



Routine Engineering Services For Streets Projects



Statement of Qualifications

Routine Engineering
Services for Streets
Projects
Jefferson Parish
Government
SOQ 23-017

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

August 25, 2023



Section I

Letter of Interest

Infinity Engineering Consultants



Letter of Interest

Louisiana Registered Engineering Firm Number

Infinity Engineering Consultants, LLC.

EF. 0001309

Tax ID: 200836083

Office Location

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

Contact Persons



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



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

August 22, 2023

Renny Simno
Director Jefferson Parish Purchasing
200 Derbigny Street, Suite 4400
Gretna, LA 70053

Re: Request for Qualification to Provide Routine
Engineering Services for Streets Projects

Infinity Engineering Consultants, LLC is pleased to present our firm's qualifications to Jefferson Parish for the Routine Engineering Services for Streets Projects opportunity. Upon reading the published request for qualifications, we believe Infinity's team meets and exceeds the necessary qualifications to undertake any civil, structural, electrical, and possibly mechanical engineering designs that could be necessary as part of a Jefferson Parish assigned roadway improvement project.

Understanding of Scope & Firm Qualifications

Infinity Engineering understands the scope of work to entail providing as-needed routine engineering designs and related services for assigned roadway improvement projects that would be assigned by Jefferson Parish. Having previously served as an engineering consulting firm for Jefferson Parish's routine roadway services list, Infinity is well acquainted with the types of projects that could be assigned. As part of previous as-needed lists with other Parishes, Infinity was selected and served as the prime consultant for the following roadway improvement related projects:

- Mid-City Groups A & B Roadway Improvements
- Jones Creek Roadway Lighting Design
- Ridgelake Drive Roadway & Drainage Improvements
- Colony Place Street Lighting
- Lakeshore Group C & D Street Reconstruction
- St. Roch Neighborhood RR176, RR177, & RR178 Roadway Repairs

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

- Civil Engineering Services
- Structural Engineering Services
- Electrical Engineering Services
- Mechanical Engineering Services (If Called Upon)
- Construction Administration
- Resident Inspection
- Advanced Measurements

Infinity is proud of our reputation as being honest, reliable, and capable. 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 entire team are contained with out Infinity's TEC form. Additionally, it is important to note, due to our work in the petrochemical industry, we carry professional and general liability insurance that often exceeds that required by public agencies.

Firm State Licensing

We steadfastly confirm the following:

- Infinity Engineering Consultants, LLC. is owned and led by qualified, professional engineers:
 - Principal partners Raoul Chauvin, P.E. and William Thomassie, P.E. hold over 30 years of engineering experience
 - Principal partner William Thomassie, P.E. holds 19 years of responsible charge in civil engineering
 - Both principal partners of Infinity are registered professionals in the State of Louisiana
- Infinity Engineering Consultants, LLC. is within good standing and does not have a history of substandard work
- The firm holds all licenses necessary to legally provide the related services in the State of Louisiana
- The lead professional for each engineering category will be a licensed professional in their respective field
 - Ricardo Contreras, P.E. holds a minimum of five years of experience in civil engineering
 - John Lawrence, P.E. holds a minimum of five years of experience in electrical engineering
 - Laura Kelly, P.E. holds a minimum of five years of experience in mechanical engineering
- Infinity is a state-certified DBE

Documents Enclosed

- Cover Letter
- Infinity TEC Form
- Letters of Recommendation

Closing

Infinity takes pride in the engineering consulting services we have provided to infrastructure projects throughout Jefferson Parish. We are confident that we have assembled a team of engineers and design professionals that can effectively and efficiently execute any roadway enhancement engineering task assigned by Jefferson Parish. We respectfully request the Evaluation Committee to select Infinity Engineering Consultants for the routine roadway engineering services list so together we can continue to work to enhance our Jefferson Parish communities.

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

Sincerely,

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

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



Routine Engineering Services for Streets Projects



Section II Infinity Engineering Consultants TEC Questionnaire

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services to Streets Projects
SOQ 23-017

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
Civil/Structural Engineering Advisor
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>4</u> Graduate Engineers
<u>3</u> Civil Engineers	<u> </u> Interior Designers	<u> </u> Project Managers
<u>4</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>5</u> Engineer Intern	<u> </u> Environmental Engineers	<u>9</u> Drafting/Design
<u> </u> Professional Land Surveyors		<u>37</u> TOTAL

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

If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

TEC Professional Services Questionnaire

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

1.

2.

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

I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		
4.		
5.		
6.		

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

15 total Infinity personnel could assist in the design of any assigned roadway project.

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

William J. Thomassie, P.E.
Principal Partner
(Civil Engineer)

Project Assignment:

Principal-in-Charge;
Civil/Structural Engineering Advisor

Name of Firm with which Associated:



Years' experience with this Firm:

19

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 registered Supervising Professionals for the firm and is responsible for the management of all engineering production. Included in those responsibilities is the oversight of staff managers. Mr. Thomassie's 30+ year career has typically included supervision of multi-disciplinary projects. With many of these projects requiring up to \$45,000,000 for installation or modifications, his guidance and shaping of project designs, along with construction support, enabled completion on schedule and with minimal adverse impact on commerce in the area. Mr. Thomassie's experience which would be relevant to Jefferson Parish's need for drainage conveyance and roadway rehabilitation includes:

Canal Street/City Park Avenue Transportation Hub Enhancements – New Orleans, LA

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

N. Galvez Street Reconstruction – New Orleans, LA

Project manager for the roadway repair and replacement and all utility improvements designs for 5,000 lf of subsurface utilities on a major thoroughfare. Infinity designed the roadway, **subsurface drainage**, plans and profile, and sidewalk and driveway reconstruction.

Bannerwood Drainage Improvements – Timberlane, LA

Project manager for the engineering design for drainage improvement the ¾ square mile neighborhood in Jefferson Parish. Designs consisted of **upgrading subsurface drainage on four (4) outfalls** from the Bannerwood Subdivision to the Oakwood Canal, and improvements to subsurface drainage along Willowbrook Drive, all in accordance with the Jefferson Parish Subsurface Drainage Improvement Program prepared by Parish Engineers. The upgrading included miscellaneous improvements to **lateral drainage connections and replacement of disturbed street**, driveways, sidewalks, and utilities.

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

TEC Professional Services Questionnaire

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

Kostmayer Ave. Resurfacing and Drainage Improvements – Slidell, LA

Project manager for the roadway repair and replacement design and all utility improvements. The project included **asphalt mill and overlay of 3,300 linear feet of street**, including striping, drainage improvements, street alignment, and ADA compliant ramps.

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

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

Concession Street Reconstruction Plaquemines Parish Government – Belle Chasse, LA

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

VA Medical Center Street and Utilities Reconstruction – New Orleans, LA

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

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

Project Manager for the RTA expansion of the streetcar line, specifically involving the Loyola Avenue line that will connect Canal Street and the Union Passenger Terminal. Supervised construction drawings, record specifications, and **identification of utility conflict and design**.

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.


Lake Park Drainage Improvements – Belle Chasse, LA

Project Engineer for the **design of drainage improvements** for Lake Park subdivision. The design was prefaced by Infinity's report provided to Plaquemines Parish with solutions for improving drainage.


S&WB EBWWTP Flood Protection System – New Orleans, LA

Provided civil and **structural designs for a new flood protection berm** at the 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. This was a **FEMA**-funded project.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Louis Jackson, P.E. Operations and Quality Control Manager (Civil Engineer)
Project Assignment:
Quality Control Manager & Contract Manager
Name of Firm with which Associated:

Years' experience with this Firm:
4
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1995 / Civil/Structural Engineering
Active registration: Year first registered/discipline:
Professional Engineer – Civil Engineering LA / 2001 / Civil
Other experience and qualifications relevant to the proposed Project:
<p>As the Operations & QA/QC Manager, Mr. Jackson ensures all designs and deliverables achieve Infinity's high expectations of effective and efficient engineering. Mr. Jackson has more than 25 years of engineering design, project management, and quality control experience. Among that experience, Mr. Jackson held the position of Director of Engineering for the Port of New Orleans. Mr. Jackson holds substantial experience in disaster recovery planning and response. With his extensive work in producing stormwater management planning and design, Mr. Jackson has become a credible resource to both governmental and non-governmental organizations seeking to further stormwater management across the Gulf Coast Region.</p> <p>City-Wide Drainage Master Plan – New Orleans, LA Served as the project manager 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.</p> <p>Magnolia Street Bridge Replacement – Slidell, LA Operations and Quality Control Manager for the replacement of Magnolia Street bridge. Provided technical support and project coordination for the replacement of the existing bridge with a 2-4-ft x 6-ft reinforced aluminum box culvert and will replace approximately 60-LF of existing roadway and guardrails on each side of the roadway. Acted as liaison between Infinity and City of Slidell to ensure deliverables were received in a timely manner and were effective in their design.</p> <p>St. Roch North Roadway Repairs – New Orleans, LA Operations and Quality Control Manager for the design 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 Orleans. Additionally, ensured timely delivery and effectiveness of engineering of designs.</p> <p>Ridgelake Drive Roadway Improvements – Metairie, LA Operations and Quality Control Manager for the engineering and design services for drainage and roadway improvements on Ridgelake Drive, including subsurface drainage, new 54-inch outfall, and lateral drainage connections. Provided design oversight as well as acted as liaison between Infinity and Jefferson Parish to ensure designs effectively met the goals of the scope of design.</p> <p>Adele and Fulton Street Reconstruction Project – New Orleans, LA Construction manager for reconstruction of approximately 2000 linear feet of New Orleans streets, including installation of new water, sewer, and drainage infrastructure. Responsibilities required close coordination with field and office staff of both the Sewerage & Water Board of New Orleans and City of New Orleans Department of Public Works for documentation of completed construction work and managing resident inspector staff.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Ricardo Contreras, P.E. Civil/Structural Engineering Manager
Project Assignment:
Civil/Structural Engineering Manager
Name of Firm with which Associated:

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:
<p>As Infinity's Civil Engineering Manager, Mr. Contreras partners with Infinity's Project Engineers to ensure every design and deliverable is executed effectively and on time. With over 27 years of civil engineering and project management experience, Mr. Contreras holds expertise in the following relevant specialties: Roadway Design; Infrastructure Assessment; Multi-Modal Complete Street Design; and Roadway Drainage Design. Additionally, Mr. Contreras holds the following certifications: LaDOTD Traffic Control Supervision and Technician; American Traffic Safety Services Association Certification.</p> <p><u>West Metairie Avenue Rehabilitation – Metairie, LA</u> Project manager responsible for the overall design, preparation of plans and specifications, cost estimates, and coordination of all aspects of the design of roadway, crosswalk, bike lane, and drainage improvements to West Metairie Ave. The designs included the removal and replacement of concrete paving panels and repair and adjustment of select drainage outfalls that cross beneath the avenue, and implementation of stabilization measures to the embankments of the canal.</p> <p><u>Decatur Street Waterline Replacement – New Orleans, LA</u> Technical lead responsible for designing the complete street replacement in the French Quarter neighborhood. The project required design and replacement of roadways, sidewalks, and driveways with the addition of ADA compliant ramps. Responsibilities also included drainage, sewer, and water design as well as analysis, evaluation, and replacement.</p> <p><u>Bainbridge Canal Closure & Roadway Improvement – Kenner, LA</u> Technical lead responsible for the design and development of the Bainbridge Canal realignment. The improvements included relocating a 1000 ft reach of drainage canal. Responsibilities included analysis of drainage canal cross sectional layout, drainage outfall connections, adjacent infrastructure utilities, and alignment with downstream headwall.</p> <p><u>Sgt. Alfred Drive Roadway Improvements – Slidell, LA</u> Project Manager for the engineering paving design for of approx. 6,000 linear feet of asphalt and concrete repairs, which included elevation adjustments of manhole covers, striping, and crosswalks.</p> <p><u>Lakeshore Group C & D Street Reconstruction – New Orleans, LA</u> Technical lead for the complete reconstruction of several concrete streets. Responsibilities included the drainage analysis for the area, removal and replacement of the existing sewer, water, and drainage systems and the reconstruction of the existing concrete pavement. Roadway reconstruction included modifications to the existing sidewalks, driveways, and reprofiling of the roadway alignments.</p> <p><u>Westgate Roadway and Drainage Improvements – Jefferson, LA</u> Responsible for the design and coordination of multi-discipline consultants for roadway and drainage improvements for sub-basin 1 through 11 for Jefferson Parish. Designs included approximately 3,200 linear feet of 36" reinforced concrete pipe arch, 8,800 square yards of concrete roadway replacement, and relocation of utilities.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Cindy Gallo, P.E.
Project Delivery Manager
(Civil/Structural Engineer)

Project Assignment:

Project Manager

Name of Firm with which Associated:



Years' experience with this Firm:

8

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 2014 / Civil & Environmental Engineering

Active registration: Year first registered/discipline:

Professional Engineer – Civil Engineering
LA / 2019 / Civil

Other experience and qualifications relevant to the proposed Project:

As Project Delivery Manager, Ms. Gallo leads Infinity's project management discipline, focusing on effective project completion and exceptional client satisfaction. Ms. Gallo brings over eight years of experience in project management and civil/structural and marine engineering design to this client-focused role. Ms. Gallo's structural engineering expertise has been lent to a diverse set of project types including maritime, bridge, and facility designs.

Shintech Water Intake Platform and Vehicular Bridge – Plaquemine, LA

Project manager of the engineering team responsible for the civil, structural, mechanical, electrical and instrumentation designs of a new river water intake platform. Project components included conducting advanced measurements, 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.

Whitney Avenue Bike Lane – Harvey, LA

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

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

Project manager responsible for organizing the preparation and delivery of a construction drawing and specification package, coordinating with the owner and the Department of Parks and Parkways, and scheduling all design progress meetings. Part of the structural team that prepared the design for the new bridge and foundation. This project consisted of civil, structural, and electrical design for the removal and replacement of an existing vehicular bridge deemed to be in poor condition.

Magnolia Street Bridge Replacement – Slidell, LA

Project manager and Engineer of Record for the detailed design for drainage improvements and the replacement of the existing bridge on South Magnolia Street. The design tasks included the specification of an aluminum box culvert, the design of asphalt roadway replacement, and civil site design. Led Infinity's efforts in the preparation of construction documents, coordinated with design team and manufacturer representative.

City of New Orleans Bridge Inspections and Load Ratings – New Orleans, LA

Project manager of a team responsible for performing field inspections and load rating calculations on a total of twelve bridges. Performed superstructure and substructure calculations using the AASHTOWARE Bridge Rating Software (BrR, V6.8), MOVLOADS, and RAM Elements in combination with hand calculations. Assembled the final load rating reports to include the inspection forms, photos, and calculations for submittal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Robert Haydel
Civil Project Designer

Project Assignment:

Civil Project Designer – Roadway Design
Drainage Analysis – (H&H) Modeling

Name of Firm with which Associated:



Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

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

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

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:

Bainbridge Canal Closure & Realignment – Kenner, LA

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

Pritchard Ditch Drainage Improvements – Jefferson Parish, LA

Under the direction of Infinity's engineer of record, led a team as project manager in designing the **replacement of a drainage canal with box culverts and headwalls**. Responsibilities included analysis of drainage conveyance capacity, box culvert and headwall design and placement. Additionally, developed construction documents (Specifications and Plan Sheets) and cost estimate.

Decatur Street Waterline Replacement – New Orleans, LA

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

St. Roch North Roadway Repairs – New Orleans, LA

Under the direction of Infinity's engineer of record, led a team as project manager in **designing multiple blocks of complete street replacement**. The project required replacement of roadways, sidewalks, and driveways with the addition of ADA compliant ramps. Designs included roadway gradients to create positive cross-sectional and longitudinal drainage. Performed hydraulic design/analysis for drainage system design.

Mid-City Street Repairs Group B – New Orleans, LA

Under the direction of Infinity's engineer of record, led a team as project manager in designing roadway pavement and curbing, base for the roadway pavement, **subsurface drainage**, water and sanitary sewer installation, and adjustments as required to driveways and intersecting streets.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin Hurtt, E.I.
Civil Project Designer

Project Assignment:

Civil Project Designer

Name of Firm with which Associated:



Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 2019 / Civil Engineering

Active registration: Year first registered/discipline:

Engineering Intern
LA / 2020 / Civil

Other experience and qualifications relevant to the proposed Project:

Mr. Hurtt holds 3 years of experience with analysis, design, and inspection of civil and structural engineering projects. Mr. Hurtt works closely with clients to understand their needs and expectations and to implement them in a safe and cost-effective manner. To ensure all phases of a project fit together seamlessly, Mr. Hurtt has experience in coordinating with various engineering disciplines, including electrical and mechanical.

Terry Parkway Roadway Repairs – Terrytown, LA

Under the direction of Infinity's engineer of record, assessed existing road surface conditions and **designed replacement of damaged panels**. Assisted in designing new grading plan for intersection of Terry Parkway and LA23. Coordinated with LADOTD during development.

Lakeshore Group C Street Reconstruction – New Orleans, LA

Under the direction of Infinity's engineer of record, assisted in assessing existing drainage conditions and designed **new pipe layout** to improve drainage and meet current Orleans parish requirements. Assessed existing street and sidewalk conditions and made recommendations for repair or replacement.

Savanne Road Bridge Replacement– Terrebonne, LA

Under the direction of Infinity's engineer of record, led a team as project manager in **designing a replacement bridge** for the LADOTD off system bridge program. This included coordination with state and local officials as well as management of an environmental subcontractor.

Whitney Avenue Bike Lane – Terrytown, LA

Under the direction of Infinity's engineer of record, assisted in the design of a **two-way bike lane** including the repurposing of existing vehicle lanes, conversion of existing sidewalks, and construction of a median path. Prepared cost estimates and assisted in designing lane striping.


Shintech Water Intake Platform and Vehicular Bridge – Plaquemine, LA

Under the direction of Infinity's engineer of record, assisted in **designing a vehicular bridge** with attached pipe rack to access a proposed water intake platform in the Mississippi river. The bridge was designed to accommodate a 41,000 lb. crane with a 30,000 lb. load or HL-93 loading. The pipe rack was designed to support a thirty-inch water line, miscellaneous smaller pipes, and three cable trays. The design was completed using RISA-3D software.


North River Rd Bridge Replacement– Tangipahoa, Louisiana

Under the direction of Infinity's engineer of record, led a team as project manager in designing a **replacement bridge for the LADOTD off system bridge program**. This included coordination with state and local officials as well as management of an environmental subcontractor.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
John Lawrence, P.E. Principal Electrical Engineer
Project Assignment:
Electrical Project Engineer Utilities Conflict & Power
Name of Firm with which Associated:

Years' experience with this Firm:
1
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 1990 / Electrical Engineering
Active registration: Year first registered/discipline:
Professional Engineer – Electrical Engineering LA / 1998 / Electrical
Other experience and qualifications relevant to the proposed Project:
<p>Mr. Lawrence holds over 33 years of experience in electrical engineering, project management, quality control and supervision of electrical design. Over the years, Mr. Lawrence has worked on numerous projects involving the installation of generators, lighting, and instrumentation. Mr. Lawrence's electrical engineering expertise comes a vast knowledge of power and control systems, SCADA technology, and electrical instrumentation for a wide range of utility infrastructure. As Infinity's Principal Electrical Engineer, Mr. Lawrence is responsible for electrical scope development, schedule coordination, budgeting, estimating, and cost control.</p> <p><u>Jones Creek Rd Lighting – Baton Rouge, LA</u> Engineer of record overseeing the electrical design, and development of drawings for roadway lighting for a greenfield project extending Jones Creek Rd from Tiger Bend Rd to Airline Hwy. The electrical designs included electrical services and roadway lighting designed to MOVEBR Design Guideline for the nearly 1.4-mile road expansion and vehicular traffic circle.</p> <p><u>St. Bernard Port New Generator Installation – Chalmette, LA</u> Project manager for the design and installation of a new 250kW 208/120VAC, 3ph, 4W, backup generator at the Associated Terminals office building. Once constructed, the backup generator will be skid mounted with an associated diesel tank. The new 250kW generator output feeder will be connected into a new automatic transfer switch (ATS) which will be located on a new platform via use of new conduits and cables.</p> <p><u>Jefferson Parish Water Department New Electrical Generators – Marrero, LA</u> Project manager for the design to upsized new backup generators from 750kW to 1MW to provide for the full redundant power of the system at the Jefferson Parish water plant in Marrero, LA. The additional capacity required the modification of the existing switchgear to accommodate the new size of the backup generators to allow them to provide their maximum power. The new generators were designed to be diesel powered with a new day tank connected in parallel to the existing tank by a new transfer valve.</p> <p><u>Avondale Lift Station Backup Generator Addition – Avondale, LA</u> Project manager for the design and installation to add a new backup power generator for the Avondale lift station within Jefferson Parish, LA. The new 1MW 480/277VAC, 3ph, 4W, backup generator has been designed with an associated 3-day belly diesel tank that will be skid mounted with the generator. The new generator will be installed on a new platform which will adjoin the existing electrical building. The new 1MW generator feeder will tie into a new automatic transfer switch (ATS) via new underground conduits.</p> <p><u>St. Bernard Port New Generator Installation – Chalmette, LA</u> Project manager for the design and installation of a new 250kW 208/120VAC, 3ph, 4W, backup generator at the Associated Terminals office building. Once constructed, the backup generator will be skid mounted with an associated diesel tank. The new 250kW generator output feeder will be connected into a new automatic transfer switch (ATS) which will be located on a new platform via use of new conduits and cables. The generator and diesel tank will be installed on an elevated steel platform built upon a new pile-supported concrete slab foundation. The elevation of the platform has been established based on data for a 500-year flood event.</p>

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Bart Lacombe Electrical Project Designer
Project Assignment:
Electrical Project Designer Electrical Lighting
Name of Firm with which Associated:

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

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Rodney Ziegler
Resident Inspector

Project Assignment:

Construction Resident Inspector

Name of Firm with which Associated:



Years' experience with this Firm:

3

Education: Degree(s)/Year/Specialization:

Certificate of Technical Studies: Electrical Technology

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

N. Broad Street Underpass Pumping Station - New Orleans, LA

Performed **all resident inspection duties** for the mechanical, electrical, and general construction phases of the repairs to the N. Broad Street Underpass Pumping Station project. The project included the following:

- Removal and replacement of one 12" trash pump including pump stand, shaft, intermediate pillow block guide bearings, couplings and bearing support channels
- Removal and replacement of all discharge piping between each new installed 12" trash pump and the designated to remain 20" discharge wall pipe.
- Clean, prime, and application of protective coating per specifications and submitted paint schedule to all exposed steel inside building.

Read Blvd. East Group C Complete Street Reconstruction

Performed all **resident inspection duties for eight blocks of complete street reconstruction**. Included in the project scope was street pavement, sidewalks, drain point repairs, catch basin, and manhole adjustments. Throughout the inspection process, maintained constant contact with project managers to record any variations. Additionally, he prepared technical correspondence and field reports; as well as interpreted construction plans and specifications.

Black Pearl East Carrollton Group A Water Line Replacement – New Orleans, LA

Resident Inspector for replacement of existing water line throughout E. Carrollton & 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.

St. Roch North Roadway Repairs – RR176 - New Orleans, LA

Provided **resident inspection for this roadway repair project**. Infinity performed roadway, sidewalk, driveway, utility, and ADA compliant ramp designs and construction documents in alignment with the FEMA Recovery Roads program. Hydraulic design/analysis was also required for drainage system.

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>Mid-City Street Improvements Groups A & B New Orleans, LA</p> <p>City of New Orleans Department of Public Works Ainsley Fisher 504-658-8056</p>	<p>Infinity developed a comprehensive scoping report for the City of New Orleans addressing longstanding roadway damage across the neighborhoods of the Mid-City area. This report included the locations and descriptions of eligible roadway repairs that aided the city in obtaining FEMA grant funding.</p> <p>Based on the scoping report, Infinity was the prime consultant designing roadway improvements for over 200 blocks. These improvements included roadway pavement and curbing, base for the roadway pavement, subsurface drainage, water and sanitary sewer installation, and adjustments as required to driveways and intersecting streets. All final grades were made to be compatible with adjacent properties and provide for a positive flow of water toward catch basins. The designs for all intersections and medians complied with ADA requirements for ramps.</p> <p>Additionally, Infinity provided construction administration on this project. Careful considerations were given to creating construction timelines that minimize the impact of street closures on residents, schools, and businesses. Infinity's project manager is in continuous coordination with the contractor and resident inspectors to problem solve challenges that arise when digging in an older city, such as identification of unknown lines and extension of repairs by field change directives.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: 8/2023	\$20,000,000	\$20,000,000





PROJECT NO. 2

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

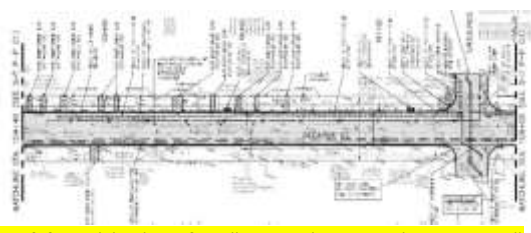


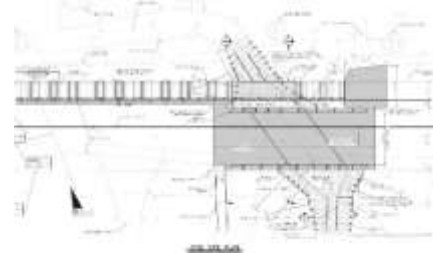
TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Filmore Avenue Complete Street Reconstruction Metairie, LA City of New Orleans Department of Public Works Christopher Harris 504-658-8618	<p>Infinity identified and quantified damages to roadways, driveway aprons, sidewalks, curbs, and drainage structures within the Filmore Neighborhood of New Orleans. The scoping report created by Infinity included the descriptions of eligible repairs, photo documentation, and justification of the repairs in order for the DPW to obtain FEMA grant funding.</p>  <p>Spanning over 1000 linear feet, the Filmore Avenue project was a complete street reconstruction. The roadway designs included the following:</p> <ul style="list-style-type: none"> • Replacement of concrete, asphalt, and composite pavements in patches/full blocks • Replacement of existing 4 ft and 5 ft wide sidewalks and driveway aprons • Replacement of existing mountable, barrier and/or granite curbing • Roadway lane striping and signage • Addition of bike lanes with appropriate striping <p>As part of the complete street reconstruction, Infinity provided designs for new domestic sewer, water, and drainage. The drainage designs included the following:</p> <ul style="list-style-type: none"> • Full drainage line replacement with the addition of catch basins and drain inlets • Establishment of new grade lines to tie the new systems into the existing lines • Establishment of proposed grade line (PGL) and inverts 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: July 2020	\$6,250,000	\$6,250,000


PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Canal Street/City Park Avenue Transportation Hub Enhancements New Orleans, LA Regional Transit Authority Stephen Mitchell Darrell LaFrance 504-827-8393	<p>As the prime consultant for the final phase of the Canal Streetcar Line, Infinity was tasked with designing a transportation hub that seamlessly and safely integrated the streetcar line, bus lanes, vehicular traffic, cycling lanes, and pedestrian walkways. The project extended the streetcar tracks to Canal Boulevard with a terminus in the first turnaround bay on the street.</p>  <p>Deemed the "worst" intersection in the city by the RTA and Department of Public Works, Infinity redesigned the terminal to improve vehicular and streetcar safety. The new alignment improved traffic flow by adding proper signalization along City Park Avenue and Canal Boulevard; serving over 50,000 cars, buses, trucks, streetcars, and pedestrians each day.</p> <p>Infinity's multi-discipline team collaborated on all components of the civil, mechanical, and electrical engineering needed for this project. Consequently, Infinity was able to provide in-house design for the roadway replacement, track power and support poles (catenary system), underground utility relocation design, terminal mechanical and lighting protection systems, and streetcar track foundations.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: Jan. 2018	\$9,900,000	\$9,900,000


TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Decatur and St. Peter Streets 24" Waterline Replacement New Orleans, LA</p> <p>Sewerage & Water Board of New Orleans Mark Van Hala, P.E. 504-930-7223</p>	<p>Infinity is serving as the sub consultant on the 24" waterline replacement along Decatur and St. Peter streets located in the historic New Orleans French Quarter. Infinity's services will be relied on from the design all the way through the construction administration phase. Infinity's designs include the replacement of four blocks of 24" waterlines with new 6-8" waterlines. The waterline design package also includes tie-ins of various sizes, new service connections, and new fire hydrants.</p>  <p>For all four blocks of the project, a complete street rehabilitation will occur. The roadway designs include the following:</p> <ul style="list-style-type: none"> • Removal/Replacement of Existing Drainage Systems • Repair of the Sewer Lines by CIPP Lining • Replacement of the Roadway/Sidewalks to ADA Standards <p>Careful consideration has been given to the preparation of design and construction plans to account for the proximity of the project to the Mississippi River. The construction time frame will be determined by the river's naturally occurring water levels.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
In Design	\$4,100,000	\$1,500,000


PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p style="text-align: center;">Magnolia Street Bridge Replacement and Drainage Improvements Slidell, LA</p> <p>City of Slidell Rainier Simoneaux 225-342-1983</p>	<p>Infinity Engineering was selected as the prime consultant for the replacement of Magnolia Street Bridge in Slidell, LA. The civil/structural designs call for the replacement of the existing bridge with a 2-4-ft x 6-ft reinforced aluminum box culvert and will replace approximately 60-LF of existing roadway and guardrails on each side of the roadway. Additionally, the replacement of the bridge will require a horizontal offset of an existing sanitary sewer line. The project designs include detailed drainage improvements.</p> <p>Also, Infinity designed a temporary pedestrian crossing to allow residents between the project location and the dead end to cross the drainage ditch and access their residences during the construction phase. Careful consideration has been given to the construction timeline to not adversely affect residents. The shutdown of any walkways has been limited to a maximum of eight hours per day with notice given to residents at minimum seven days in advance. The engineering designs have also factored in minimizing the impact on the local environment as all trees in the area are to remain in place and unharmed. Throughout the construction phase of the project, Infinity is providing resident inspection services. Final designs also include a load rating.</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Entering Construction Phase	\$475,000	\$475,000

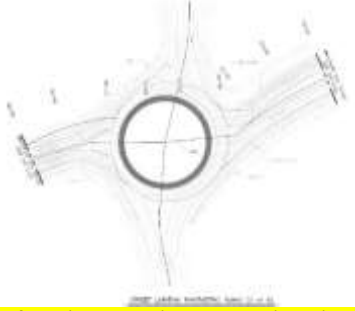
TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Tivoli Circle Downtown Loop New Orleans, LA Regional Transit Authority Darrell LaFrance 504-827-8393	<p>Infinity was the prime consultant for the RTA to repair and reconstruct portions of the streetcar tracks within the Tivoli Circle Downtown Loop. This project entailed full reconstruction of the switch track turnouts, which required concrete slab replacements around the tracks.</p> <p>The complete circle and portions of the connecting streets required repavement and restriping. Infinity reviewed and recommend upgrades to the signalization around the circle. Additionally, pedestrian and cycling mobility were considered in the design recommendations.</p> <p>Infinity coordinated with Department of Public Works as well as Parks and Parkways to minimize the impact of the street closures on this important intersection that makes up the Downtown Loop.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Completed: March 2022	\$4,620,000	\$4,620,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Bainbridge Canal Closure & Roadway Improvements Kenner, LA Jefferson Parish Government Prime: Meyer Engineers David Dupre 985-727-2282	<p>The relocation of the Louis Armstrong New Orleans International Airport terminal to the North has significantly increased traffic through several key intersections adjacent to the airport. To alleviate the traffic congestion within the area, Jefferson Parish has decided to install a box culvert within an existing ditch to create a new roadway for vehicular traffic through the project area. Infinity is a part of the design team for this project; providing electrical engineering services specifically to address new street lighting, as well as civil engineering for a new lift station and 20" waterline offset.</p> <p>The new roadway section requiring lighting is approximately 3,500'. Each side of the new road will be two lanes separated by a median to enclose the new box culvert. Each side of the new road will require pole lights, for a total of 7,000'. Infinity's electrical engineering responsibilities have included:</p> <ul style="list-style-type: none"> • Design of the demolition of the existing street lighting on the existing service poles • Design of the service coordination and tie in from existing Entergy service poles • Design of the electrical protection via new switchrack(s)/ controller(s) • Design of the power distribution via underground directionally bored conduits <p>The 27th St. and Bainbridge St. Sewer Lift Station designs included the removal and replacement of concrete roadway panels, sewer lift station installation and appurtenances, electrical controls and connection, canal aerial crossing, and converting existing sewer siphon wet well. Once constructed, the existing pavement grades will be maintained, and new pavement will be designed to match existing grades.</p>	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
100% Designs Submitted for Review	\$26,450,000	\$2,750,000

TEC Professional Services Questionnaire

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

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Jones Creek Roadway Lighting Design Baton Rouge, LA Baton Rouge Department of Public Works Prime: CSRS Daniel Marks, P.E.	<p>As part of the MOVEBR program, Infinity has been providing electrical engineering designs for the roadway lighting along Jones Creek in Baton Rouge, LA. The Jones Creek Road project is a greenfield project connecting Tiger Bend Road and Airline Highway, crossing Jefferson Highway (approximately 1.4 miles).</p> <p>Infinity has been assigned the design of the area lighting for the road along its full length. Once constructed the roadway will be illuminated through uniformly spaced masts within the center median. As this is a greenfield project and the entire site has yet to start development, Infinity's designs call for the electrical grid power to be established along both sides of the new four-lane road.</p> <p>Into the project's design process, it was decided that to facilitate construction of a portion of the project, the Jones Creek Road project was separated into a separate package. Infinity has begun the design process to separate the packages to provide the designs necessary for the proposed traffic circle and to incorporate additional lighting for the sidewalk and pedestrian crossing. Throughout the design process, Infinity has ensured the firm's electrical engineering designs has been in accordance with the requirements of the MOVEBR Design Guidelines.</p> 	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
Initial Design Completed Roundabout Lighting 90% Completed – 9/2023 (E)	N/A	\$2,000,000

TEC Professional Services Questionnaire

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

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

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 (Infinity) is proud to present our qualifications for the Jefferson Parish Routine Roadway Engineering RFQ. Our staff holds immense experience in roadway and traffic enhancement design. We understand this RFQ seeks to establish a qualified group of professional engineering firms to deliver engineering services for assigned roadway projects. Having served on many various Jefferson Parish routine engineering services contracts, we believe Infinity is well positioned to carry out any potentially assigned roadway engineering projects.

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

With over (19) nineteen years of engineering design and construction administration experience, Infinity's team of civil, structural, mechanical, and electrical engineers have provided complete roadway related designs in the public and private sectors, including: **pavement, lane striping, utilities improvements, and drainage for roadways, as well as construction management for these types of projects.** Infinity Engineering Consultants, LLC is a registered Louisiana engineering firm (License No. 3109) and is in full compliance of Louisiana state law. Additionally, Infinity is a registered DBE firm with the Louisiana Unified Certification Program for Disadvantaged Business Enterprises, the City of New Orleans, and the Regional Transit Authority of New Orleans.

With Infinity's proven record of ushering projects from concept to final construction, Infinity's team is well-suited to execute any assigned roadway design for this important on-call contract. We appreciate this opportunity to submit our qualifications and vision for enhancing Jefferson Parish through thoughtful engineering design.

1. Professional Training and Experience in Relation to the Type of Work Required for the Program Management Services

Key Personnel Qualifications and Experience

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

1. **Project Management**
2. **Complete Civil, Structural, Mechanical & Electrical Engineering**
3. **Construction Administration**
4. **Resident Inspection**

TEC Professional Services Questionnaire

Infinity looks to assign Cindy Gallo, P.E. as the Project Manager and Engineer of Record for an assigned roadway project. Ms. Gallo serves as Infinity's Project Delivery Manager; focusing on effective project completion and exceptional client satisfaction. Ms. Gallo brings over eight years of experience in project management and civil/structural engineering design to this client-focused role.

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

As a testament to Infinity's rigorous QA/QC procedures, per Bill Rivera, P.E., **Port of New Orleans Planning & Facilities Manager** on the design of a new drainage pump station, *"Infinity's design team assured the needs and goals of the Port for this project were fulfilled."*

2. Size of Firm Considering the Number of Professional and Support Personnel Required to Perform the Type of Program Management Tasks

Infinity employs (10), full-time, licensed professional engineers, many with over twenty (20) years of experience. Beyond Infinity's professionally licensed engineers, Infinity employs 37 total personnel ranging from engineering interns to administrative staff. Qualifications and experience of Infinity's technical staff are contained within the TEC form.

William Thomassie, P.E.	Principal	Civil Engineer	Experience: 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
Ricardo Contreras, P.E.	Civil Engineering Manager	Civil Engineer	Experience: 25 years
Cindy Gallo, P.E.	Structural Project Engineer	Civil/Structural Engineer	Experience: 8 years
Laura Kelly, P.E.	Mechanical Manager	Mechanical Engineer	Experience: 13 years
Stephen Gholston, P.E.	Mechanical Project Engineer	Mechanical Engineer	Experience: 21 years
John Lawrence, P.E.	Principal Electrical Engineer	Electrical Engineer	Experience: 32 years
Matthew Torres, P.E.	Electrical Project Engineer	Electrical Engineer	Experience: 5 years

3. 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 roadway design engineering services to Jefferson Parish. Infinity has completed or is in the design completion stage of several roadway related projects (including Ridgelake Drainage and West Metairie Ave Rehabilitation). The completion of these projects will allow necessary personnel the uninterrupted ability to focus on any assigned roadway project. Therefore, it is an ideal time for Infinity to take on additional work.

Concerning Infinity's diligence to deliver on assigned tasks for major infrastructure projects, AECOM's Project Manager for the design of the Regional Transit Authority's Loyola and St. Claude streetcar projects, Bill Norquist, P.E. commented,

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

4. Past Performance by Person or Firm on Public Contracts

Since Infinity's inception, our firm has worked closely with our neighboring parishes to provide design services involving roadway rehabilitation, utilities improvements, as well as streetlighting. Infinity points to our past successes as a token

TEC Professional Services Questionnaire

of the firm's reputation as a responsible and capable technical resource in respect to Jefferson Parish's roadway improvement initiatives.

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

As the prime consultant, Infinity provided roadway repair and replacement design and all utility improvements for the Kostmayer Avenue rehabilitation project in the City of Slidell. The project included the asphalt mill and overlay of 3,300 linear feet of street, including striping, drainage improvements, street alignment and handicap sidewalk ramps.

With the Sergeant Alfred Drive roadway improvements project, Infinity provided engineering services for the paving repairs from U.S. Hwy 11 to Fremaux Drive. The project included approximately 6,000 lf of asphalt and concrete repairs and associated elevation adjustments of manhole covers and drop inlet grates. Infinity provided the inspection, engineering designs, and construction administration for the removal and replacement of approximately 85 damaged panels.



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

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

5. Location of the Principal Office Where Work Will be Performed

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

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

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

TEC Professional Services Questionnaire

7. Prior Successful Completion of Projects of the Type and Nature of the Engineering Services, as Defined, for which Firm has Provided Verifiable References

As illustrated in Section L of Infinity's TEC Questionnaire, we have completed projects involving roadway paving, subsurface drainage improvements, utility relocation, utility conflict resolution-related engineering services for Jefferson Parish and other local municipalities.

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

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

Closing Statement

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

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

Infinity Engineering Consultants, LLC.
rchauvin@infinityec.com
(504) 304-0548

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

Signature: 

Print Name: Raoul V. Chauvin, III, P.E.

Title: Principal

Date: August 22, 2023



Section III

Letters of Recommendation



The City of Slidell

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

TIMOTHY MATHISON
Chief Administrative Officer

FREDDY DRENNAN
Mayor

14 July 2017

Re: Infinity Engineering Consultants, LLC

To Whom It May Concern:

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

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

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

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

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

Sincerely,

Tim Mathison, C.A.O.

TM/et



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 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



St. Bernard Parish Government

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

Guy McInnis
Parish President

October 26, 2017

Re: Infinity Engineering Consultants, LLC

To Whom It May Concern:

St. Bernard Parish Government Department of Public Works is pleased to present this letter of reference for Infinity Engineering Consultants, LLC. The DPW relies on engineering consultants to perform a variety of professional services throughout the Parish, including civil, structural, mechanical, and electrical engineering design.

In 2015, the Parish initiated a system-wide waterline improvement program funded by the Louisiana Department of Health and Hospitals (LDHH) Drinking Water Revolving Loan Fund. The program will replace old cast-iron water potable water pipes with new PVC pipe.

The Angela Street Waterline Replacement project was later fast tracked because the *Naegleria Fowleri* amoeba was detected in that Parish waterline. We contracted with Infinity Engineering Consultants, LLC for the design and construction administration services for this project. Infinity was tasked with the design of approximately 1 ½ miles of waterline along Angela Street and cross streets.

Infinity completed this critical, fast-paced project within the guidelines of the LDHH Drinking Water Revolving Loan requirements. Their staff was responsible with the use of public funds and was a pleasure to work with. I would highly recommend Infinity Engineering Consultants.

Sincerely,

A handwritten signature in blue ink, appearing to read "Guy McInnis", is written over a horizontal line.

Guy McInnis
Parish President
St. Bernard Parish Government