Infinity Engineering Consultants, LLC

Routine Engineering Services For Drainage Projects

Jefferson Parish
State of Louisiana

Routing Engineering Services for Drainage Projects
Jefferson Parish Government
SOQ 22-011

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

March 31, 2022

March 29, 2022

Re: Statement of Qualifications for Routine Engineering Services for Drainage Projects

J.P. General Government Building
200 Derbigny Street, Suite 4400
Gretna, LA 70053
Phone: 504-364-2678

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

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

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

Infinity's staff along with our teaming partners have the experience to provide Jefferson Parish with the expertise to prepare an appropriate assessment of existing roadway infrastructures to minimize costs and impacts to the community. We employ **(8), full-time, licensed civil engineers, many with over twenty (20) years of experience**. Depending on the scope of work, Infinity will assign Louis Jackson, P.E. as the Project Manager. Mr. Jackson holds more than 25 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.

As illustrated in the resume section, Infinity's professional engineering staff is well-suited to address all engineering needs of any assigned project. Infinity is a Jefferson Parish firms with familiarity in all facets of design anticipated.

Infinity Engineering's Key Personnel & Experience:

William Thomassie, P.E.	Principal	Civil Engineer	Experience: 30 years
Raoul Chauvin, P.E.	Principal	Mechanical Engineer	Experience: 31 years
Rachel Kenney, P.E.	Chief Engineer	Civil Engineer	Experience: 19 years
Louis Jackson, P.E.	Ops & QA/QC	Civil Engineer	Experience: 25 years
Ricardo Contreras, P.E.	Civil Engineering Manager	Civil Engineer	Experience: 25 years
Robert Haydel	Project Engineer	Civil Engineer	Experience: 15 years
Karson Kall, P.E.	Advanced Measurements	Civil Engineer	Experience: 13 years
Laura Kelly, P.E.	Mechanical Manager	Mechanical Engineer	Experience: 13 years

Gregory Pier, P.E.	Project Engineer	Electrical Engineer	Experience: 14 years

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

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

Infinity's current workload is well-suited to provide engineering support services to Jefferson Parish. Infinity has completed or is in the design completion stage of similar projects **(Ridgelake Drainage and West Metairie Ave Rehabilitation)** that will allow necessary personnel the uninterrupted ability to focus on the completion of any assigned projects. 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."*

Location of the principal office where work will be performed.

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

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

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

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

Infinity points to past successes as a token of our reputation as a responsible and capable technical resource for Jefferson Parish on this project. 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."*

Another example of a similar past success, Tim Mathison, former City of Slidell Chief Administrative Officer states his experience working with Infinity for the City's Kostmayer Avenue (1.1 mile) and Sgt. Alfred Drive (1.1 mile)

projects, "….Infinity was tasked with the improvements to the roadway and 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…I would recommend Infinity for their design capabilities, as well as their professional approach to project management."

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

Infinity's firm size is well-suited for an array of project sizes. Currently Infinity has nine (9) civil engineers, four (4) structural engineers, five (5) mechanical engineers, four (4) electrical engineers, three (3) resident inspectors, and nine (10) drafters available who may be required for these projects. Total firm size is 39.

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

Past Performance by person or firm on Parish projects.

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

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

Infinity completed an EOC communications tower and two major drainage projects for Jefferson Parish on the Westbank, one in District 1 and the other in District 3. Former Capitol Projects Director Reda Youssef, P.E. offered these affirming words of Infinity's performance, "Infinity Engineering Consultants has successfully completed the designs for the Wedmore and Bannerwood Drainage projects, as well as the design for the parish's new EOC tower. Their team is competent, easy to work with, and communicate well. I would highly recommend Infinity for these types of projects."

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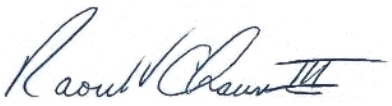
Infinity is proud to provide engineering services to Jefferson Parish and believe that we have the ability to continue this relationship by providing timely and effective designs for drainage projects. Thank you for taking the time to learn more about Infinity Engineering Consultants, LLC. We look forward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

Sincerely,

Infinity Engineering Consultants, LLC



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

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Routine Engineering Services for Drainage Projects
Resolution No. 138811

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:

5	Administrative		Estimators		Specification Writers
	Architects (Licensed)		Geologists	4	Structural Engineers
	Chemical Engineers		Geotechnical Engineers		Graduate Engineers
9	Civil Engineers		Interior Designers		Project Managers
4	Construction Inspectors		Landscape Architects		Clerical
	Ecologists		Land Surveyor		Grant/Funding Specialist
3	Electrical Engineers	5	Mechanical Engineers		Sanitary Engineers
	Engineer Intern		Environmental Engineers	9	Drafting/Design
	Professional Land Surveyors			39	**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.		
7.		

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

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

Jefferson Parish State of Louisiana

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:

18

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:

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
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 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.

Seatrain Road Improvements – Belle Chasse, LA

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

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.

Kostmayer Ave. Resurfacing and Drainage Improvements – Slidell, LA

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

N. Galvez Street Reconstruction – New Orleans, LA

Project Manager for the reconstruction of N. Galvez Street. Project included the civil design and construction administration of 5,000 feet of roadway on a major thoroughfare. Infinity designed the roadway, subsurface drainage, plans and profile, and sidewalk and driveway reconstruction.

Ollie Basin Drainage Study – Jesuit Bend, LA

Principal for the Ollie Drainage District capacity evaluation project. 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.

Canal Street Ferry Terminal Replacement – New Orleans, LA

Principal for the engineering design of the demolition and redevelopment of the Canal Street Ferry Terminal on the Mississippi River in New Orleans for the RTA. The project includes the construction of a new terminal building, reconfiguration of streetcar tracks, realignment of underground utilities, construction of a new wharf structure, and refurbishment and reconfiguration of a captive barge platform.

Regional Transit Authority Canal Street to UPT 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.

Mid-City Street Repairs – New Orleans, LA

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.

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:
13
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

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.

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

Responsible for the structural design of the replacement of two sewer 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. Foundation design included review of geotechnical reports.

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:
Project Manager Quality Control Manager
Name of Firm with which Associated:
Infinity Engineering Consultants, LLC
Years' experience with this Firm:
3
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:

Ridgelake Drive Drainage Improvements – Metairie, LA

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

City-Wide Drainage Master Plan, New Orleans, Louisiana

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. 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.

Pontilly Stormwater HMGP Project, New Orleans, Louisiana

Served as the senior project manager as well as task leader for the environmental assessment, permitting, cost estimating, and community outreach tasks 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.

Broadmoor Drainage Upgrades and Green Infrastructure Project, New Orleans, Louisiana

Senior project manager and lead engineer to guide a multi-disciplined team through the development of a schematic design report and schematic design documents for a project aimed at 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.

Drainage System Engineering Analysis Project, New Orleans, Louisiana

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 development of an approach to determine appropriate pipe repair recommendations 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 evaluate and create 60 reports with pipe repair recommendations.

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 Engineering Manager
Name of Firm with which Associated:
Infinity Engineering Consultants, LLC
Years' experience with this Firm:
5
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 25 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:

W. Metairie Ave. Rehabilitation – Metairie, LA

Roadway and drainage improvements for W. Metairie Avenue, work included the removal and replacement of concrete paving panels and the 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. Responsible for overall design, preparation of plans and specifications, provided cost estimation and coordinated all aspects of the project with the Owner and sub consultants.

Ridgelake Drive Drainage Improvements – Metairie, LA

Technical lead responsible for the designed roadway gradients to create positive cross-sectional and longitudinal drainage, identified concrete roadway pavement sections for replacement, replacement of all sewer and water lines, and upgrading the existing drainage system to improve drainage with installation of 54" RCPA drain lines, which included the addition of a new outfall discharge pipe installed in the existing drainage canal. The project included compete reconstruction of both lanes of concrete pavement.

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.

11th Street Renovations – Metairie, LA
Responsible for roadway reconstruction, which included drainage analysis and design, a new water system, improvements to existing sewer system, and pavement design for approximately 3,800 linear feet.

Belle Point Drainage Pumping Station – 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 will be capable of handling 70,000 GMP of storm water.

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.

IMTT Avondale Track Drainage – Avondale, LA
Responsible for the drainage analysis and design for providing site drainage around existing railroad tracks. Including routing of drainage system in tight spaces while maintaining access to rail cars and providing additional site paving to accommodate the proposed revisions.

Magnolia Street Bridge – Slidell, LA
Provided technical support for the design services for a box culvert. A visual inspection was performed to determine the existing conditions and location of trees, mailboxes, power poles, and other potential obstructions. Performed a drainage analysis for the existing and designed system. The existing deteriorated wooden bridge was replaced with an aluminum box culvert approximately 12' wide and 4' deep, including the addition of guardrails and regrading of the existing drainage canal.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Karson Kall, P.E., PMP Senior Civil Project Engineer
Project Assignment:
Advanced Measurements Manager Civil/Structural Manager
Name of Firm with which Associated:
Infinity Engineering Consultants, LLC
Years' experience with this Firm:
9
Education: Degree(s)/Year/Specialization:
Bachelor of Science / 2007 / Civil Engineering
Active registration: Year first registered/discipline:
Professional Engineer – Civil Engineering CO/2016/Civil LA/2012/Civil MS/2014/CivilTX/2014/Civil
Other experience and qualifications relevant to the proposed Project:

Mr. Kall holds more than 14 years of experience with coordination, supervision, and time management for numerous multi-million dollar federal funded projects. As Senior Civil Engineer, Mr. Kall brings skills in productive interaction and constant coordination with the multiple disciplines; including architectural, civil, structural, and mechanical engineering firms. Additionally, Mr. Kall is quick to produce effective resolutions to day-to-day issues, either at the office or on-site. Specific major project relevant to Jefferson Parish's need for drainage conveyance and roadway rehabilitation includes:

Filmore Group B Complete Street Reconstruction - New Orleans, Louisiana

Complete street reconstruction for the City of New Orleans spanning just over 1000 LF. Responsible for designing new domestic sewer, water, and drainage. Establish new grade lines and tie into new systems. Drainage was completed utilizing HYDRA6000 for drain inlet spacing and HYDRA6020 for sizing. Establish proposed grade line (PGL), establish inverts, regrade ROW, joint layouts, bike lane striping, signage, and cross sections established.

Mid-City Street Repairs Group B - New Orleans, Louisiana

Complete street reconstruction for the City of New Orleans spanning just over 1000 LF. Project Engineer responsible for designing new domestic sewer, water, and drainage. Establish new grade lines and tie into new systems in to existing. Drainage was completed utilizing HYDRA6000 for drain inlet spacing and HYDRA6020 for sizing. Establish proposed grade line (PGL), establish inverts, regrade ROW, joint layouts, striping, signage, and cross sections established. Additional 64 blocks included identification and quantification of Hurricane Katrina damages to roadways, driveway aprons, sidewalks, curbs, and drainage structures. Create pavement only drawing package and a separate package containing repairs associated with waterline, sewer line repairs and drainage point repairs. Develop repairs and create construction documents.

North Galvez Street Project - New Orleans, Louisiana

Provided construction administrative services for a replacement of an existing waterline, sewer lines, and drainage including valves, fire hydrants, house connections, service connections, siphon lines, manholes and full street replacement for a mile-long section.

St. Roch Neighborhood Street Repairs – New Orleans, LA

Responsible for the identification and quantification of damages to roadways, driveway aprons, sidewalks, curbs, and drainage structures. Develop repairs and create construction documents.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Robert Haydel Civil Project Engineer
Project Assignment:
Civil Project Engineer Hydrologic and Hydraulic (H&H) Study
Name of Firm with which Associated:
Infinity Engineering Consultants, LLC
Years' experience with this Firm:
2
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:

New Orleans Drainage Master Plan – New Orleans, LA
Worked within a project team to develop a SWMM model to improve the conveyance of stormwater across the City of New Orleans. This master plan set out to covey the entire stormwater from a 10-year storm event.

DPS 01 Watershed Drainage Upgrades and Green Infrastructure – New Orleans, LA
Designed drainage conveyance and retention improvements, coordinated permitting design requirements, and designed bi-directional bike lanes. Completed multiple full roadway reconstruction designs (pavement, drainage, water, sewer) while introducing new stormwater management practices and enhanced pedestrian and cycle traffic.

New Orleans Redevelopment Authority HMGP Project - New Orleans, LA
Designed low impact stormwater development and best management practice strategies, developed green infrastructure calculation processes, and created multiple SWMMMs for design analysis. In addition, designed the neighborhood stormwater management strategy with existing local and state roadway guidelines and standards while introducing porous pavement technologies.

Ridgelake Drive Drainage Improvements - Metairie, LA
Designed roadway gradients to create positive cross-sectional and longitudinal drainage. Additionally, identified concrete roadway pavement sections for replacement.

St. Roch North Roadway Repair – New Orleans, Louisiana
Project Manager responsible for leading a team in designing the complete street replacement in the St. Roch neighborhood. The project required replacement of roadways, sidewalks, and driveways with the addition of ADA compliant ramps. Designs included roadway gradients to create positive cross-sectional and longitudinal drainage. Hydraulic design/analysis was also required for drainage system design.

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

Designed 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.

S. Dupre and S. Gayoso Street Improvements – New Orleans, Louisiana

Utilizing green infrastructure systems, responsible for developing new drainage conveyance and retention technologies to retain a ten-year storm event. Additionally, designed the pavement structures (asphalt roadway, porous concrete, sidewalks, driveways, ADA ramps) and managed the design of the sewer and water systems. This project is being used as a green infrastructure standard for new roadway improvements throughout the City of New Orleans.

Lakeview Roadway Restoration – New Orleans, Louisiana

Responsible for maintaining and organizing field construction activities for extensive roadway and utility repairs across the Lakeview area. As a field manager, proposed necessary construction changes and documented project progress.

Mead Westvaco Plant Stormwater Evaluation – Evadale, TX

Task leader of the drainage evaluation, calculations, and design for a 2,000 l.f. open channel design project. Responsibilities included completing a survey of the project site with hydraulics & hydrology, evaluating the existing drainage system, and developing a SWMM model. Additionally, Mr. Haydel developed multiple drainage options, developed flow process narrative and P&IDs, and designed channel riprap.

Calumet Processing Plant Stormwater Management Evaluation

Task leader responsible drainage evaluation and calculations. Mr. Haydel surveyed the drainage system and designed multiple options with varying treatment options. To bring the plant's drainage system up to local standards, Mr. Haydel developed a HEC-HMS model. Developed a final detailed drainage report covering multiple drainage options along with cost estimates.

Jefferson Parish
State of Louisiana

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:
5
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 thirteen 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.

Jefferson Parish Government Planters Pump Station
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 Rehab – Covington, lA
Project engineer responsible for project management of 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 coordinating and participating in project status meetings.

Sewerage & Water Board Miscellaneous Sewage Pump Stations – New Orleans, LA
Project Engineer responsible for mechanical engineering design for repairs at multiple sewage pumping stations. Project responsibilities included performing site visits, determining repair designs, and developing construction drawings and specifications.

Criminal Evidence and Process Complex – New Orleans, LA
Project Engineer responsible for plumbing design for five-story building including toilet rooms, break rooms and crime lab areas. Plumbing design included pipe sizing, fixture selection, equipment sizing, and piping layout for domestic water, waste and vent, and roof drainage systems.

IMTT Containment Pan – St. Rose, LA
Project engineer responsible for project management as well as mechanical engineering design of containment pan drain piping system. Project responsibilities included project coordination, site visits, design of containment pan drainage system, and development of construction drawings.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Raoul V. Chauvin, III, P.E.
Principal
Mechanical Engineering Supervisor

Project Assignment:

Principal-in-Charge

Name of Firm with which Associated:

Infinity Engineering Consultants, LLC

Years' experience with this Firm:

18

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 30-year career has revolved around providing cost effective, efficient design solutions for municipalities, offshore oil, and inland marine terminals.

Amoretti & Fort Jackson Sluice Gates - Plaquemines Parish Dept. of Public Works
Lead Engineer responsible for mechanical components of these flood control structures. Hazard Mitigation designs were utilized to reduce future damage.

Ollie Canal Drainage Pump Station Plaquemines Parish Dept. of Public Works – Jesuit Bend, LA
Lead Mechanical Engineer for a $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.

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

Sewerage and Water Board of New Orleans Drainage Pump Stations 4, 13, 17, & 19 – New Orleans, LA
Lead Mechanical Engineer for repair design of these stations damaged by Katrina. Repair included motors, pumps, valves, piping, and HVAC.

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 of the Belle Point neighborhood. The pump stations include submersible pumps and power systems located below grade in a wet well within the right-of-way of the street and will be capable of handling 70,000 GMP of storm water.

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Gregory Pier, P.E. Senior Electrical Project Engineer
Project Assignment:
Electrical Project Engineer Electrical Utilities Engineer
Name of Firm with which Associated:
Infinity Engineering Consultants, LLC
Years' experience with this Firm:
10
Education: Degree(s)/Year/Specialization:
Bachelor of Science/2008/Electrical Engineering
Active registration: Year first registered/discipline:
Professional Engineer – Electrical Engineering LA/23878/2022
Other experience and qualifications relevant to the proposed Project:

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

Project Electrical Engineer for the removal and refurbishment of two vertical pumps; condition evaluation of two electric motors; replacement of the electrical system from main breaker/disconnect; and establishment of a back-up generator. Verified compatibility between the new pump and the existing variable frequency drive.

Sewerage & Water Board Underpass Drainage Stations - New Orleans, LA

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

Landfill Leachate Rehabilitation – Jefferson Parish, LA

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

Jefferson Parish Government Traffic Operations Center Standby Generator

Project Manager and Electrical Engineer for the addition of a 150-kW natural gas stand-by generator to provide power to the entire facility should the loss of primary power occur. The project included the reconfiguration of existing electrical systems to comply with the new generator installation. Additionally provided construction administration.

Cutty Sark and Titanic Lift Station – Jefferson Parish, LA

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

Lakefront Airport Electrical Platform Final Design - New Orleans, LA

Designed the relocation of the electrical vault to including using the existing vault as a wire splicing area. All new power distribution was provided in the new vault including 480 & 120/240VAC panelboards, regulators, lighting, and receptacles. Lightning protection and new building ground ring was also provided on this new building.

Patterson Parish State of Louisiana

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:
Infinity Engineering Consultants, LLC
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:

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

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.

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

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.

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

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.

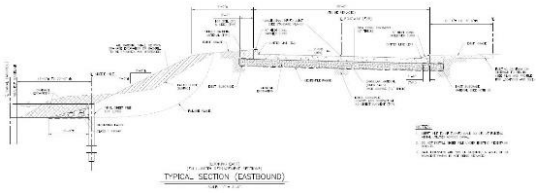
PROJECT NO. 1

Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Bannerwood Drainage Improvements Harvey, LA Jefferson Parish Government Neil Schneider 504-736-6833	Infinity provided engineering design and drainage improvement within the Bannerwood Subdivion totaling 3-quarter square mile of residential neighborhood. This two-phased project consisted of upgrading subsurface drainage on four (4) outfalls from the Bannerwood Subdivision to the Oakwood Canal, as well as improvements to the subsurface drainage systems along Willowbrook Drive.  The upgrading included miscellaneous improvements to lateral drainage connections and replacement of disturbed street, driveways, sidewalks, and utilities. 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.	
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:**	
Ridgelake Roadway and Drainage Improvements Metairie, Louisiana Jefferson Parish Government Neil Schneider 504-736-6833	Prime consultant for the engineering and design services for roadway, streetscaping and drainage improvements on ¾ mile of Ridgelake Drive, including subsurface drainage, new 54-inch outfall, lateral drainage connections, etc. The scope of the project included increasing the current drainage culvert size along Ridgelake from 6th Street to West Esplanade. A topographic survey was required to map the area affected by construction as well as identify the location of the existing culvert and other utilities which may be affected or conflicting. Additionally, Infinity's designs will include roadway, driveway, and sidewalk repair. The engineering consultant will prepare construction plans and specifications suitable for bidding. Infinity will administer the construction activities and provide resident inspection throughout to monitor the contractors' work. 	
Completion Date (Actual or estimated):	**Estimated Cost:**	
Designs Completed, Entering Construction Bidding Phase Completion: TBD	$2,000,000	$2,000,000

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
West Metairie Avenue Rehabilitation Metairie, LA Jefferson Parish Government Gene Gillen, P.E. 504-832-4878	Infinity is the prime consultant for the restoration of (2) miles of West Metairie Avenue between Roosevelt Boulevard and David Drive. The complete street replacement designs included coordinating work on both sides of the canal to minimize impact to the residential areas. The project required the replacement pavement as well as adjacent canal bank stabilization. Adjacent sidewalks were also reconstructed with side street turnout to meet ADA criteria. Infinity's designs included improvement to the drainage system along the streets that was based off hydraulic studies. The drainage improvements included the following: • 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:**
Designs Completed, Entering Construction Phase Completion: TBD	$7,000,000	$7,000,000

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Wedmore Drainage Improvements Marrero, LA Jefferson Parish Government Neil Schneider 504-736-6833	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 upgrading subsurface drainage on four (4) out-falls. Additionally, the drainage upgrades included improvements to lateral drainage connections 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.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Completed: 2014	$4,000,000	$4,000,000

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
VA Medical Center Drainage & Infrastructure Improvements New Orleans, LA City of New Orleans Department of Public Works Nguyen Phan 504-658-8021	Infinity provided civil and electrical engineering design for the reconstruction of subsurface utilities and paving for 3,000 lf of major thoroughfare in support of the new VA Medical Complex. These designs corrected deficiencies in street conditions and utilities to support the new medical complex in Mid-City New Orleans.  Infinity designed subsurface drainage, sewer force main reroutes, water main reroutes, and underground electrical power distribution reroutes. Additionally, Infinity provided designs for all roadway paving, including concrete/asphalt curb and gutter, and drainage improvements. Utility conflict resolution involved weekly and daily coordination meetings with Sewerage and Water Board of New Orleans, City of New Orleans, Department of Public Works, Entergy, and other private utility companies, engineers, managers, and operations personnel.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Completed: 2011	$11,000,000	$3,000,000

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Belle Point Pump Station Design and Replacement Reserve, LA St. John the Baptist Parish Brian Nunes, P.E. 985-652-4815	Infinity provided the design of (2) new pump stations to replace inadequate capacity of existing station and improve the existing drainage in the Belle Point neighborhood. The designs included the interconnection of approximately (7) catch basins along Mallard Road and the capping off the existing outfalls such that they were routed to the new submersible pump stations. The pumping stations include submersible pumps, motors, accessories, wet well, valve vault, piping, backflow preventer and all associated equipment, devices, etc. to ensure proper function. The stations are 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. Electrical designs included all electrical for power requirements of the motors and control panels, accessories, SCADA, alarms, and panel enclosures, as well as a manual transfer switch for connection of a generator to the control panel for power outages.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Completed: 2017	$1,350,000	$1,350,000

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Ollie Pumping Station Expansion & Vehicular Bridges Jesuit Bend, LA Plaquemines Parish Government Ken Dugas, P.E. 504-297-5343	 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. 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 addition of two (2) new 300 CFS drainage pumps 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: •New, pile supported pump building foundation •Enlarged the existing suction and discharge basins •Specified new pumps & diesel engines, based on the hydraulic requirements •Specifying compressed air and diesel fuel piping and storage utilities •New operator quiet room with office and restroom facility •New electrical power and lighting for station modifications	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	**Work for which Firm was Responsible:**
Completed: 2011	$16,500,000	$16,500,000

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Pritchard Ditch Drainage Improvements Marrero, LA Jefferson Parish Government Neil Schneider 504-736-6833	The Pritchard Ditch drainage improvement project consists of designing a new pipeline to replace an existing 96-inch culvert. The drainage improvements consisted of evaluating the existing pipeline invert and surrounding elevation to determine the modifications to the culvert which are required to improve the flow of stormwater through the project site. As the prime consultant, Infinity evaluated the drainage system to determine the designs for this 1,000 linear foot open channel drainage design. The parish requested a box culvert design to be included. Using existing parameters, Infinity evaluated the discharge flow rate of the trapezoidal open channel ditch to properly determine the size of the proposed box culvert. The designs consist of a 4x12 foot pre-cast reinforced concrete box culvert. Additionally, Infinity analyzed the drainage system for proper conveyance rate of the existing outflow pipes and open channel. Infinity will be providing professional services through the construction phase, including construction administration.	
Completion Date (Actual or estimated):	**Estimated Cost:**	
	Entire Project:	**Work for which Firm was Responsible:**
Design Completed: 2022 Construction: TBD	$1,000,000	$1,000,000

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Fort Jackson & Amoretti Sluice Gates Plaquemines Parish, LA Plaquemines Parish Government Ken Dugas, P.E. 504-297-5343	These FEMA-funded projects involved damage assessment and repair design 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. Fort Jackson Sluice Gate included plans and specifications for detailed design of: • Replacement of mechanical gates and gear mechanisms damaged by tidal surge and rescue vehicle traffic. Hazard mitigation techniques included installation of corrosion-resistant materials • Hydraulic analysis of drainage basin for gate selection • Replacement of two (2) 150 feet, 72" steel corrugated culverts and repair/replacement of levee drainage district separation and water seal • Canal sloping and installation of slope stabilization pavers on all canal banks Amoretti Sluice Gate included plans and specifications for detailed design of: • **Replacement of mechanical gates and gear mechanisms** damaged by tidal surge • Hazard mitigation techniques included **installation of corrosion-resistant materials** • Canal sloping and installation of slope stabilization pavers	
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. 10		
Project Name, Location and Owner's contact information:	**Nature of Firm's Responsibility:**	
Hero Drainage Pump Station Harvey, LA Jefferson Parish Government Ben Lepine 504-736-6759	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.  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.	
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.

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, 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 (18) seventeen 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.

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

Key Personnel Qualifications and Experience

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

2 Project Management
3 Complete Structural, Civil, Mechanical & Electrical Engineering
4 Corps Permitting
5 Construction Administration & Resident Inspections

We employ (9), 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 25 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	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
Robert Haydel	Project Engineer	Civil Engineer	Experience: 15 years
Karson Kall, P.E.	Advanced Measurements	Civil Engineer	Experience: 13 years
Laura Kelly, P.E.	Mechanical Manager	Mechanical Engineer	Experience: 13 years
Gregory Pier, P.E.	Project Engineer	Electrical Engineer	Experience: 14 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. Infinity has completed or is in the design completion stage of similar projects (Ridgelake Drainage and West Metairie Ave Rehabilitation) that will allow necessary personnel the uninterrupted ability to focus on the completion any assigned drainage 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."*

Location of the principal office where work will be performed.

Infinity's only office is located in the Fat City area of Metairie, LA, minutes away from the various Jefferson Parish governmental offices. Therefore, distance will not hinder our ability to perform appropriately on any projects. We have executed multi-million-dollar projects throughout Louisiana, Texas and as far away as Pennsylvania, and the Bahamas. More importantly, the communication between our office, our teaming partners, and the Jefferson Parish will determine the project's success. Infinity has a history of building strong relationships with our teaming partners. If the scope of an assigned project dictates the need to work with other consulting firms, we welcome the opportunity to partner with other entities on the as-needed list.

TEC Professional Services Questionnaire

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 Metairie Avenue Roadway and Drainage Rehabilitation
- Wedmore Subdivision Drainage Improvements
- Ridgelake Roadway and Drainage Improvements
- Pritchard Ditch Drainage Improvements
- Bannerwood Subdivision Drainage Improvements
- Hero Pumping Station Upgrades

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."**

Wedmore Drainage - West Culvert

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.

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

Title: Principal **Date:** March 29, 2022

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

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

JEFFERSON PARISH
DEPARTMENT OF CAPITAL PROJECTS
PUBLIC WORKS

WWW.JEFFPARISH.NET

JOHN F. YOUNG, JR.
PARISH PRESIDENT

REDA M. YOUSSEF, P.E.
DIRECTOR

June 13, 2013

To Whom It May Concern:

Jefferson Parish Government uses many engineering consultants for infrastructure improvement projects. Our consultants' responsibilities may include architectural, electrical, civil, structural, and foundation design, as well as feasibility studies, drainage studies, and environmental evaluations throughout the parish.

Infinity Engineering Consultants has successfully completed the designs for the Wedmore and Bannerwood Drainage projects, as well as the design for the parish's new EOC tower. Their team is competent, easy to work with, and communicate well. I would highly recommend Infinity for these types of projects.

Sincerely,

Reda Youssef, P.E.
Director, Capital Projects

RY/GEL

cc: Kazem Alikhani, Director – Public Works

JOSEPH S. YENNI BLDG - 1221 ELMWOOD PARK BLVD - SUITE 906 - JEFFERSON, LA 70123
P.O. BOX 10242 - JEFFERSON, LOUISIANA 70181-0242 - OFFICE 504.736.6333 - FAX 504.736.6739

Infinity Engineering, LLC.
Organizational Chart

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

William J. Thomassie, P.E.
Principal Partner

Engineering and Operations

Rachel Kenney, P.E.
Chief Engineer

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

Business Development & Marketing

Chelsea Patin
Business Development

Andrew Herbert
Marketing Coordinator

Finance and Administration

Rayna Guillot
Contracts & Accounting Administrator

Katherine Stephan
HR Administrator

Stacie Davenport
Engineering Document Management

Ricardo Contreras, P.E.
Civil Engineering Technical Manager

- Kirk Trombatore, P.E. — *Senior Engineer - Structural*
- Cindy Gallo, P.E. — *Project Engineer - Structural*
- Kevin Hurtt, E.I. — *Project Engineer - Civil*
- Caroline Christmas, E.I. — *Project Engineer - Civil*
- Bryce Barrilleaux — *Project Engineer - Civil*
- Eric Kelly, P.E. — *Senior Project Engineer - Civil*
- Robert Haydel — *Project Engineer - Civil*
- Karson Kall, P.E. — *Project Engineer*
- Michael Riviere, E.I. — *Project Engineer*

Laura Kelly, P.E.
Mechanical Engineering Technical Manager

- Stephen Gholston, P.E. — *Project Engineer - Mechanical*
- Brian Lauritsen, E.I. — *Project Engineer - Mechanical*
- Andrew Conlin, E.I. — *Project Engineer - Mechanical*

Gregory Lintinger, P.E.
Senior Engineer - Electrical

- Gregory Pier, E.I. — *Project Engineer - Electrical*
- Bart Lacomb — *Project Engineer - Electrical*
- Dara Bird — *Intern - Electrical*

Karson Kall, P.E.
Field Services Technical Manager

- Michael Riviere, E.I. — *Construction Engineer*
- Leon Vial — *Advanced Measurements Technician*
- Rodeny Zeigler — *Construction Inspector*
- Wayne Williams — *Construction Inspector*
- Steve Thome — *Construction Inspector*

Eric Olson
Drafting and Design Technical Manager

- Lavon West — *Senior Designer*
- Diana Babineaux — *Designer*
- Roy Boudreaux — *Designer*
- Tim O'Quinn — *Senior Drafter*
- Quoc Vu — *Designer*
- Jared Barcia — *Designer*
- Ricky Boudreaux — *Designer*
- Frank Cherry — *Drafter*