **drainage improvements for sub-basin 1 thru 11** for Jefferson Parish. Scope of work included the design and construction of two pump stations, the addition of drainage check valves in canal, electrical requirements, structural design for generators and fuel tanks, and partial reconstruction of an existing roadway. Repairs include approximately 3,200 linear feet of 36" reinforced concrete pipe arch, 8,800 square yards of concrete roadway replacement, relocation of utilities, including, water and sewer house connections, and construction of a 30 cubic foot per second and 25 cubic foot per second pump stations.

### Bannerwood Drainage Phase II – Timberlane, LA

Responsible for **construction management** of project. Duties included overseeing and managing construction progress and schedules, submittal reviews, review and approval of invoices, and project closeout, participating in progress meetings, resolving construction issues, and coordinating day to day operations for Resident Inspector.

### Rivet Boulevard New Drainage and Roadway – Waggaman, LA

Responsible for design of a new roadway, which included design of a new water distribution system, **drainage analysis and design**, approximately 150 l.f. box culvert crossing, and construction of a new roadway approximately 8,180 l.f.

### Azalea Drive Extension – Westwego, LA

Responsible for design of a new roadway extension, which included construction of a new water distribution system, **drainage analysis and design**, approximately 80 linear foot box culvert crossing, and extension of an existing street, approximately 3,010 linear feet.

### Hero Drainage Pumping Station – Jefferson Parish, LA

Project Manager responsible for the **evaluation and design of new bar screens** for the existing 12 bay bar screens and a new auto-rake system to be attached to the existing bridge and containment of collected debris.

### Oak Street Water Intake Modifications – New Orleans, LA

Responsible for designing a replacement system for two existing 48" diameter steel raw water lines, which included abandoning the existing raw water lines in place and backfilling both lines with a flowable concrete fill, construction of a **new vacuum pump station** to provide automatic priming for the intake lines, realignment of the new raw water lines over the top of the existing levee, raising a portion of the existing levee, and **jacking and boring the two new 48" diameter steel pipes** beneath an existing railroad track.

### Channel Excavation and Sediment Removal of Bayou Terre Aux Boeufs – St. Bernard Parish Govt.

Responsible for the contract administration for sediment and debris removal for **40,214 linear feet of drainage canals, which included the excavation of 119,580 cubic yards of sediment**, spoil disposal, and debris removal along the length of the canal, coordination with NRCS, LaDNR, and Parish officials.

### Louisiana Army National Guard Army Aviation Support Facility #1 – Hammond, LA


Responsible for the site design for a 69.58-acre site for the Hammond Airport including site clearing, grading, design of on-site retention ponds for over 95.93 acres, surface parking lots, domestic and fire water distribution systems, sewer system, gas system, taxiway and apron pavements, and over 4,500 linear feet of **concrete roadway and drainage in compliance with SPiRiT – gold**.

### Emergency Repairs to Braithwaite/Scarsdale Levee – Plaquemines Parish LA


Responsible for the design and construction administration of repairing scour holes and restoring approximately 89,700 linear feet of the existing levee to pre-Hurricane Gustav and Ike conditions, repairs to a failed section of the levee approximately 290 linear feet, and realignment of an existing drainage canal and backfilling of the old canal. Repairs included removal of 3,901 cubic yards of storm generated debris, placement of 7,745 tons of 610 limestone, and 142,445 cubic yards of clay embankment.



## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Cindy Gallo, P.E.</b> Project Delivery Manager
<b>Project Assignment:</b>
Structural Project Engineer
<b>Name of Firm with which Associated:</b>
 Infinity Engineering Consultants, LLC.
<b>Years' experience with this Firm:</b>
9
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2014 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer – Civil Engineering LA/2019/Civil
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><b><u>Conway Bayou Drainage Pump Station Expansion – Sorrento, LA</u></b>            Project manager responsible for leading a team of civil, structural, mechanical, and electrical engineers to provide engineering services for a drainage pump station expansion. Project components included a feasibility study to determine potential solutions to increase pumping capacity, followed by detailed construction drawings. Final designs included the specification of <b>two new diesel driven pumps</b> housed in a new steel/concrete structure. Civil designs included existing reservoir design modifications and a new pump intake area.</p> <p><b><u>Belle Point Drainage Pump – Reserve, LA</u></b>            Assisted with the initial <b>drainage calculations using the Louisiana DOTD Hydraulics Program</b>, HYDR2009. This project consisted of a hydrology and hydraulic study for the watershed area in a Belle Point subdivision to identify flood susceptibility and the design of submersible storm water pump stations.</p> <p><b><u>Port of New Orleans Patterson Pump Station – Belle Chasse, LA</u></b>            Part of the structural team that was responsible for the design and <b>model of a new steel platform</b> in RAM Elements. This project consisted of performing engineering services associated with maintenance and improvements for the Patterson Drainage Pump Station.</p> <p><b><u>Shintech Water Intake Platform – Plaquemine, LA</u></b>            Project manager of the engineering team responsible for the civil, structural, mechanical, electrical and instrumentation designs of a new EPA 316B compliant river <b>water intake platform</b> to provide raw/untreated water via a 30-inch pipeline to clarification units within Shintech's SPP3 Plant. Project components included performing topographic and hydrographic surveys, as well as the design of the concrete intake platform and vehicular access bridge supported by steel pilings/substructures, levee crossing and modifications, piping layouts, pipe support design, hydraulic analyses, and power and instrumentation as required for the platform.</p> <p><b><u>St. Charles Parish Water Intake Platform Repair – Norco, LA</u></b>            Project manager of the engineering team responsible for the structural and electrical designs of the repairs to St. Charles Parish's east bank river water intake platform. Project components included performing hydrographic surveys and specification of removal of the damaged structures, as well as the design of the pump skid stabilization, concrete deck/pile cap repairs, and <b>new steel support piles</b>. Designs also included the implementation of multiple monopiles to serve as protection piles for the structure as well as a new prefabricated building to house all required electrical equipment necessary for pump and crane operations.</p>

## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Robert Haydel</b> Civil Project Designer
<b>Project Assignment:</b>
Hydrologic and Hydraulic (H&H) Study
<b>Name of Firm with which Associated:</b>
 Infinity Engineering Consultants, LLC.
<b>Years' experience with this Firm:</b>
4
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2005 / Physics Master of Science / 2007 / Civil & Environmental Engineering
<b>Active registration: Year first registered/discipline:</b>
N/A
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p>With over 14 years of civil engineering experience, Robert Haydel is proficient in construction and project management with experience in managing grant proposals. Mr Haydel's specialties include infrastructure assessment, stormwater system design, and urban hydraulics/hydrology modeling. Specific major project relevant to Jefferson Parish's need for drainage conveyance and roadway rehabilitation includes:</p> <p><b><u>MSY Airport Stormwater Management Master Plan – Kenner, LA</u></b>            Under the direction of Infinity's engineer of record, led Infinity's team in conducting <b>field investigations of major drainage facilities</b> at Louis Armstrong International airport, as part of a stormwater management master plan. Responsibilities included applying the US EPA Storm Water Management Model to the development of a baseline condition hydrologic and hydraulic model for the stormwater system. The master plan culminated in a report consolidating the team's analysis to inform future decisions on stormwater systems at MSY airport.</p> <p><b><u>City of New Orleans Stormwater Drainage Master Plan – New Orleans, LA</u></b>            As part of CDM Smith's City of New Orleans Stormwater Drainage Master Plan, <b>analyzed New Orleans stormwater conveyance capabilities</b> and modeled the performance of the drainage system utilizing Storm Water Management Model (SWMM). Identified potential flood hazard areas throughout the city and provided recommendations for city drainage improvements utilizing green infrastructure techniques.</p> <p><b><u>Estelle Drainage Pump Station Addition Study – New Orleans, LA</u></b>            Under the direction of Infinity's engineer of record, led a team in evaluating the drainage capacity expansion for Estelle DPS No.2. The project team <b>evaluated the existing intake and discharge basins, existing electrical services, existing pumping capacity</b>, and existing site to develop a decision matrix with various expansion alternatives. Ultimately, the team will draft a project report detailing the study and providing Jefferson Parish a recommendation to achieve an additional 2,000 cfs pumping capacity at Estelle DPS No.2.</p> <p><b><u>Bainbridge Canal Closure &amp; Roadway Improvement – Kenner, LA</u></b>            Under the direction of the engineer of record, led Infinity's team as project manager in the development of the Bainbridge Canal realignment. The improvements included <b>relocating a 1000 ft reach of drainage canal</b> and the design of a 200 GPM sewer lift station. Responsibilities included analysis of drainage canal cross sectional layout, drainage outfall connections, adjacent infrastructure utilities, and alignment with downstream headwall. Additionally, developed construction documents and cost estimate.</p>

## TEC Professional Services Questionnaire

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

#### Name & Title:

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

#### Project Assignment:

Mechanical Engineering Project Lead

#### Name of Firm with which Associated:



Infinity Engineering Consultants, LLC.

#### Years' experience with this Firm:

7

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

Bachelor of Science / 2008 / Mechanical Engineering

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

LA PE. No.39645 / 2015 / Mechanical

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

Ms. Kelly holds over fourteen years of mechanical engineering experience, including more than five years in major capital oil and gas consulting. Ms. Kelly has served as a mechanical technical lead in phases ranging from design conception to field installation and startup. As Mechanical Engineering Manager, Ms. Kelly oversees all mechanical designs and deliverables.

#### Conway Bayou Drainage Pump Station Expansion – Sorrento, LA

Project engineer responsible for leading mechanical design team in engineering services associated with a proposed expansion of the Conway Bayou Drainage Pump Station. The final design included **two diesel-driven pumps** with right angle gear drives and formed suction intakes, as well as modifications to the diesel fuel storage and piping systems. Project responsibilities included **equipment sizing and selection**, design of engine fueling system, and development of drawings, specifications, and project documents.

#### Planters Pump Station Replacement Design – Jefferson Parish, LA

Project engineer responsible for project management and mechanical engineering design for the **replacement of engines and refurbishment of gears** at Jefferson Parish's Planters Pump Station. Project responsibilities included project coordination, site visits, specification of equipment, design of engine cooling system, and development of drawings, specifications, and project documents.

#### 16th Ave. Pump Building Rehabilitation – Covington, LA

Project manager responsible for the **replacement of controls and electrical systems** at a municipal water pumping building. Project responsibilities included meeting with client's representatives to define scope objectives, coordinating project schedule and deliverables, and participating in project status meetings.

#### Sewerage and Water Board New Orleans West Power Complex Non-C7 Tie-Ins – New Orleans, LA

Project manager responsible for leading a team in providing civil, mechanical, structural, and electrical designs for utility connections to the new West Power Complex (WPC) at SWBNO's Carrollton Water Plant. Utility connections include **electrical duct bank, water, sewer, and fuel oil**. Project components included performing laser scanning to develop 3D point cloud, and developing civil, electrical, piping, and structural designs in a 3D model for design coordination.

#### LSU Science Zone Utility Infrastructure Improvements – Baton Rouge, LA

Project manager responsible for leading a team to provide civil and electrical designs for the replacement and upgrades of existing utility infrastructure in the "Science Zone" on LSU's Baton Rouge campus. Project designs included replacement and/or repairs to the **chilled water, drainage, steam & condensate, domestic water**, telecommunications, and electrical systems. Project responsibilities included coordinating and participating in site visits, coordinating with subconsultants for topographic and SUE surveys, and leading the project team in the development of detailed construction drawings and opinions of probable cost.

## TEC Professional Services Questionnaire

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

#### Name & Title:

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

#### Project Assignment:

Mechanical Engineering Advisor

#### Name of Firm with which Associated:



Infinity Engineering Consultants, LLC.

#### Years' experience with this Firm:

20

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

Bachelor of Science / 1990 / Mechanical Engineering

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

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:

As Principal Partner of Infinity Engineering Consultants, Mr. Chauvin is responsible for all mechanical system designs. Included in those responsibilities are client interface, site inspection and evaluation, contract negotiation, project management, design, and drafting supervision. Mr. Chauvin's professional 32-year career has revolved around providing cost effective, efficient design solutions for municipalities, offshore oil, and inland marine terminals.

#### Ollie Basin Drainage Study and Pump Station Expansion – Jesuit Bend, LA

Lead mechanical engineer for a new \$16.5MM **600 CFS drainage pump station addition**. Evaluated existing pumps to determine suitability of present and future demands. Additional fuel, air, and water supply systems were designed to support the new pumps. Additionally, specified new pumps, diesel engines, and gears based on the hydraulic requirements, including future Corps of Engineers levee modifications.

#### 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; and checking the elevation of the discharge piping against the flood protection requirement.

#### St. John the Baptist Parish Belle Point Drainage Pumping Station – Laplace, LA

Principal engineer and mechanical engineering supervisor for the **design of two new pump stations** to improve the existing drainage within Belle Point neighborhood. The pump stations included submersible pumps and power systems located below grade within the right-of-way of the street and is capable of **handling 70,000 GMP of storm water**.

#### Amoretti & Fort Jackson Sluice Gates – Buras, LA

Lead Engineer responsible for damage assessment and repair design for mechanical components of these flood control drainage structures. Coordinated with Plaquemines Parish operations and FEMA personnel for strategic planning of repairs operations, including hazard mitigation techniques. Both drainage control stations required the replacement of mechanical gates and gear mechanism.

#### Sewerage and Water Board of New Orleans Drainage Pump Stations 4, 13, 17, 19 – New Orleans, LA

Lead mechanical engineer for repair design of four Sewerage & Water Board pumping stations. **Repair included motors, pumps, valves, piping, and HVAC**. Engineered designs also incorporated components to mitigate future damage to the facilities and equipment in the event of another natural disaster.



## TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
<b>Name &amp; Title:</b>
<b>Matthew Torres, P.E.</b> Electrical Project Engineer
<b>Project Assignment:</b>
Electrical Project Engineer
<b>Name of Firm with which Associated:</b>
 <b>Infinity Engineering Consultants, LLC.</b>
<b>Years' experience with this Firm:</b>
2
<b>Education: Degree(s)/Year/Specialization:</b>
Bachelor of Science / 2017 / Civil Engineering
<b>Active registration: Year first registered/discipline:</b>
Professional Engineer – Civil Engineering LA/2022/Electrical      TX/2022/Electrical
<b>Other experience and qualifications relevant to the proposed Project:</b>
<p><b><u>Jefferson Parish Water Department New Electrical Generators – Marrero, LA</u></b>            Project engineer for the design to upsize <b>new backup generators from 750kW to 1MW</b> to provide for the full redundant power of the system at the Jefferson Parish water plant in Marrero, LA. The additional capacity required the modification of the existing switchgear to accommodate the new size of the backup generators to allow them to provide their maximum power. The new generators were designed to be diesel powered with a new day tank connected in parallel to the existing day tank with a new transfer valve between both tanks.</p> <p><b><u>Avondale North Sewer Lift Station Generator – Avondale, LA</u></b>            Lead electrical engineer responsible for the generator and power system replacement design for the lift station. Project tasks included generator and electrical equipment sizing calculation, development of engineering design package including one line and equipment drawing, equipment specifications, and coordination with other disciplines.</p> <p><b><u>Hahnville High School MEP Additions – Bouttee, LA</u></b>            Project manager for the facility renovations and addition of a Career &amp; Technical Education learning space to Hahnville High School. In conjunction with the lead architect, designs included plumbing and HVAC systems for the new space, as well as electrical power service and distribution. Additionally electrical designs included <b>communication systems and interior lighting plans</b>. Throughout the construction phase, provided construction administration services with periodic site visits and review of contractor submittals.</p> <p><b><u>St. Charles Parish Public Schools Satellite Center MEP – Luling, LA</u></b>            Project manager for the facility renovations and addition of a Career &amp; Technical Education learning space to the St. Charles Parish Public Schools Satellite Center in Luling, LA. In conjunction with the lead architect, designs included plumbing and HVAC systems for the new space, as well as <b>electrical power service and distribution</b>. Additionally electrical designs included communication systems and interior lighting plans. Throughout the construction phase, provided construction administration services with periodic site visits and review of contractor submittals.</p> <p><b><u>Upper Barataria Risk Reduction Barge Gate Electrical Design</u></b>            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, stand-by-generator</b>, navigational aids, power distribution, and controls. These designs included all electrical systems including conductors, transformers, electrical distribution equipment, and transfer switches.</p>

## TEC Professional Services Questionnaire

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

**Name & Title:**

**Bart Lacombe**  
Electrical Project Designer

**Project Assignment:**

Electrical Project Designer

**Name of Firm with which Associated:**



Infinity Engineering Consultants, LLC.

**Years' experience with this Firm:**

5

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

Bachelor of Science / 2007 / Civil Engineering

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

N/A

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

**Camp Plauche Lift Station Rehabilitation – Harahan, LA**

Under the direction of the engineer of record, coordinated 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**. Infinity's electrical designs included the new electrical service which required new transformers and a new motor control center for the lower voltage motors for the pumps. The designs also included a new PLC pump control system which will be integrated into most station operations.

**Ochsner H3-3 Lift Station Pump Replacement – Jefferson, LA**

Under the direction of the engineer of record, assisted with **electrical design and development of drawings for pump replacement** for the existing lift station and evaluation and design of new electrical distribution system. Infinity's designs included the electrical service and new pump controls.

**Laurel & Mistletoe Street Lift Station Rehabilitation – Metairie, LA**

Under the direction of the engineer of record, assisted with the development of electrical and control system designs for the rehabilitation of the sewage lift station. Infinity's electrical designs included **replacement of the electrical service equipment** with provisions for a temporary generator connection, the electrical distribution for the pumps, lighting, and receptacles in the dry well. The control system designs included replacement of the SCADA and telemetry equipment.

**Planters Pump Station Refurbishment – Jefferson Parish, LA**

Under the direction of the engineer of record, assisted with electrical design and development of drawings for **replacement of pump engines, interface with existing control systems, and refurbishment of pump gears**.


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

Under the direction of the engineer of record, assisted with electrical and instrumentation design and development of drawings for construction of a **new river water pumping platform**. The electrical design included the main electrical service connection to plant electrical, cable tray design, platform distribution involving a 480V panelboard, stepdown transformer and panel for servicing lighting and receptacles and lighting design. Infinity's instrumentation design included connection to plant instrumentation, platform distribution involving instrument junction boxes and instrument cable tray required for integration for platform instruments.

**St. Charles Parish Water Intake Platform Repairs – St. Charles Parish, LA**

Under the direction of the engineer of record, assisted with electrical design and development of drawings for **replacement of electrical equipment and special systems** on the collapsed section of the water intake platform. The project scope was to re-establish platform electrical service including main electrical service connection to plant electrical, platform distribution involving a 480V MCC, pump VFDs and control wiring, stepdown transformer and panel for servicing lighting and receptacles and lighting design. The special systems included CCTV cameras and gate access.


## TEC Professional Services Questionnaire

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

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


## TEC Professional Services Questionnaire

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

### PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Bannerwood Drainage Improvements</b> Harvey, LA Jefferson Parish Government Neil Schneider 504-736-6833	<p>Infinity provided engineering design and drainage improvement within the Bannerwood Subdivision totaling 3-quarter square mile of residential neighborhood. This two-phased project consisted of <b>upgrading subsurface drainage on four (4) outfalls</b> from the Bannerwood Subdivision to the Oakwood Canal, as well as improvements to the subsurface drainage systems along Willowbrook Drive.</p>  <p>The upgrading included miscellaneous improvements to <b>lateral drainage connections and replacement of disturbed street, driveways, sidewalks, and utilities.</b> The designs submitted by Infinity were all created in accordance with the Jefferson Parish West Bank Subsurface Drainage Improvement Program prepared by Parish Engineers. Careful consideration was given to the construction schedule to minimize the impact and traffic disturbance within the residential subdivision.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Phase I Completed: 2014 Phase II Completed: 2018	\$4,102,000	\$4,102,000

### PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Ollie Pumping Station Expansion &amp; Vehicular Bridges</b> Jesuit Bend, LA Plaquemines Parish Government Ken Dugas, P.E. 504-297-5343	<p>Infinity served as the prime consultant for the design of the pump station addition, which included civil, structural, mechanical, electrical engineering design, and construction administration.</p>  <p>The Ollie Pump Station provides storm drainage across approximately seven (7) miles encompassing about 3000 acres of Plaquemines Parish's West Bank. Infinity performed a drainage study of the basin and the subsequent <b>addition of two (2) new 300 CFS drainage pumps</b> to an existing 60-year-old facility. The increased capacity accommodated an expanding population and the replacement of aging equipment. Infinity's expansion design included:</p> <ul style="list-style-type: none"> <li>• New, pile supported pump building foundation</li> <li>• Enlarged the existing suction and discharge basins</li> <li>• Specified new pumps &amp; diesel engines, based on the hydraulic requirements</li> <li>• Specifying compressed air and diesel fuel piping and storage utilities</li> <li>• Hydrographic study of the suction and discharge basins</li> <li>• New electrical power and lighting for station modifications</li> </ul>	
Completion Date (Actual or estimated):	Estimated Cost:	
Completed: 2011	\$16,500,000	\$16,500,000



## TEC Professional Services Questionnaire


PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Conway Bayou Drainage Pump Station Upgrades</b> Sorrento, LA</p> <p>Ascension Parish Government Ron Savoy 225-450-1200</p>	<p>Infinity has been serving as the prime consultant providing comprehensive engineering designs for the upgrades and capacity expansion of the Conway Bayou drainage pump station in Sorrento, Louisiana. The existing Conway Bayou pumping station) removes water from Sorrento and the watershed area via a drainage ditch system and reservoir, which is pumped into Conway Bayou.</p> <p>The goal of the project is to alleviate localized flooding, overtopping of local roads, and repetitive losses due to regular weather events though <b>increasing the drainage pump station capacity by an additional 150,000 gpm (334.2 cfs)</b>. This additional capacity will be provided via a new diesel driven pump, which are proposed to be housed in a new structure east of the existing pump station. The existing reservoir will be modified as to accommodate the new pump intake area, and design of the new pump suction and discharge will consider the natural flow of Conway Bayou. Infinity's scope of this project encompasses civil, structural, mechanical, and electrical design.</p>	
Completion Date (Actual or estimated):	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	Designs Completed, Entering Construction Phase Completion: TBD	
	<b>\$7,200,000 (E)</b>	<b>\$7,200,000 (E)</b>




PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Wedmore Drainage Improvements</b> Marrero, LA</p> <p>Jefferson Parish Government Neil Schneider 504-736-6833</p>	<p>Infinity provided designs for drainage improvement to prevent localized flooding within the Wedmore Subdivision. This project was funded by CDBG program. Infinity designed drainage improvements consisting of <b>upgrading subsurface drainage on four (4) out-falls</b>.</p> <p>Additionally, the drainage upgrades included <b>improvements to lateral drainage connections</b> and replacement of disturbed portions of street, curbing, driveways, and sidewalks. Careful consideration was given to the construction schedule to minimize the impact and traffic disturbance within the residential subdivision.</p>	
Completion Date (Actual or estimated):	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
	Completed: 2014	
	<b>\$4,000,000</b>	<b>\$4,000,000</b>



## 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>VA Medical Center Drainage &amp; Infrastructure Improvements</b> New Orleans, LA</p> <p>City of New Orleans Department of Public Works Nguyen Phan 504-658-8021</p>	<p>Infinity was the prime consultant for the <b>removal and refurbishment of (2) 150 HP vertical drainage pumps</b> at the Port of New Orleans' Patterson Drainage Pump Station along the Inner Harbor Navigation Canal. Infinity's electrical designs included the condition evaluation of the two electric motors, replacement of the electrical system from the existing main breaker/disconnect, as well as sizing and <b>specification of a diesel generator</b>. Additionally, Infinity designed the walkway to access the discharge screen catwalk and checked the elevation of the discharge piping against the flood protection requirement.</p> <p>Infinity's design schedule was accelerated at the Port of New Orleans' request. The design was completed such that bids were received, equipment was procured, and construction completed prior to hurricane season. Infinity provided construction administration and resident inspection services throughout the project length.</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	\$289,000	\$289,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;"><b>Bayou Segnette Flood Pump Replacement</b> Westwego, LA</p> <p>Facility Planning &amp; Control Rainier Simoneaux 225-342-1983</p>	<p>Infinity has served as the prime consultant for the repairs and replacement of existing storm water management system components. The previous pump system was primarily comprised of two 50 HP electric motors and two 16" pumps, with electric power control and backup systems housed in weatherproof boxes. Infinity provided engineering designs related to electrical controls, piping, a <b>new concrete sump pump vault</b>, area lighting, security fencing and signage, and repairs to the existing 401 s.f. wood support platform with a new rain cover.</p> <p>Additionally, Infinity designed the new system for current maximum anticipated storm water conditions. Bayou Segnette State Park will remain open to the public and operational during construction. All new replacement equipment is code compliant and energy efficient.</p>	
		
<b>Completion Date (Actual or estimated):</b>	<b>Estimated Cost:</b>	
	<b>Entire Project:</b>	<b>Work for which Firm was Responsible:</b>
Completion: August 2024 (E)	\$366,500	\$366,500

## TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Fort Jackson &amp; Amoretti Sluice Gates</b> Plaquemines Parish, LA  Plaquemines Parish Government Ken Dugas, P.E. 504-297-5343	<p>These FEMA-funded projects involved <b>damage assessment</b> and <b>repair design</b> for two drainage control stations damaged by flooding from Hurricanes Katrina and Rita. Infinity coordinated with Plaquemines Parish operations and FEMA personnel for strategic planning of repairs operations, including hazard mitigation techniques.</p> <p><b>Fort Jackson Sluice Gate</b> included plans and specifications for detailed design of:</p> <ul style="list-style-type: none"> <li>• <b>Replacement of mechanical gates and gear mechanisms</b> damaged by tidal surge and rescue vehicle traffic. Hazard mitigation techniques included installation of corrosion-resistant materials</li> <li>• Hydraulic analysis of drainage basin for gate selection</li> <li>• <b>Replacement of two (2) 150 feet, 72" steel corrugated culverts</b> and repair/replacement of levee drainage district separation and water seal</li> <li>• Canal sloping and <b>installation of slope stabilization pavers</b> on all canal banks</li> </ul> <p><b>Amoretti Sluice Gate</b> included plans and specifications for detailed design of:</p> <ul style="list-style-type: none"> <li>• <b>Replacement of mechanical gates and gear mechanisms</b> damaged by tidal surge</li> <li>• Hazard mitigation techniques included <b>installation of corrosion-resistant materials</b></li> <li>• Canal sloping and installation of slope stabilization pavers</li> </ul>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 2009	\$1,291,000	\$1,291,000


PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<b>Suburban Drainage Pump Station Engine &amp; Gear Replacement</b> Metairie, LA  Jefferson Parish Government Ben Lepine 504-736-6759	<p>The overall project scope included the replacement of the engines with new Tier 2 diesel engines, associated piping, and related electrical and controls work for Pump #4 and Pump #5 at Jefferson Parish's Suburban Pump Station.</p> <p>The refurbishment of the gear box and replacement of the gear box's auxiliary pump system for each pump are add alternates. Of that scope, Infinity is responsible for design of the <b>gear box refurbishment</b>, replacement of the radiator jacket water and after cooler piping, muffler exhaust piping, and all <b>electrical and controls work</b>. Additionally, Infinity provided resident inspection throughout construction.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 2022	\$4,000,000	\$1,200,000





## TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>North Broad Street Underpass Pumping Station Upgrades</b> New Orleans, LA</p> <p>Sewerage &amp; Water Board Daniel Avalos 504-856-0459</p>	<p>Infinity provided the electrical engineering design and resident inspection for the North Broad Street Underpass Pumping Station. Electrical designs included.</p> <ul style="list-style-type: none"> <li>• Replacement of two electrical boards</li> <li>• <b>Replacement of the main electrical duct bank and wiring</b></li> <li>• Replacement of service ground system</li> <li>• Removal and replacement of two 40 HP 25 Hz motor starters</li> </ul> <p>Resident inspection duties for the mechanical, electrical, and general construction phases of the repairs 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. Due to spacing issues, the installation of each set of discharge pipes required communications and change orders to include flex connectors for proper installation</li> <li>• Clean, prime, and application of protective coating per specifications and submitted paint schedule to all exposed steel inside building</li> </ul>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 2019	N/A	\$175,000

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p><b>Hero Drainage Pump Station</b> Harvey, LA</p> <p>Jefferson Parish Government Ben Lepine 504-736-6759</p>	<p>Infinity provided the engineering design for the improvement of the bar screen system at the Hero Canal Drainage Pumping Station. Hero drainage pump station is a critical stormwater management facility, as it serves to drain several drainage canals on the Westbank of Jefferson Parish.</p>  <p>Originally, the site utilized non-mechanical bar screen over 12 bays. Infinity replaced the existing screen with a new auto-rake system that was attached to the existing bridge. Infinity performed a scoping study that established the need for a climber screen system at the Hero Pump Station. Designs included the mechanical selection and specification of a trash screen, structural of design elements to support the new screen system, electrical power distribution and controls, and new mast lighting as required to illuminate the work area.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 2020	\$1,740,000	\$1,740,000



## 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 Understanding**

Infinity Engineering Consultants, LLC. (Infinity) is proud to present our qualifications to provide as-needed engineering design services for the **Jefferson Parish Routine Engineering Services for Drainage Projects Request for Qualifications**. It is our understanding that Jefferson Parish seeks to create a pool of qualified engineering firms capable of designing a wide variety of drainage related projects.

Our staff holds extensive experience with projects across the Gulf Coast relating to the design of drainage and flood mitigation 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 professional in charge with a minimum of five years in drainage design, and an additional professional engineer familiar with drainage systems. With over (20) twenty years of engineering design and construction administration experience, our team of mechanical, civil, structural, and electrical engineers have provided complete designs in the public and private sector, including: **drainage systems, water catch basins, drainage pumping stations, flood walls, drainage for roadways, and Construction Management at Risk (CMAR) projects.**

With a viable resource of engineering professionals, Infinity's team is well-suited to execute the design and construction tasks required for these important routine drainage projects. We appreciate this opportunity to submit our qualifications and vision for Jefferson Parish. Infinity Engineering Consultants, LLC is a registered Louisiana engineering firm (License No. 3109) and is in full compliance of Louisiana state law.

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

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 for drainage-related projects. For this routine drainage contract, Infinity Engineering Consultants: LLC. will provide:

- Project Management
- Complete Structural, Civil, Mechanical & Electrical Engineering
- Corps Permitting
- Construction Administration & Resident Inspections

We employ (6), full-time, licensed civil engineers, many with over twenty (20) years of experience. For this project, Infinity will assign Louis Jackson, P.E. as the Project Manager. Mr. Jackson has more than 27 years of experience in the field of civil engineering, including 20 years of responsible charge of paving and drainage design. His responsibilities include project management, engineering design, preparation of plans and specifications, preparation of cost estimates, construction administration, and collaboration with owners for various construction projects. Examples of training and experience for Infinity's technical staff are contained in the TEC form.

William Thomassie, P.E.	Principal Partner - Civil/Structural Engineer	Experience: 31 Years
Raoul Chauvin, P.E.	Principal Partner - Mechanical Engineer	Experience: 32 Years
Rachel Kenney, P.E.	Chief Engineer - Civil/Structural Engineer	Experience: 20 Years

## TEC Professional Services Questionnaire

Louis Jackson, P.E.	QA/QC Manager - Civil Engineer	Experience: 27 Years
Ricardo Contreras, P.E.	Project Manager - Civil Engineering Mgr.	Experience: 27 Years
Cindy Gallo, P.E.	Project Delivery Mgr. - Civil/Structural Engineer	Experience: 9 Years
Michael Riviere, E.I.	Civil Project Designer	Experience: 34 Years
Kevin Hurtt, P.E.	Civil Project Engineer	Experience: 5 Years
Laura Kelly, P.E.	Mechanical Engineering Manager	Experience: 13 Years
Stephen Gholston, P.E.	Mechanical Project Engineer	Experience: 21 Years
Brian Lauritsen, E.I.	Mechanical Project Designer	Experience: 4 Years
John Lawrence, P.E.	Principal Electrical Engineer	Experience: 33 Years
Matthew Torres, P.E.	Electrical Project Engineer	Experience: 6 Years

Infinity points to past successes as a token of our reputation as a responsible and capable technical resource for Jefferson Parish on this project. To quote Ken Dugas, P.E., Plaquemines Parish Public Works Director regarding Infinity's design of the \$16.5MM Ollie Drainage Pump Station Expansion *"....Infinity worked on a variety of packages for PPG, but none more so than the Ollie Pump Station Expansion. They completed a very thorough drainage study to justify expanding the station....The addition was constructed with less than 2% overruns for change orders....the station has performed, as designed, through several rain events and hurricanes."*



**Ollie Drainage Pump Station Expansion**

**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.**

Infinity's current workload is well-suited to provide engineering support services to Jefferson Parish. At the time of submittal, Infinity has seventeen projects within the 75-100% construction completion, including Group B of street repairs to the Mid-City neighborhood, the Plaquemines Parish Empire Harbor of Refuge, Shintech Water Intake Platform, and Laurel St and Mistletoe Lift Station Rehabilitation. The completion of these projects will allow for Infinity's engineers to shift their focus towards any assigned drainage project, as the firm currently does not have a backlog of project work. Several of Infinity's designs are entering the final submittal phase.

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

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

Infinity's main 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.

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

## TEC Professional Services Questionnaire

- Jefferson Parish
- Lafourche Parish
- St. John the Baptist Parish
- St. Charles Parish
- Plaquemines Parish
- Ascension Parish

- City of New Orleans
- Assumption Parish Police Jury
- City of Baton Rouge
- City of Slidell
- City of Covington
- St. Bernard Parish

**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.**

As illustrated in Section L of Infinity's TEC Questionnaire, we have completed drainage, roadway and utility relocation/utility conflict resolution-related projects for Jefferson Parish and other local municipalities over the last 18 years of our operation. Included in these projects have been special designs for scheduling and/or phasing of construction to accommodate conditions. Example projects Infinity has completed for Jefferson Parish include:

- West Bank Water Department Generators
- West Metairie Avenue Roadway and Utilities Rehabilitation
- Hero Pumping Station Upgrades
- Generator Transfer Switches at Disaster Center Gymnasiums
- Estelle No. 2 Drainage Pump Station Addition
- Glenwood Street Lights



**Wedmore Drainage - West Culvert**

The team proposed for this project is comprised of engineers and professionals well-suited for the scopes of work identified in the RFQ. 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."

### **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 engineering pool for routine drainage services 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 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.

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

**Signature:** Raoul V. Chauvin III **Print Name:** Raoul V. Chauvin, III,  
**Title:** Principal **P.E. Date:** June 11, 2024

# Plaquemines Parish Government

Parish President  
**Billy Nungesser**

## ENGINEERING & PUBLIC WORKS

102 Avenue G  
Belle Chasse, LA 70037  
(504) 297-5343  
Fax (504) 297-5340  
eMail: ken\_dugas@plaqueminesparish.com

## Council Members

District 1 - Percy V Griffin  
District 2 - Keith Hinkley  
District 3 - Kirk Lepine  
District 4 - Dr. Stuart J Guey Jr.  
District 5 - Anthony Buras  
District 6 - Burghart Turner  
District 7 - Jeff Edgecombe  
District 8 - Byron Marinovich  
District 9 - Marla Cooper

November 16, 2012

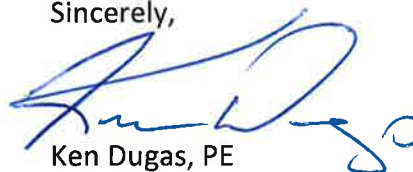
To Whom It May Concern:

Plaquemines Parish Government utilizes many consultants for infrastructure improvements and recovery work on a regular basis. Our consultants' responsibilities can include engineering design, feasibility studies, drainage studies, benefit-cost analyses and project monitoring.

Infinity Engineering worked on a variety of projects for PPG, but none more so than the Ollie Pump Station Expansion. They completed a very thorough drainage study prior to Hurricane Katrina to justify expanding our Middle Ollie Pump Station. Due to the effects of Hurricane Katrina, Infinity coordinated with USACE to revise the project design to increase the capacity from 400\_cfs to 600 cfs. The \$16,500,000 pump station addition was constructed with less than 2% overruns for change orders. Most notably, since completion, the station has performed, as designed, through several heavy rain events and hurricanes.

Infinity has designed several street and utility infrastructure improvements and has also worked on several hurricane recovery projects, such as repairs to and damage mitigation of our water and wastewater plants. They've proven to be good stewards of public funds. I would highly recommend Infinity for these types of projects. If you wish to discuss this recommendation with me, please contact me at the Engineering Office.

Sincerely,



Ken Dugas, PE

Plaquemines Parish Engineer





June 15, 2018

To Whom It May Concern:

The Port of New Orleans is a deep-draft multipurpose port and maintains property and infrastructure along several miles of the Lower Mississippi River and along the Inner Harbor Navigation Canal (IHNC). Port infrastructure includes wharves-40 berths for shipping, 20 million square feet of cargo-handling area, transit sheds, railroads, bridges, various cargo transfer and loading facilities, and more than 3.1 million square feet of covered storage area, plus square passenger cruise terminals and parking facilities.

We employ consulting engineers on a variety of projects requiring a broad range of disciplines including civil/structural, mechanical, electrical, and instrumentation for professional services.

As the Port's Mechanical & Electrical Engineering As-Needed services firm, Infinity Engineering Consultants was assigned the restoration of Patterson Drainage Pump Station. The purpose of this station is to provide emergency drainage capacity for the Port's properties along the western IHNC.

Infinity's engineers provided detailed design and bidding and construction documents for the replacement of (2) vertical turbine-type pumps and motors, sizing and specification of a diesel generator, extension of the support platform, and new switchgear and controls. Their engineers also provided construction and administration services and quality control during construction of the project.

Infinity's design team performance assured the needs and goals of the Port for this project were fulfilled. The negotiated fee was fair and reasonable; their engineers were always accessible and were efficient and timely in the delivery of their work product. The station is currently operating as designed.

Infinity performed and met their responsibilities and displayed professionalism throughout our contract. They have been professional and pleasant to work with and committed to doing a good job. We are pleased to recommend Infinity Engineering Consultants, LLC and anticipate continued work with them.

Sincerely,

William Rivera, P.E.  
Planning and Facilities





**"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

# 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*

Stacie Davenport  
*Engineering  
Document Management*

## 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*

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*

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*