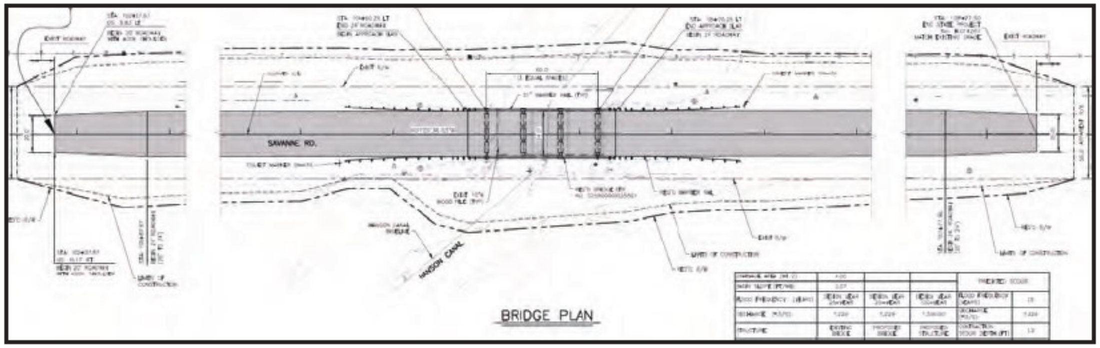
Contract for Off System Highway Bridge Program
Contract No. 4400025038



Contract for Off System Highway Bridge Program Cleve Kennedy Road Over Morgan Branch

Contract No. 4400025038

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

November 22, 2022

Infinity Engineering Consultants
Letter of Interest

Louisiana Registered Engineering Firm Number

Infinity Engineering Consultants, LLC.
EF. 0001309

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

November 21, 2022

Department of Transportation & Development
Consultant Contracts Services
1201 Capitol Access Road, Room 405-E
Baton Rouge, LA 70802
DOTDConsultantAds80@la.gov

Re: Off System Highway Bridge Program Cleve Kennedy Road Over Morgan Branch
Contract No. 4400025038

With reference to the above stated project, Infinity Engineering Consultants, LLC is pleased to present our statement of qualifications. Upon thoroughly reading the request for qualifications, we believe Infinity's team of engineers and designers meet and exceed the necessary qualifications to develop the preliminary engineering plans to replace an off-system bridge traversing Morgan Branch along Cleve Kennedy Road in Franklinton, Louisiana.

Firm Qualifications and Understanding of Scope
Infinity Engineering Consultants is a Metairie, Louisiana based firm, located only an hour and half from the proposed bridge site, that provides multi-disciplinary engineering services to both the public and private sectors. As a multi-discipline firm, comprising of civil, structural, mechanical, and electrical engineering, our firm is equipped to provided complete engineering design, from conception to commissioning, on transportation related projects.

Infinity's staff currently includes: (4) Structural Engineers, (6) Civil Engineers, (4) Electrical Engineers, (4) Mechanical Engineers, and (4) Resident Inspectors, all supported by (9) designers and drafters. Despite the recent periods of economic uncertainty, Infinity has been able to steadily expanded the company's staff and resources to better meet our clients' engineering consulting needs.

Across Infinity's 18-year company history, we hold extensive experience working with public agencies in the project manager role of prime consultant. Currently, we are enjoying a collaborative working relationship with the Louisiana Department of Transportation & Development as we are working to complete structural engineering designs for two off-system bridge replacement projects. Additionally, we are approaching the end of the construction phase for one new vehicular bridge at Alvin Calendar Airfield in Belle Chasse, LA. These project experiences make our team uniquely qualified for this project, as we not only hold the experience of designing DOTD off-system bridges, but also designing for the soil conditions found across Louisiana.

Infinity is proud of our reputation as being honest, reliable, and capable. As such, we have provided within our approach and methodology section snippets of reference letters that attest our work ethic. Pertinent resumes and project examples for the entire team are contained in the following DOTD 24-102 form.

We steadfastly confirm the following:

- Infinity Engineering Consultants, LLC. is within good standing
- The proposed team meets all of the minimum personnel requirements
    - Raoul V. Chauvin, III, P.E. is Infinity's principal partner who is a registered professional engineer in the State of Louisiana
    - William Thomassie, P.E. is Infinity's principal partner who is a registered professional engineer in the State of Louisiana in civil engineering
    - Ricardo Contreras, P.E. will serve as the project manager and holds over five years of experience in responsible charge of bridge design as a registered professional engineer in the State of Louisiana
    - Matthew Estopinal, PE, PLS is SJB Group's professional land surveyor registered in Louisiana with over five years of experience
    - Cory Ricks is ELOS Environmental's environmental professional with at least five years of experience in wetlands delineation
- The firm holds all licenses necessary to legally provide the related services in the State of Louisiana
- The lead professional for each category is a licensed professional in that area with a minimum of 10 years of experience in the category in which they will be the person in responsible charge.
- Infinity Engineering has not had a record of substandard work
- Infinity Engineering has never engaged in any unethical behavior
- Infinity is a state-certified DBE and Hudson Initiative certificate holder.

Documents Enclosed

- Letter of Interest
- Infinity DOTD 24-102 form
- DBE Certificates

Closing

Infinity takes pride in the skill-sets we have provided to public agencies throughout the State of Louisiana, especially when it comes to rebuilding vital infrastructures within our communities. We our confident that we have a team of engineering that can effectively and efficiently prepare topographic surveys, wetland delineation, and engineering designs for this off-system bridge project. We respectfully request that the LADOTD select Infinity Engineering Consultants for project so we can continue to work to improve our Jefferson Parish community. If you have any questions or require additional information, please call me at (504) 304-0548.

By signing this letter, the Respondent certifies that the signatory is authorized to bind the Respondent and certifies the content of this letter.

Sincerely,

Raoul V. Chauvin, III, P.E.
Infinity Engineering Consultants, LLC

DOTD FORM: 24-102

(Revised March 1, 2022)

PROPOSAL TO PROVIDE CONSULTANT SERVICES

Prime consultant shall complete the DOTD Form 24-102 without altering the Form's text; however, the instruction and/or guidance for Sections 12 through 23 can be removed but do not remove Section title and number.

ANY CONSULTANT FAILING TO SUBMIT ANY OF THE INFORMATION REQUIRED ON THE DOTD FORM 24-102, OR PROVIDING INACCURATE INFORMATION ON THE DOTD FORM 24-102, MAY BE CONSIDERED NON-RESPONSIVE.

Prime consultant should enter the firm name in the footer at the bottom of this page. (It will carry over to subsequent pages.)

1. Contract title as shown in the advertisement	**Contract for Off System Highway Bridge Program Cleve Kennedy Rd. Over Morgan Branch**
2. Contract number(s) as shown in the advertisement	4400025038
3. State Project Number(s), if shown in the advertisement	H.015012.5
4. Prime consultant name (as registered with the Louisiana Secretary of State where such registration is required by law)	**Infinity Engineering Consultants, LLC.**
5. Prime consultant license number (as registered with the Louisiana Professional Engineering and Land Surveying Board (LAPELS) if registration is required under Louisiana law)	EF.0003109
6. Prime consultant mailing address	4001 Division Street Metairie, LA 70002
7. Prime consultant physical address (existing or to be established, if location is used as an evaluation criteria)	Not Applicable
8. Name, title, phone number, and email address of prime consultant's contract point of contact	Raoul V. Chauvin, III, P.E. Principal rchauvin@infinityec.com 504-304-0548
9. Name, title, phone number, and email address of the official with signing authority for this proposal	Raoul V. Chauvin, III, P.E. Principal rchauvin@infinityec.com

	504-304-0548
10. This is to certify that all information contained herein is accurate and true, and that the team presently has sufficient staff to perform these services within the designated time frame. By submitting this proposal, proposer certifies that it is not engaged in a boycott of Israel and it will, for the duration of its contract obligations, refrain from a boycott of Israel. Proposer also certifies and agrees that the following information is correct: In preparing its response, the proposer has considered all proposals submitted from qualified, potential subcontractors and suppliers, and has not, in the solicitation, selection, or commercial treatment of any subcontractor or supplier, refused to transact or terminated business activities, or taken other actions intended to limit commercial relations, with a person or entity that is engaging in commercial transactions in Israel or Israeli-controlled territories, with the specific intent to accomplish a boycott or divestment of Israel. The proposer also has not retaliated against any person or other entity for reporting such refusal, termination, or commercially limiting actions. DOTD reserves the right to reject the response of the bidder or proposer if this certification is subsequently determined to be false, and to terminate any contract awarded based on such a false response.	Signature (shall be the same person as #9): Raoul V. Chauvin III Date: 11/21/2022
11. If a Disadvantaged Business Enterprise (DBE) goal has been set for this advertisement, indicate which firm(s) will be used to meet the DBE goal and each firm(s)' percentage.	Firm(s): Infinity Engineering Consultant, LLC — Firm(s)' %: 65%

12. **Past Performance Evaluation Discipline Table:**
As indicated in the advertisement, insert the completed table here. The percentages for the prime and sub-consultants must total 100% for **each past performance evaluation discipline**, as well as the overall total percent of the contract.

The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. The crosswalk from the old categories to the new categories can be found at the link below:
http://wwwsp.dotd.la.gov/Inside_LaDOTD/Divisions/Engineering/CCS/General%20Information/CPPR%20Crosswalk%20to%20New%20Evaluation%20Disciplines.pdf. (same link as in the advertisement)

Evaluation Disciplines	% of Overall Contract	Infinity Engineering Consultants	SJB Group, LLC.	ELOS		Firm E	Firm F
Bridge	65%	100%	-	-			
Environmental	15%	-	-	100%			
Survey	10%	-	100%	-			
Right-of-Way	5%	-	100%	-			
Other (SUE)	5%	-	100%	-			
Identify the percentage of work for the **overall contract** to be performed by the prime consultant and each sub-consultant.							
Percent of Contract	100%	65%	20%	15%			

 Prime consultant name: **Infinity Engineering, LLC.**

13. **Firm Size:**

Firm name	DOTD Job Classification	Number of personnel committed to this contract	Total number of personnel available in this DOTD Job Classification (if needed)
Infinity Engineering Consultants, LLC.	Principal	1	2
	Engineer	4	12
	Engineer Intern	1	5
	Drafter	1	3
	Designer	1	6
	Inspector - Bridge	1	3
	Project Office Manager	1	1
	Administrative	1	6
ELOS Environmental, LLC.	Biologist/Wetlands	2	10
	Environmental Pro	3	11
	Environmental Manager	1	2
	GIS Analyst	2	6
	Archaeologist	1	2
SJB Group, LLC.	Administrative	0	1
	Accountant	0	2
	CADD Drafter	0	1
	CADD-Operator	1	1
	Computer Analysist	0	1
	Engineer	0	2
	Instrument Man	2	2
	Landscape Architect	0	1
	Principal	3	4
	Rodman	2	2
	Senior Technician	4	6
	Supervisor – Eng	0	1
	Supervisor – Other	1	3

14. Organizational Chart:

LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

Infinity Engineering Consultants, LLC

William J. Thomassie, P.E.
Engineer of Record/
Principal-in-Charge

Louis Jackson, P.E.
QA/QC Manager /
Sub Consultant Manager

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

Structural Engineering

Rachel Kenney, P.E.
Checker/Chief Engineer

Cindy Gallo, P.E.
Designer/Structural Project Engineer

Kevin Hurtt, E.I.
Civil/Structural Engineer

Civil Engineering

Michael Riviere, E.I.
Civil Project Engineer

Robert Haydel
Civil Project Engineer - Drainage Analysis

**Completed DOTD Work Zone Training Courses*

SJB GROUP, LLC
QUALITY BY DESIGN

Topographic Surveying & ROW

Wilfred Barry, P.E., PLS*
Principal-in-Charge

Matthew Estopinal, P.E., PLS*
Survey Project Manager

Elvis Nguyen*
Field Crew Coordinator/ Sr. Technician

James Kootnz*
Party Chief

Karen Kennedy, P.E.*
Subsurface Utility Engineering Manager

Austin LaCombe, E.I.*
SUE Project Engineer

Kenneth Gaines
SUE Technician

ELOS environmental

Environmental

Lucas Watkins*
Principal / Arborist

Jerry Graves, PhD*
Senior Environmental Scientist / Project Planner

Brian Fortson
Senior Environmental Scientist

Cory Ricks
Project Manager & Environmental Scientist

Basile Dardar
Environmental Biologist

15. **Minimum Personnel Requirements:**

MPR No. Do not insert wording from ad	Personnel being used to meet the MPR (Individual(s) may not satisfy more than one MPR unless specifically allowed by Attachment B of the advertisement)	Firm employed by	Type of license / certification & number	State of license	License / certification expiration date
1	William J. Thomassie, P.E.	Infinity Engineering Consultants	Professional Engineer: No. 27421	LA	09/30/2023
2	Louis Jackson, P.E.	Infinity Engineering Consultants	Professional Engineer: No. 29314	LA	03/31/2023
2	Cindy Gallo, P.E.	Infinity Engineering Consultants	Professional Engineer: No. 43357	LA	09/30/2023
3	Rachel Kenney, P.E.	Infinity Engineering Consultants	Professional Engineer: No. 37666	LA	09/30/2023
3	Ricardo Contreras, P.E.	Infinity Engineering Consultants	Professional Engineer: No. 28533	LA	09/30/2023
4	Wilfred Barry, P.E., PLS	SJB Group, LLC.	Professional Engineer No: 17452 Professional Land Surveyor No: 0004612	LA	03/31/2024 03/31/2024
4	Matthew Estopinal,P.E., PLS	SJB Group, LLC.	Professional Engineer No: 39151 Professional Land Surveyor No: 0004955	LA	03/31/2023 03/31/2023
4	Charles Tim Brewer, PLS	SJB Group, LLC.	Professional Land Surveyor No: 0005009	LA	09/30/2023
5	Lucas Watkins	ELOS Environmental, LLC	FHWA - NHI course No. 142005, “National Environmental Policy and Transportation Decision Making”	N/A	N/A
5	Jerry Graves	ELOS Environmental, LLC	FHWA - NHI course No. 142005, “National Environmental Policy and Transportation Decision Making”	N/A	N/A
5	Cory Ricks	ELOS Environmental, LLC	U.S. Army Corps of Engineers Wetland Delineation	N/A	N/A
5	Brian Fortson	ELOS Environmental, LLC	U.S. Army Corps of Engineers Wetland Delineation	N/A	N/A

16. Staff Experience:

Résumés shall be provided for all prime and sub-consultant personnel listed in Sections 14 and/or 15 of the proposal. Résumés of personnel not identified in Section 14 or Section 15 of the proposal should not be included and will not be evaluated. Résumés should be limited to 2 pages per person. Any certificates required by the advertisement are to be placed in Section 20.

Firm employed by	**Infinity Engineering Consultants, LLC.**		Meets MPR No. 1
Name	**William J. Thomassie, P.E.**	Years of relevant experience with this employer	18
Title	Principal	Years of relevant experience with other employer(s)	12
Degree(s) / Years / Specialization		Bachelor of Science / 1992 / Civil Engineering	
Active registration number / state / expiration date		No. 27421 / LA / 9/30/2023	
Year registered	1997	Discipline	Civil/Structural Engineering
Contract role(s) / brief description of responsibilities		Engineer of Record/Principal-in-Charge 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. With many of Infinity's projects requiring up to $45,000,000 for installation or modifications, Mr. Thomassie's guidance and shaping of designs, along with construction support, has enabled project completion on schedule and with minimal adverse impact on commerce in the area. Additionally, Mr. Thomassie hold active professional engineering registration in fifteen states. MEETS MINIMUM LADOTD PERSONNEL REQ.	

Experience dates (mm/yy–mm/yy)	Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).
4/2014 – 9/2017	**City of New Orleans Joe Brown Park Bridge Replacement** – Principal engineer for the design of the complete replacement of the Joe Brown Park Bridge. Infinity's condition inspection and bridge rating previously deemed the bridge needed replacement. The new bridge design also included a load rating.
10/2010 – 9/2012	**Entergy Evergreen Bridges** – Principal engineer for the design of two (2) vehicular bridges to replace aging timber bridges on the approach to Entergy's Evergreen Substation. Provided new bridge designs for steel reinforced piles, decking and reinforced retaining wall/abutment. Designs also included a load rating.
4/2020 – 3/2022	**Cornerstone Dock Damage Evaluation and Design** - Principal for the evaluation of damage caused by a ship collision with a dock and bridge on Cornerstone's site. Oversaw the collection of advanced measurements, including drone imagery, to assess the damages. Upon the completion of the surveying, a comprehensive analysis report was provided to Cornerstone, including cost estimation for repairs. Additionally, overseeing the completion of designs to repair dock and bridge.
3/2019 – Under Construction	**Regional Transit Authority Canal Street Ferry Terminal CMAR** - 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, new bridge spanning (2) railroad tracks, reconfiguration of streetcar tracks, realignment of underground utilities, construction of a new wharf structure, and refurbishment and reconfiguration of a captive barge platform.

4/2014 – 2/2015	**City of New Orleans Bridge Load Ratings –** Principal engineer for the structural analyses and load ratings for fourteen (14) off-system bridges around the City of New Orleans. The analyses determined that the majority of the bridges met the AASHTO load rating requirements, and proscribed remedial repairs or replacement for those that did not pass inspection.
3/2012 – 3/2012	**Scarsdale Bridge Rating –** Principal engineer for the engineering analysis and load rating of two bridges at the Plaquemines Parish Scarsdale Pumping Station. The inspection and analysis of the two (2) 25' wide x 150' timber pile foundation bridges with precast pre-stressed concrete decks were necessitated by a load rating for dump trucks using the site.
7/2016 – 9/2017	**City of New Orleans Bridge Inspections and Ratings –** Principal engineer for the field inspections and bridge load rating calculations of five (5) bridges throughout the City of New Orleans as a subconsultant to DEII.
6/2004 – 12/2004	**City of New Orleans Wisner Bridge Inspection –** Principal in charge for inspecting, evaluating, and reporting deficiencies in the 3/8-mile-long Wisner Bridge over I-610. The inspection was completed in accordance with LaDOTD requirements and a plan for rehabilitation was prepared.
7/2006 – 7/2011	**Ollie Drainage Pumping Station Expansion and Bridge Design** - Principal for the Ollie Drainage District capacity evaluation and design 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.
11/2012 – 3/2021	**Mid-City Street Repairs and Repaving –** Principal Engineer for the identification and quantification of roadways, driveway aprons, sidewalks, curbs, and drainage structures repairs. Infinity developed a scoping report including the locations and justification of additional repairs for DPW to obtain funding from FEMA.
6/2011 – 5/2013	**City of Slidell Kostmayer Avenue Resurfacing and Drainage Improvements –** Lead Project Manager in the drainage design, material quantities, and cost estimating for the roadway repair and replacement design and all utility improvements. 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.
12/2009 – 9/2011	**City of New Orleans VA Medical Center Street Reconstruction** – Project Manager for the design of 3,000 lf of streets and utilities to correct deficiencies and support a new medical center.
3/2009 – 6/2011	**Louis Armstrong International Airport North Perimeter Road** – Project Manager for N. Perimeter Road at MSY Airport. The project includes the design of the new airport utility road extending approximately one mile around the facility.
8/2010 – 1/2013	**Regional Transit Authority Canal Street to UPT Streetcar Expansion** – 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.

Firm employed by	**Infinity Engineering Consultants, LLC.**		Meets MPR No. 2
Name	**Louis Jackson, P.E.**	Years of relevant experience with this employer	4
Title	Operations & Quality Control Manager	Years of relevant experience with other employer(s)	23
Degree(s) / Years / Specialization	Bachelor of Science / 2001 / Civil Engineering		
Active registration number / state / expiration date	No. 29314 / Louisiana / 03/31/2023		
Year registered	2001	Discipline	Civil/Structural Engineering
Contract role(s) / brief description of responsibilities	Quality Control Manager - Mr. Jackson has more than 25 years of engineering design, project management, and quality control experience. His project experience has led to expertise in the following areas: Subsurface Infrastructure; Stormwater Management; Grant and Program Management; Contract Negotiations; Multi-Disciplinary Project Team Leadership. As the Operations & QA/QC Manager, Mr. Jackson ensures all designs and deliverables achieve Infinity's high expectations of effective and efficient engineering. MEETS MINIMUM LADOTD PERSONNEL REQ.		

7/19 – Ongoing Bidding Phase	**Magnolia Street Bridge** – 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.
4/19 – 3/21	**Ridgelake Drive Drainage Improvements** - 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.
8/19 - Present	**Canal Street Ferry Terminal CMAR** - Operations and Quality Control Manager for the development of the design most cost-effective design to build a new pedestrian ferry terminal. Ensured designs satisfy project and grant requirements. The project includes designs for a new steel pile supported wharf, steel framed terminal building, and two steel framed towers connected by a prefabricated two steel truss bridges spanning over railroad tracks.
11/19 - Present	**St. Roch North Roadway Repairs** - 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.
3/12 – 5/13	**City of New Orleans Drainage Master Plan** - Project Manager for the $2M City of New Orleans Drainage Master Plan Project. Responsibilities included development of a detailed budget and creation of a detailed project work plan which addressed a multitude of project aspects, including communications and coordination of efforts and quality management.

Firm employed by **Infinity Engineering Consultants, LLC.**	Meets MPR No. 3
Name: **Rachel Kenney, P.E.**	Years of relevant experience with this employer: 13
Title: Chief Engineer	Years of relevant experience with other employer(s): 7
Degree(s) / Years / Specialization	Bachelor of Science / 2001 / Civil Engineering
Active registration number / state / expiration date	No. 37666 / Louisiana / 09/30/2023
Year registered: 2013 — Discipline	Civil/Structural Engineering
Contract role(s) / brief description of responsibilities	Senior Bridge Designer & Checker - As Infinity's Chief Engineer Ms. Kenney is responsible for overseeing all engineering projects for the firm. Ms. Kenney brings over twenty years of structural design and civil design engineering experience to the role. Throughout her career, Ms. Kenny has used her expertise to inspect and design a wide variety of structural projects, including bridges, municipality buildings, pumping stations, oil and gas facilities, and wastewater treatment plants. MEETS MINIMUM LADOTD PERSONNEL REQ.
1/2016 –1/2018	**Omega Refining Barge Dock and Vehicular Bridge** - Project Engineer for the design engineering for a new barge loading dock on the Mississippi. Project included the structural design of the steel dock framing and decking, the 225' pile supported, steel vehicular bridge, a hydraulic crane, 500' of piperack, and product piping from the facility to the dock, and electrical switchgear and lighting.
3/2018 – Present Under Construction	**Port Ship Service New Dock Design** - Managed project team to design relocated dock facility. The new dock design included a USACE levee crossing leading to an elevated platform as well as a 30' vehicular bridge with slope stabilization to the bank. Capture piles were provided for the relocated barge dock. Oversaw all pre-construction analysis and provided cost estimates.
3/2019 – Present Under Construction	**RTA Canal Street Ferry Terminal CMAR** - Managed a multidisciplined team of designers working with the Owner's Contractor to determine the most cost-effective design that would satisfy project and grant requirements. The project included: a steel pile supported wharf with concrete beams and hollow core concrete panels; a timber pile supported, steel framed terminal building; two steel framed stair/elevator towers connected by a prefabricated steel truss bridge spanning (2) railroad tracks; prefabricated 100' gangways; design of a half grand union with catenary system; captive barge dock; and temporary berth with steel platform, and temporary captive barge dock.
2/16 – 3/2021	**IMTT Geismar Dock 4** - Managed a team of Structural, Mechanical and Electrical engineers to complete the design of a new ship and barge dock, including a new bridge connecting the new and existing dock. Performed structural design, of 60"-72" diameter ship and barge breasting monopiles, a 40'x80' steel platform supporting a 40'x20'x100' tall steel framed hose tower, 760' of piperack, and associated walkways, stairs, and auxiliary structures.
6/2012 – 8/2012	**I-10 Overpass Inspection** - Performed the traffic control and the pre and post inspection of Interstate 10 overpass and ramps in the vicinity of the Pallas Hotel Implosion. Reviewed LADOTD reports, established bent numbering in the field, performed pre and post inspections of deck surfaces and structures.
6/2004 –12/2004	**City of New Orleans Wisner Bridge Inspection** - Responsible for inspecting, evaluating, and reporting deficiencies in the 3/8-mile-long Wisner Bridge over I-610. The inspection was completed in accordance with LaDOTD requirements and a plan for rehabilitation was prepared.

Firm employed by	**Infinity Engineering Consultants, LLC.**		Meets MPR No. 3
Name	**Ricardo Contreras, P.E.**	Years of relevant experience with this employer	5
Title	Civil/Structural Engineering Manager	Years of relevant experience with other employer(s)	21

Degree(s) / Years / Specialization		Bachelor of Science / 1994 / Civil Engineering	
Active registration number / state / expiration date		No. 28533 / LA / 9/30/2023	
Year registered	1999	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities		Project Manager and Roadway Design – With over 26 years of civil engineering and project management experience, Ricardo Contreras, P.E. brings the following relevant specialties to this project: roadway design, infrastructure assessment, multi-model complete street design, and roadway drainage design.	MEETS MINIMUM LADOTD PERSONNEL REQ.

12/2015 – 9/2017	**Joe Brown Park Bridge Rehabilitation** – 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.
7/2019 – Present	**Magnolia Street Bridge Replacement** – Civil Engineer responsible for site civil design and overall project development for the drainage improvements and 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
2/2021 – 2/2023 (Est)	**Shintech Water Intake Platform and Vehicular Bridge** - Provided technical assistance for the design of a new water intake platform at plant. The platform consists of a multi-disciplinary design with coordination between Infinity's civil, structural, mechanical, and electrical teams. Responsible for the design of a heavy equipment concrete bridge to connect from the levee to the new platform. Additionally, project called for designs of the roadway for vehicular levee crossing.
5/2021 - Present	**Savanne Road DOTD Off-System Bridge Replacement** - Provided technical assistance for the replacement of an off-system bridge along Savanne Road crossing over Hanson Canal. Oversaw all structural/civil engineering designs for the bridge replacement as well as coordinated with land surveying and environmental service sub consultants.
3/2020 – Under Construction	**Alvin Calender Airfield Vehicular Bridge** - Provided technical assistance for the establishment of a new vehicular bridge that will span across a drainage canal that parallels Barrier Road. Upon completion, this bridge will be approximately 50 feet wide by 160 feet in length and will include approach spans at both ends. Designs call for the bridge to uniformly elevated to span the canal and align with target grades, which is slightly higher than existing ground surfaces.
8/2001 – 10/2005	**LaDOTD Peters Road On and Off Ramps For the Westbank Expressway** – Responsible for stage "0" feasibility study, prepared preliminary plans for new on and off ramps for Peters Road and the Harvey tunnel traffic, including relocation of existing on and off ramps to the Westbank Expressway and incidental roadway realignment.
11/2016 – Under Construction	**West Metairie Avenue Rehabilitation and Canal Stabilization -** Roadway and drainage improvements work included the removal and replacement of concrete paving panels and the repair and adjustment of select drainage outfalls, 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.

Firm employed by	Infinity Engineering Consultants, LLC.		Meets MPR No. 2
Name	**Cindy Gallo, P.E.**	Years of relevant experience with this employer	8
Title	Project Delivery Manager/Structural Engineer	Years of relevant experience with other employer(s)	0
Degree(s) / Years / Specialization	Bachelor of Science / 2015 / Civil Engineering		
Active registration number / state / expiration date	No. 43357 / LA / 09/30/2023		
Year registered	2019	Discipline	**Civil/Structural Engineering**
Contract role(s) / brief description of responsibilities	Project Delivery Manager/Structural Engineer - 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. MEETS MINIMUM LADOTD PERSONNEL REQ.		
7/2019 – Present	**Magnolia Street Bridge Replacement –** 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.		
2/2018 – 10/2018	**City of New Orleans Joe Brown Park Bridge Rehabilitation –** 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. She was on 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.		
2/2015 – 10/2017	**City of New Orleans Bridge Inspections and Load Ratings -** 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.		
3/2019 – Under Construction	**Regional Transit Authority Canal Street Ferry Terminal CMAR** – Part of the team responsible for the preparation of construction drawing and specification package related to the installation of new terminal building, wharf structures, and new bridge. Coordinated with the project lead, the Owner, and the architect to ensure the client's needs were addressed.		
2/2021 – 2/2023 (Est)	**Shintech Water Intake Platform and Vehicular Bridge** - 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 performing topographic and hydrographic surveys, as well as the design of the concrete intake platform and vehicular access bridge supported by steel pilings/substructures, levee crossing and modifications, piping layouts, pipe support design, hydraulic analyses, and power and instrumentation as required for the platform.		

Firm employed by	Infinity Engineering Consultants, LLC.			
Name	**Robert Haydel**		Years of relevant experience with this employer	2
Title	Project Civil Engineer		Years of relevant experience with other employer(s)	13
Degree(s) / Years / Specialization			Bachelor of Science / 2005 / Physics Master of Science /2007 / Civil Engineering	
Active registration number / state / expiration date			N/A	
Year registered	N/A	Discipline	Civil Engineering	
Contract role(s) / brief description of responsibilities			**Hydraulics & Hydrology/Civil Engineering Roadway Design** - Civil Project Engineer Roadway and Drainage Design - With over 15 years of civil engineering experience, Robert Haydel brings the following relevant specialties to this project: roadway design, infrastructure assessment, storm water system design, and urban hydraulics and hydrology modeling.	

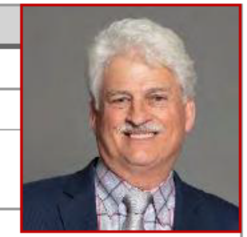
5/2021 - Present	**Savanne Road Off-System Bridge Replacement** – Task leader of the drainage evaluation, calculations, and design for a 3 Span 60-foot-long reinforced concrete bridge. Responsibilities included developing a HEC RAS model to complete a hydraulics & hydrology analysis of the project site. Developed the hydraulic report to fulfill LADOTD requirements for bridge replacement.
7/2021 - Present	**North River Road Off-System Bridge Replacement** – Task leader of the drainage evaluation, calculations, and design for a 3 Span 60-foot-long reinforced concrete bridge. Responsibilities included developing a HEC RAS model to complete a hydraulics & hydrology analysis of the project site. Developed the hydraulic report to fulfill LADOTD requirements for bridge replacement.
Jan. 2017 - April 2019	**Dupre and S. Gayoso Street Improvements** – Utilizing green infrastructure systems, responsible for developing new drainage conveyance and retention technologies to retain a ten-year storm event. 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 model for green infrastructure standards for improvements throughout the City of New Orleans.
Feb. 2015 - Dec. 2016	**DPS 01 Watershed Drainage Upgrades and Green Infrastructure** - 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.
10/2019 - Present	**St. Roch North Roadway Repairs** – 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.
Sept 2008 - July 2010	**New Orleans Drainage Master Plan** – As part of the City of New Orleans' effort to create a drainage master plan, develop a SWMM model of the drainage system. This model identified areas susceptible to a 10-year storm event and identified adjustments to improve the conveyance of stormwater at specific locations.

Firm employed by	Infinity Engineering Consultants, LLC.		
Name	Michael Riviere, E.I.	Years of relevant experience with this employer	11
Title	Project Civil Engineer	Years of relevant experience with other employer(s)	16
Degree(s) / Years / Specialization	Bachelor of Science / 1988 / Physics		
Active registration number / state / expiration date	E.I. 0013329 / LA / 9/30/2023		
Year registered: 1989 / Discipline	Civil Engineering		
Contract role(s) / brief description of responsibilities	**Construction Engineer**- As Infinity's Civil/Structural Construction Engineer, Mr. Riviere has experience in inspection, design, construction and repair of roads, bridges, and port facilities. Relevant Expertise Includes: bridge design, traffic flow access management, multi-model complete street design, green infrastructure, adding roadway capacity.		

10/2021 – 10/2022	**Hurricane Ida Damage Bridge Assessments** - Performed storm damage assessments of 12 off-system bridges and 18 culvert locations suspected of storm damage. Each structure was inspected and documented with respect to storm related damage. Individual reports with photographs were completed and submitted to the Parish Officials.
6/2012-8/2012	**I-10 Overpass Inspection** – Project Engineer responsible for performing the pre and post inspection of Interstate 10 overpass and ramps in the vicinity of the Pallas Hotel Implosion. Reviewed LADOTD reports, established bent numbering in the field, performed pre and post inspections of deck surfaces and structures, and documented a written and digital report.
8/2016 -6/2017	**City of New Orleans Bridge Inspection and Ratings** – Project Engineer for local bridge inspection and load rating project. Assembled the final load rating reports to include the inspection forms, photos, and calculations for Infinity's submittal. This project consisted of performing a condition inspection and evaluation of twelve (12) bridges around the City of New Orleans.
3/2005-3/2009	**Phases 1, 2 & 3 Screening of Scour Susceptible Bridges for LADOTD - Phase 1** – performed preliminary analysis on 589 bridges using the state's criteria to prioritize the structures requiring additional study in Phase 2. In Phase 2, performed site inspections on each bridge to gather data necessary for hydrologic and hydraulic analysis. Hydraulic modeling program WSPRO and HEC-18 were used to determine the anticipated scour depths and to compare with the existing bridge foundations to determine if the bridge is scour critical. Additionally, prepared reports on the findings. In Phase 3, performed structural load calculations on the critical piers to determine required pile capacity.
2/2003-10/2003	**Army Corps of Engineers Vicksburg District Bridge Replacement** – As QC/QA System Manager and Project Engineer, supervised all work on the replacement of a 360' swing span with a 306' vertical lift bridge for the Union Pacific R.R. as part of the Red River Waterway Improvement Program in Alexandria, LA.
2/2009-12/2009	**U.S. HWY 67 Relocation, Craighead and Lawrence County, Arkansas for AHTD** – Responsible for design of bridge decks, concrete approach slabs and type special approach gutters and elastomeric bearings in accordance with AASHTO specifications. Also performed structural quantity takeoffs.
2/2010-9/2011	**I-69 Connector, Lincoln, Jefferson and Cleveland Counties, Arkansas for AHTD** – Performed bridge layout, sub-structural and structural design using Merlin-Dash and RC Pier programs.

Firm employed by	Infinity Engineering Consultants, LLC.		
Name	**Kevin Hurtt, E.I.**	Years of relevant experience with this employer	2
Title	Project Civil Engineer	Years of relevant experience with other employer(s)	5
Degree(s) / Years / Specialization		Bachelor of Science / 2001 / Civil Engineering	
Active registration number / state / expiration date		E.I. 0034403 / LA / 9/30/2024	
Year registered	2020	Discipline	Civil Engineering
Contract role(s) / brief description of responsibilities			

2/2021 – 2/2023 (Est)	**Shintech Water Intake Platform and Vehicular Bridge** - Designed 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.
5/2021 - Present	**Savanne Road Off-System Bridge Replacement** – Project engineer for the replacement of the Savanne Road off-system bridge crossing over Hanson Canal. Provided structural/civil engineering designs for the bridge replacement as well as project management responsibilities during final design phase.
4/2020 – 3/2022	**Cornerstone Ship Berth and Vehicular Bridge Design Repairs -** Assisted in repair of Cornerstone's berth on the Mississippi after an alision that destroyed a caisson supporting a hose tower and damaged a vehicle access bridge. Responsibilities included designing a control room support structure cantilevered off an existing structure and a vehicle bridge to replace the damaged portion. The project required close coordination with mechanical and electrical engineering disciplines. Design was completed using Bentley's RAM Elements software, Tension Technology International's Optimoor software, and traditional hand calculations.
7/2020 - Present	**Lakeshore Group C Street Reconstruction** – Assessed 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.
12/2018 – 6/2022	**Whitney Avenue Bike Lane –** 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 designed lane striping.
11/2020 - 9/2021	**VAA Marine Dock Peer Review –** Assisted in reviewing and assessing construction drawings for a marine dock designed by VAA to be constructed on the Mississippi river. The proposed dock included barge and ship berthing and unloading equipment. Tasks included reviewing drawings for accuracy and consistency and checking barge berthing assumptions and calculations. The proposed barge beathing structure was also analyzed using Bentley's RAM Elements software.
7/2019 - Under Construction	**Plaquemines Parish Harbor of Refuge -** Assisted in design of improvement to an existing harbor facility. Tasks included design of column base plates and a structure to house oil disposal containers. The structure included a reinforced concrete slab, a spill control and secondary containment wall, and a roof. Design was completed using Bentley's RAM Elements software and traditional hand calculations.



Firm employed by	SJB Group, LLC		
Name	**Wilfred Barry, PE, PLS**	**Years of relevant experience with this employer**	47
Title	*Principal-in-Charge*	**Years of relevant experience with other employer(s)**	1
Degree(s) / Years / Specialization	Bachelor of Science / 1974 / Civil Engineering Louisiana State University		
Active registration number / state / expiration date	PE.0017452 / Louisiana / 03.31.2024		
Year registered 1978 **Discipline**	Civil Engineering		
Active registration number / state / expiration date	PLS.0004612 / Louisiana / 03.31.2024		
Year registered 1989 **Discipline**	Land Surveying		
Contract role(s) / brief description of responsibilities	**Principal-in-Charge.** Mr. Barry has over forty-five years of experience in the engineering and surveying fields and will serve as Principal-in-Charge for SJB Group on this project. Mr. Barry is actively engaged in the overall management of the firm's Surveying, SUE and Engineering services, which require daily interaction with parish and private authorities regulating land use and zoning, development activities, and property ownership and transfer. **Mr. Barry fulfills MPR 4 for this contract.**		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
11/21 – 03/22	**LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10) – City-Parish Project No. 20-2057** *Principal-in-Charge / SUE Engineer.* SJB Group performed ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The accurate location of these utilities was critical to alleviate disruptions to utility services and conflicts and delays to the construction of the project in this heavily congested area.
10/21 – 03/22	**Purpera Avenue Drainage Improvements** *Principal-in-Charge / SUE Engineer.* SJB Group provided a topographic survey and Subsurface Utility Engineering designating (Quality Level B) and locating services (Quality level A) in accordance with ASCE 38-02 for all utilities owned by the City of Gonzales. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive topographic survey and Quality Level B map with Quality Level A information throughout the project corridor. The accurate location of these utilities was critical to allow for the proper design of the drainage system.
05/21 – 10/21	**MovEBR Jefferson at Corporate Intersection – City-Parish Project No. 20-CP-HC-0034** *Principal-in-Charge / SUE Engineer.* SJB Group performed a topographic survey, property survey, Right- of-Way maps, and Quality Level C and Quality Level B SUE services for all utilities of the Jefferson Hwy and Bluebonnet intersection as a sub-consultant to Buchart Horn. Prior to Quality Level B and C services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The accurate location of these utilities is of the utmost importance for successful design and construction of this roadway project.
04/21 – 07/21	**Hooper Road Widening (LA 3034 – LA 37) - LA DOTD Project No. H.009300.5**

	Principal-in-Charge. SJB Group completed a topographic survey and subsurface utility engineering project for a one mile stretch of LA Hwy 408 in East Baton Rouge Parish, LA. The topographic survey was an update to a survey done previously by SJB and included locating and verifying all changes to the one mile site since the previous survey was completed in 2014. An updated drainage map was also completed for this project. ASCE 38-02 Quality Level B was completed for the entire project corridor. Prior to Quality Level B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.
03/21 – 05/22	**MovEBR Nicholson Segment 2 – City-Parish Project No. 20-CP-HC-0032** *Principal-in-Charge.* SJB Group was tasked to provide topographic survey, scanning, property and right-of-way survey, and ASCE 38-02 Quality Level B and C subsurface utility engineering by City-Parish for the MovEBR project on Nicholson Rd. in East Baton Rouge Parish, LA. This effort required detailed record research, field investigations and data management. The accurate location of these utilities is critical for the ultimate design and construction of the project.
11/17 – 08/18	**LA 23: Belle Chasse Bridge & Tunnel HBI – LA DOTD Project No. H.004791.5** *Principal-in-Charge / SUE Engineer.* SJB Group performed SUE services for the design of a new bridge and tunnel crossing the Intracoastal Canal along LA 23 in Plaquemines Parish. This project required ASCE 38-02 Quality Level A and B services. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. After compiling the Quality Level B map, the Quality Level A scope of the project was started in an effort to establish exact location and elevations on critical utility systems found in the Quality Level B mapping. The overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor.
10/17 – 02/18	**Ford Street Extension – LA DOTD Project No. H.011310** *Principal-in-Charge / SUE Engineer.* SJB Group performed subsurface utility engineering for a topographic survey to extend Ford Street from Plank Road to Howell Blvd. This project required ASCE 38-02 Quality Level B services throughout the project limits and ASCE 38-02 Quality Level A services for all utility lines greater than 4” in diameter. SJB designated 13,000 linear feet of subsurface utilities and performed 9 test holes. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. The overall efforts established an extensive Quality Level B map with Quality Level A information throughout the project corridor.
04/15 – 09/15	**Central SSO-PS 42 Force Main Construction – Project No. 10-FM-MS-0036A** *Principal-in-Charge / SUE Engineer.* SJB Group performed topographic surveying, property surveying, right-of-way maps, and SUE tasks on the Central Consolidation PS 42 Force Main Project for East Baton Rouge Parish. SJB provided ASCE 38-02 Quality Level A services. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.

Firm employed by	SJB Group, LLC		
Name	Matthew Estopinal, PE, PLS	**Years of relevant experience with this employer**	1.5
Title	*Chief Operating Officer / Survey Department Manager*	**Years of relevant experience with other employer(s)**	15

Degree(s) / Years / Specialization			Bachelor of Science / 2009 / Civil Engineering Louisiana State University
Active registration number / state / expiration date			PE.0039151 / Louisiana / 03.31.2023
Year registered	2014	**Discipline**	Civil Engineering
Active registration number / state / expiration date			PLS.0004955 / Louisiana / 03.31.2023
Year registered	2006	**Discipline**	Land Surveying
Contract role(s) / brief description of responsibilities			**Survey Project Manager.** Mr. Estopinal has more than fifteen years of experience as a Professional Land Surveyor in the state of Louisiana on transportation and community development related projects. His work experience includes ALTA surveys, boundary surveys, topographic surveys, and Right-of-Way maps for state, municipal, and private clients. His duties include coordination of staff, responsible charge of all plan production, all field inspections and the preparation of detailed construction plans on all types of work. He is thoroughly familiar with City-Parish and LA DOTD procedures, manuals, and software programs with respect to all requirements. **Mr. Estopinal fulfills MPR 4 for this contract.**

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
03/22 – Ongoing	**LA 385: Ryan Street Intersection Improvements – LA DOTD Project No. H.012685.5** *Project Manager.* A topographic survey was required in Calcasieu Parish, Louisiana near the intersection of I-210 and LA 385 (Ryan Street) and near the campus of McNeese State University. The survey included all utilities with depths and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance is approximately 2.67 miles.
02/22 – 06/22	**LA 3021: Dual Turn Lanes @ LA 38 – LA DOTD Project No. H.014752.5** *Project Manager / QA/QC.* LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The survey was located at the intersection of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the survey limits. The project had a total linear distance of approximately 3,600 feet.
11/21 – 12/21	**Conway Development Topographic Survey for Novus Reb Engineering** *Project Manager.* This project consisted of performing a topographic survey of a tract in the Conway development and is limited to running cross-sections through the topo limits. Shots were taken with the use of a robotic total station and 360d prism mounted on a closed cab UTV. Horizontal and vertical control was established at the site with Leica SmartNET RTN.
07/21 – 02/22	**UP RR Corridor (Plaquemine) – LA DOTD Project No. H.012851** *Project Manager / QA/QC.* SJB Group performed a complete topographic survey including all utilities, depths and drainage, along with finish floor elevations of all buildings that fell within the survey limits at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave.
03/21 – 05/22	**MovEBR Nicholson Segment 2 – City-Parish Project No. 20-CP-HC-0032**

	Survey Project Manager. A topographic survey with scanning, property and right-of-way survey, and subsurface utility engineering were completed by SJB Group for this project.
07/20 - Ongoing	**Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597** *Project Manager.* Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61, and 62 as a Sub-consultant. Each site required a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross sections of all drainage ways.
03/20 – 12/21	**St. Francisville Sewer Treatment Plant, Pump Stations, and Force Mains** *Project Manager.* The project includes a topographic survey and boundary and servitude maps for the force main route (approximately 8,000 linear feet), pump station, and treatment plant site.
01/18 - 12/18	**I-49 Lake Charles – LA DOTD Project No. H.004273.5** *Liaison/Coordinator.* This project required topographic and property/Right-of-Way surveying maps for the proposed I-49 improvements in Lafayette. While working for Stantec, Mr. Estopinal served as in-house coordinator and liaison between Stantec and sub-contractor firms performing the surveying work on the project.
05/16 – 12/19	**Water Campus in Downtown Baton Rouge** *Project Manager.* A topographic survey and drainage design were completed for the Water Campus location in downtown Baton Rouge. Project included rehabbing five existing roads (Arches St, Aztec St, Gila St, Oklahoma St and Terrace Ave) and addition of the new Water St. Project progressed from survey to design to construction stakeout and construction administration.
09/95 – Ongoing	**Various Community Development Projects in Louisiana** *Surveyor of Record/Project Manager/Party Chief.* These projects included the topographic & boundary surveys of parent tracts, resubdivisions and Final Plat mapping dedicating new lots of records and Right-of-Ways for development projects, located primarily in southeastern parts of the State. Additionally work included the resurvey, resubdivision or combination of lots for non-development properties or commercial outparcels.

Firm employed by	SJB Group, LLC		
Name	**Elvis Nguyen**	**Years of relevant experience with this employer**	7
Title	*Field Crew Coordinator*	**Years of relevant experience with other employer(s)**	6

Degree(s) / Years / Specialization	N/A
Active registration number / state / expiration date	N/A
Year registered N/A **Discipline**	N/A
Contract role(s) / brief description of responsibilities	**Senior Survey Technician.** Mr. Nguyen has more than thirteen years of experience in the land surveying field. He has lead field crews in performing boundary, topographic, right-of-way, and construction stakeout surveys throughout the State of Louisiana and is capable of leading a crew in remote areas. He is familiar with topographic and right-of-way map requirements of the EBR Department of Public Works and LA DOTD. Mr. Nguyen was recently promoted within SJB Group to Field Crew Coordinator and works as a Senior Technician.

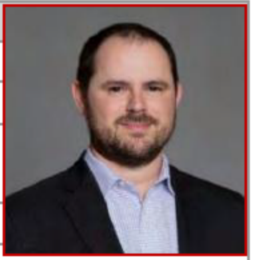
Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
03/22 – Ongoing	**LA 385: Ryan Street Intersection Improvements - LA DOTD Project No. H.012685.5** *Party Chief/Senior Technician.* A Topographic survey was required in Calcasieu Parish, LA near the intersection of I-210 and LA 385 (Ryan St) and near the campus of McNeese State University. The survey includes all utilities and all drainage, along with finish floor elevations of all buildings that fell within the survey limits. The total linear distance was approximately 2.67 miles.
02/22 – 06/22	**LA 3021: Dual Turn Lanes @ LA 39 - LA DOTD Project No. H.014752.5** *Party Chief.* LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The survey was located at the intersection of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the survey limits. The project had a total linear distance of approximately 3,600 feet.
08/21 – 11/21	**LA 109: Gully Bridge - LADOTD Project No. H.012041.5** *Party Chief.* A topographic survey was performed including all utilities with depths and drainage, and floor elevations of all buildings that fall within the survey limits in Calcasieu Parish near the intersection of I-12 and LA 109.
07/21 – 02/22	**UP RR Corridor (Plaquemine) – LA DOTD Project No. H.012851** *Party Chief.* SJB Group performed a topographic survey with all utilities and depths at the intersection of LA 1 and Bayou Rd., and the intersection of Belleview Dr. and Railroad Ave.
07/20 - Ongoing	**Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597** *Senior Technician.* Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61, and 62 as a Sub-consultant. Each site required a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross sections of all drainage ways.
01/19 – 05/19	**LA 182 Barrow Street Bridge – LADOTD Project No. H.012735.5** *Party Chief.* SJB Group was contracted to provide a topographic survey and subsurface utility engineering Quality Level B for design. The purpose of this project was to replace a bridge structure located at the intersection of Park Avenue and Barrow street in downtown Houma.

Firm employed by	SJB Group, LLC				
Name	James Duke Koontz			**Years of experience with this firm/employer**	1
Title	*Survey Party Chief*			**Years of experience with other firm(s)/employer(s)**	34
Degree(s) / Years / Specialization			N/A		
Active registration number / state / expiration date			N/A		
Year registered	N/A	**Discipline**	N/A		
Contract role(s) / brief description of responsibilities			**Survey Party Chief.** Mr. Koontz has over thirty years of experience as a survey party chief, field coordinator, and survey technician. Accuracy and completeness of data is Mr. Koontz's utmost priority. He has extensive experience throughout the State of Louisiana performing boundary, construction stakeout, as-built, ALTA, topographic, hydrographic and right-of-way surveys using both conventional and GPS instruments.		

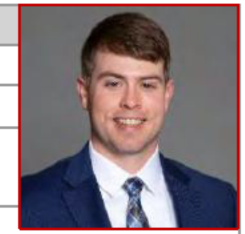
Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
09/22 – Ongoing	**US 90: Tulane Avenue – Danzinger Bridge – LA DOTD Project No. H.014886.5 (Prime: Stanley Consulting)** *Party Chief.* SJB Group is providing the topographic survey and LiDAR Scan as a sub-consultant to Stanley Consulting for the LA DOTD Tulane Avenue to Danzinger Bridge project along US 90.
09/22 - Ongoing	**LA 73 at Cornerview Roundabout – Parish of Ascension Project No. MA-22-04** *Party Chief.* SJB Group is providing the topographic survey, road design, drainage design, right-of-way-maps, and SUE Quality Level C services for the placement of a roundabout at LA 73 and Cornerview Road in Ascension Parish.
07/22 – Ongoing	**S. Lewis St Widening - LA DOTD Project No. H.013522 (Prime: Meyers Engineers, Ltd.)** *Party Chief.* This project consists of providing a topographic survey for the S. Lewis Street widening project in accordance with DOTD procedures. The topographic survey shall extend past the apparent right-of-way to accommodate the road widening.
06/22 – Ongoing	**US 167 - Camellia Blvd-Churchill Dr - LA DOTD Project No. H.013716 (Prime: Digital Engineering & Imaging, Inc.)** *Party Chief.* This project includes thorough topographic survey of the area identifying trees, bushes/shrubs, utility poles, direction of overhead wires, type of pavement surfaces, water meters, sewer cleanouts, fences, water valves, manholes, drainage structures, gas meters, traffic signals, traffic signs, bus shelters, fire hydrants, type of drainage pipes, driveway width, etc. as well as perform Right-of-Way survey for the project limits.
02/22 – 06/22	**LA 3021: Dual Turn Lanes @ LA 38 – LA DOTD Project No. H.014752.5** *Party Chief.* LA DOTD tasked SJB Group to perform a topographic survey in Orleans Parish, Louisiana. The survey was located at the intersection of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the survey limits. The project had a total linear distance of approximately 3,600 feet.
07/20 - Ongoing	**Rural Bridge Replacement Initiative - LA DOTD Contract No. 44-17597** *Party Chief.* Topographic surveys, right-of-way mapping, and road design performed for the proposed 33 bridge replacements for LA DOTD Districts 03, 07, 61, and 62 as a Sub-consultant. Each site required a complete topographic survey of the project limits, as well as a complete inventory for each drainage structure (type, size, length, and invert), and cross sections of all drainage ways.

Firm employed by	SJB Group, LLC		
Name	**Karen Kennedy, PE**	**Years of relevant experience with this employer**	1.5
Title	*SUE and Engineering Department Manager*	**Years of relevant experience with other employer(s)**	26
Degree(s) / Years / Specialization	Bachelor of Science / 1995 / Civil Engineering Louisiana State University		
Active registration number / state / expiration date	PE.0028547 / Louisiana / 09.30.2023		
Year registered	1999	**Discipline**	Civil Engineering
Contract role(s) / brief description of responsibilities	**SUE and Engineering Project Manager.** Ms. Kennedy has twenty-seven years of experience as a licensed civil engineer working in both the municipal and private sectors. Ms. Kennedy has completed infrastructure improvement, site development and subsurface utility engineering (SUE) projects for LA DOTD, MovEBR, and other local entities and private developers. She has a thorough knowledge of the revised Subsurface Utility Engineering CI/ASCE Standard 38-22 procedures.		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
08/22 - Ongoing	**LA 485 Bridges Near Allen Construction Inspection – LA DOTD Task Order No. H.001820.5-3** *SUE Project Manager.* SJB Group will provide construction coordination and monitoring for the relocation of three water mains in conflict with the project alignments at three bridge locations.
04/22 - Ongoing	**LA 30: EBR PL- I-10 - LA DOTD Project No. H.013797** *SUE Department Manager/Engineer of Record.* SJB Group performed ASCE 38-02 Quality Level D services as a sub-consultant to Michael Baker, Inc. as an addition to the Stage 0 Feasibility Study for the Corridor. There are many industrial pipelines within this corridor making the correct identification of the utilities and owners within this corridor imperative for the continuance of the Stages of this project. In addition to the Quality Level D records, SJB performed field investigations to determine the order of the pipelines within the project limits.
03/22 – 08/22	**D Vickers Hall Renovations and Addition** *SUE Engineer of Record.* SJB Group performed ASCE 38-02 Quality Level A and B SUE services for all utilities as a sub-consultant to Holly & Smith Architects for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities are required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path. Anticipated utilities were water, gas, telephone, cable, and fiber optic. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE design.
01/22 – 06/22	**Dawson Creek at Hundred Oaks and Broussard Bridges – City Parish Project No. 21-DR-LA-0095** *SUE Engineer of Record.* SJB Group performed subsurface utility engineering and utility surveying as a sub-consultant for the proposed Dawson Creek at Hundred Oaks and Broussard Bridges. This project required ASCE 38-02 Quality Level A and B SUE services for all utilities within the project limits. The accurate location of these facilities was critical for the ultimate design of the bridge infrastructure included in this project.
10/21 – 04/22	**I-110: 1-110 North Street to Plank Road – LA DOTD Project No. H.010319.5** *SUE Engineer of Record.* SJB Group performed ASCE 38-02 Quality Level C and D SUE services for all utilities on this LA DOTD project in East Baton Rouge Parish. Quality Level C and D services requires extensive records research to aid in the subsequent SUE design.

Firm employed by	SJB Group, LLC			
Name	**Kyle Haigler, PE**	**Years of relevant experience with this employer**	1	
Title	*Engineering Project Manager*	**Years of relevant experience with other employer(s)**	6	
Degree(s) / Years / Specialization	Bachelor of Science / 2016 / Civil Engineering Louisiana State University			
Active registration number / state / expiration date	PE.0044652 / Louisiana / 09.30.2024			
Year registered 2020 **Discipline**	Civil Engineering			
Contract role(s) / brief description of responsibilities	**Drainage Engineer.** Mr. Haigler is a registered professional engineer in the state of Louisiana and offers seven years of experience working in the civil development industry. He specializes in drainage calculation and modeling, and focuses on commercial and residential development planning for SJB Group. His experience includes preliminary site layouts and design, residential and commercial construction plans, preparation of drainage impact studies, and subsurface/open ditch drainage systems.			

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
03/22 – Ongoing	**Tiger Bayou RV Park** *Drainage Engineer.* SJB group first developed a Preliminary Site Plan that satisfied the needs and requirements of both the client and West Baton Rouge Parish. Next, Construction Documents and a Drainage Impact Study were developed that met the requirements of the parish. Construction plans included geometric layout, drainage layout, utility layout, erosion control, and standard details.
03/22 – 06/22	**Harvest View Subdivision for Pointe Prospect** *Drainage Engineer.* SJB Group provided drainage analysis for the as-built detention design of a single family residential development. The drainage analysis was requested by Pointe Coupee Parish to ensure the as-built detention system reduced the runoff to a pre-developed rate as required by Pointe Coupee Parish.
03/22 – Ongoing	**Benny's – Zachary, LA Location Infrastructure Plans** *Project Engineer.* SJB Group is providing a full commercial subdivision site design and construction plans for the proposed Benny's Carwash property in Zachary, LA. Design includes drainage, grading, utility, and geometrics for the property to provide pad ready property for future commercial developments. SJB Group also managed the Rezoning and Site Plan Approval with the City of Zachary. This process included a full Drainage Impact Study of the development and a formal Site Plan Package.
02/22 – 06/22	**LA 3021: Dual Turn Lanes @ LA 38 – LA DOTD Project No. H.014752.5** *Drainage Engineer.* LA DOTD tasked SJB Group to perform a topographic survey and drainage map in Orleans Parish, Louisiana. The survey was located at the intersection of LA 39 (N. Claiborne Ave.) and LA 46 (Elysian Fields Ave.), and included all utilities with depths, drainage, and finish floor elevations of all buildings within the survey limits. The project had a total linear distance of approx.. 3,600 feet.
08/21 – 03/22	**UPRR Corridor (Plaquemine) – LADOTD Project No. H.012851** *Drainage Engineer.* SJB Group performed ASCE 38-02 Quality Level B, C, and D subsurface utility engineering, utility surveying, and a drainage map for the project located in Iberville Parish along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road and the intersection of Belleview Drive and Railroad Avenue.



Firm employed by	SJB Group, LLC		
Name	Austin LaCombe, EI	**Years of relevant experience with this employer**	1
Title	*Assistant SUE Department Manager*	**Years of relevant experience with other employer(s)**	7
Degree(s) / Years / Specialization	Bachelor of Science / 2017 / Civil Engineering Louisiana State University		
Active registration number / state / expiration date	EI.0033659 / Louisiana / 09.30.2024		
Year registered 2018 **Discipline**	Civil Engineering		
Contract role(s) / brief description of responsibilities	**SUE Project Engineer.** Mr. LaCombe manages and assists with managing subsurface utility engineering (SUE) projects for SJB Group. He is tasked with managing day-to-day operations of SUE field crews including project research, preparation of field packages, supporting field efforts, organization and processing of field data, client coordination, and preparation/QA/QC of project deliverables. Mr. LaCombe has significant experience working on a variety of projects with diverse timelines. He is also responsible for ensuring that all safety guidelines and policies are followed by SUE personnel.		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
03/22 – 08/22	**D Vickers Hall Renovations and Addition** *SUE Engineer.* SJB Group performed ASCE 38-02 Quality Level A and B SUE services for all utilities as a sub-consultant to Holly & Smith Architects for the proposed D. Vickers Hall Expansion at Southeastern Louisiana University. Locations of the existing utilities were required to determine conflicts with the proposed expansion of D. Vickers Hall, new parking lot, and pedestrian path. Prior to Quality Level A and B services, extensive Quality Level D records research was completed to aid in the subsequent SUE investigation. Utilities located included water, gas, telephone, cable, and fiber optic.
11/21 – 03/22	**LA 30 Roundabouts Subsurface Utility Investigation (Tanger Mall and I-10) – Project No. 20-2057** *SUE Engineer.* SJB Group performed ASCE 38-02 Quality Level A SUE and utility surveying to identify utility conflicts for all utilities owned by the City of Gonzales and the proposed LA 30 Roundabouts at Tanger Mall and I-10 in Ascension Parish. Prior to Quality Level A services, extensive Quality Level D records research was completed to aid in the subsequent SUE design. This effort required detailed record research, field investigations and data management.
10/21 – 02/22	**I-10: LA 73 - LA30 – LA DOTD Project No. H.009266.5** *Project Manager.* LA DOTD is preparing plans to widen I-10 from 4 to 6 lanes from LA 73 – to LA 30. This project required Quality Level B SUE services at the LA73/I-10 interchange as well as Quality Level D services for the remainder of the project limits. Mr. LaCombe assisted with utility records research, as well as managed SUE field efforts throughout the duration of the project.
01/18 – 05/20	**I-10: LA 415 to Essen Lane on I-10 and I-12 – LA DOTD Project No. H.004100.5** *Project Manager / QA/QC.* Mr. LaCombe assisted in the collection of utility owner record information and other project research used in the development of the comprehensive map, used by the design team to avoid critical utilities in preliminary design. Mr. LaCombe also coordinated SUE field efforts for utility designation and with project team members for utility data collection and accurate depiction of phase changes, as well as the preparation and QA/QC of project deliverables. Records research (Quality Level D) and designating (Quality Level B) SUE efforts throughout the 10-mile project corridor were key in providing complete utility information.

Firm employed by	SJB Group, LLC		
Name	Kenneth Gaines	**Years of relevant experience with this employer**	<1
Title	*SUE Technician III*	**Years of relevant experience with other employer(s)**	7
Degree(s) / Years / Specialization	N/A		
Active registration number / state / expiration date	N/A		
Year registered	N/A	**Discipline**	N/A
Contract role(s) / brief description of responsibilities	**SUE Technician.** Mr. Gaines has over seven years of experience as a subsurface utility locator, on a variety of projects ranging from small rural areas to large utility congested urban cities across the United States. Mr. Gaines began his utility career as a field associate and has elevated himself to a senior field position due to his grasp of investigative best practices, knowledge of utility locating equipment, and attention to detail. In addition to his locating experience, Mr. Gaines is responsible for the supervision of field crews, conducting utility field meetings, performing intermittent QA/QC measures in field investigations, and determining the need for additional utility investigations for projects.		

Experience dates (mm/yy–mm/yy)	**Experience and qualifications relevant to the proposed contract; *i.e.*, "designed drainage", "designed girders", "designed intersection", etc. Experience dates should cover the time specified in the applicable MPR(s).**
10/22 - Ongoing	**MOVEBR Airline Highway, North (Florida Blvd to Interstate I-110) – City-Parish Project No. 20-CP-US-0099** *SUE Technician.* SJB Group will complete ASCE 38-02 Quality Level D services for the project as a sub-consultant to Huval & Associates. There is a heavy congestion of utilities within these project limits and identification of utility owners and approximate locations is critical to the preliminary design of the project.
08/22 - 08/22	**Hawthorne Hollow Bridge in Madisonville, LA** *SUE Technician.* SJB Group provided ASCE 38-02 Quality Level A subsurface utility locating and hydro- probing for this project.
08/22 - 08/22	**Mandeville City Hall Lot 1A, 2A, and 3A** *SUE Technician.* SJB Group provided ASCE 38-02 Quality Level B designating services as a sub-consultant to Kelly McHugh and Associates, Inc.
08/22 - 08/22	**Siegen Lane School for Duplantis Design Group (Project No. 22-1014)** *SUE Technician.* SJB Group provided ASCE 38-02 Quality Level A subsurface utility locating for this project as a sub-consultant to Duplantis Design Group.
08/22 - Ongoing	**Gillis Long Center in Carville, LA** *SUE Technician.* SJB Group is providing ASCE 38-02 Quality Level B utility marking services for approximately 43,000 feet of underground water lines and various other underground utility lines.
05/22 - Ongoing	**LA 30: EBR PL 1-10 (Part 1) – LA DOTD Project No. H.013797 (Prime: Michael Baker, Inc.)** *SUE Technician.* SJB Group is providing ASCE 38-02 Quality Level D, GIS, and LiDAR review services as a sub-consultant to Michael Baker, Inc. for state project H.013797.
05/22 - Ongoing	**MovEBR SUE for Airline Highway South – City-Parish Project No. 20-CP-US-0100** *SUE Technician.* SJB Group is providing ASCE 38-02 Quality Level D utility locating services services as a sub-consultant to Stantec Consulting Services Inc. on Airline Highway South from Parish Line to Bluebonnet Boulevard.

Firm employed by	ELOS Environmental, LLC	Meets MPR No. 5

Name	Lucas Watkins	Years of relevant experience with this employer	16
Title	Principal / Environmental Scientist	Years of relevant experience with other employer(s)	6

Degree(s) / Years / Specialization			BS/ 2000 / Forest Management MS / 2005 / Biological Sciences
Active registration number / state / expiration date			LDAF Certified Arborist, No. 19-1827
Year registered	2010	Discipline	Arborist
Contract role(s) / brief description of responsibilities			Mr. Watkins will serve as the principal (MPR #1), providing leadership, direction, senior-level oversight, and quality control for all aspects of the project.

Experience dates	Experience and qualifications relevant to the proposed contract
Lucas Watkins is the President and founding Principal of ELOS. His experience includes environmental regulatory compliance and project management. This includes the management of large-scale, multi-faceted projects, such as disaster recovery debris removal efforts, wetland restoration implementation, government grant management, and complex construction projects. His key strengths include wetland delineations, wetland permitting, wetland restoration, NEPA compliance, ASTM Phase I ESAs, stormwater management, FERC regulatory overview and guidance, endangered species surveys, and timber and forest management. He has substantial experience in permitting municipal infrastructure, levees, borrow pits, oil and gas exploration, productions, and transmission activities as well as working on other public and private sector environmental-related issues. Mr. Watkins works to ensure that ELOS acquires the best tools and techniques to guarantee efficient and cost-effective delivery of services to clients.	
09/20 – Ongoing	**S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT EA (LADOTD, N-Y ASSOCIATES)** Principal. Provided senior-level oversight and quality control for final reports. This project included a wetland delineation, section 404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.
08/20 – Ongoing	**S.P. H.013958, RURAL BRIDGE INITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 03/22	**S.P. H.013959, RURAL BRIDGE INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER RELIEF (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	**S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.

08/20 – 09/21	**S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – 02/22	**S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – Ongoing	**S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	**S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – Ongoing	**S.P. H.013984, RURAL BRIDGE INITIATIVE – LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	**S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 09/21	**S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/17 – 07/18	**I-10 HIGHLAND LA 73 DESIGN-BUILD - EAST BATON ROUGE PARISH, LA TO ASCENSION PARISH, LA (LADOTD, SIGMA CONSULTING GROUP, INC.)** Project Manager. Environmental compliance manager responsible for permitting and construction monitoring for the fast-track interstate widening project from Highland Road in Baton Rouge to LA 73 in Prairieville.
03/14 – 06/17	**LOUISIANA-3234 EXTENSION - TANGIPAHOA PARISH, LOUISIANA (LADOTD, N-Y ASSOCIATES INC.)** Project Manager. Provided environmental services for LA-3234 Extension from LA-1065 to Hammond Airport. These services included preparing estimates of environmental mitigation costs, and any unavoidable environmental impacts, such as wetland mitigation, hazardous waste mitigation, or cultural resource mitigation.

Firm employed by	ELOS Environmental, LLC		Meets MPR No. 5
Name	Jerry V. Graves, Ph.D.	Years of relevant experience with this employer	<1
Title	Vice President of Coastal Resilience	Years of relevant experience with other employer(s)	19

Degree(s) / Years / Specialization	PhD. / 2012 / Urban Studies MPA / 2007 / Hazard Policy BA / 2003 / Political Science
Active registration number / state / expiration date	N/A
Year registered: N/A / Discipline	N/A
Contract role(s) / brief description of responsibilities	Mr. Graves will serve as a senior environmental scientist and project management planner.

Experience dates	Experience and qualifications relevant to the proposed contract
Jerry V. Graves specializes in project management, urban and environmental planning, and emergency management. Dr. Graves is an experienced hazard mitigation, resilience, and coastal restoration planner. He is also an experienced administrator who previously worked in the public sector for over a decade. Dr. Graves currently serves as the Vice President of Coastal Resilience at ELOS, where he provides a wide range of project management and consulting services to clients throughout the region.	
09/22 – Ongoing	**LOUISIANA DEPARTMENT OF WILDLIFE AND FISHERIES CONSULTING SERVICES – BATON ROUGE, LA.** Serves as project manager for an agency-wide project funding strategy effort and writes grants for a variety of federal programs.
01/16 – Ongoing	**ST. BERNARD PARISH COASTAL PROGRAM CONSULTING – ST. BERNARD PARISH, LA.** Serves as project manager for Graves Public Services (2016-2020), Arcadis (2020-2022), and ELOS (2022-currently), while supporting all coastal restoration planning, funding, and implementation efforts in St. Bernard Parish.
08/22 – Ongoing	**JEFFERSON PARISH COASTAL PROGRAM CONSULTING – JEFFERSON PARISH, LA.** Serves as project manager in support of the parish's effort to develop a management and mitigation strategy for the sustainable redevelopment of Grand Isle, LA.
01/20 – 07/22	**CPRA ENVIRONMENTAL CONSULTING SERVICES – BATON ROUGE, LA.** Served as project manager for Arcadis during the CPRA 2023 State Master Plan process and oversaw the development and implementation of the agency's construction cost estimation tool and project database.
01/20 – 07/22	**LOUISIANA WATERSHED INITIATIVE (LWI) PROGRAM CONSULTING – BATON ROUGE, LA.** Served as project manager for Arcadis (sub-consultant to CSRS) during the development of the LWI Regional Planning Framework and Nonstructural Mitigation Program Alignment Guidance for State Agencies.
01/21 – 07/22	**FLORIDA DEPARTMENT OF ECONOMIC OPPORTUNITY (DEO) CDBG-MIT PROGRAM CONSULTING – TALLAHASSEE, FL.** Served as project manager for Arcadis (sub-consultant to CRI) during the development and implementation of DEO's CDBG-MIT program.

Firm employed by	ELOS Environmental, LLC			Meets MPR No. 5
Name	Brian Fortson	Years of relevant experience with this employer	7	
Title	Senior Ecologist	Years of relevant experience with other employer(s)	30	

Degree(s) / Years / Specialization	Juris Doctorate/2006/Civil Cum Laude BS/1995/Wetland Ecology
Active registration number / state / expiration date	N/A
Year registered: N/A / Discipline	N/A
Contract role(s) / brief description of responsibilities	Mr. Fortson will serve as the Senior Environmental Scientist and provide regulatory agency guidance. Brian's extensive knowledge of state and federal environmental regulations enables him to navigate the permitting process.

Experience dates	Experience and qualifications relevant to the proposed contract
Mr. Fortson has 30+ years of environmental experience with permitting various complex developmental infrastructure projects. Mr. Fortson serves as a Senior Environmental Scientist at ELOS, working with regulatory agencies such as USDA, NRCS, FEMA, USACE, DNR, and LDEQ. Brian's knowledge of state and federal environmental regulations and years of experience enables him to navigate the permitting process. Mr. Fortson also provides senior guidance to the environmental scientists at ELOS on vegetation identification and threatened and endangered species surveys.	
01/15 – 01/16	**STATE PROJECT NO. STP-445-1(002), US 51 BUSINESS (LA 22 TO I-12) (LADOTD, N-Y ASSOCIATES)** Senior Environmental Scientist. Mr. Fortson supervised and participated in field investigations to support wetland delineations and findings reports, biological surveys, and threatened and endangered species reports. He also provided coordination among natural resource agencies, consultation with landowners, and outreach to public groups.
08/17 – 07/18	**S.P. H.972275, LAND USE AND TRANSPORTATION STUDY HARRISON AVE EXT (LADOTD, PROFESSIONAL ENGINEERING CONSULTANTS CORP.)** Senior Environmental Scientist. Assisted in the preparation of a DOTD Stage 0 Environmental Checklist for the extension of Harrison Avenue in Abita Springs from LA 59 to LA 36, a distance of 1.7 miles. Desktop and field data were collected to identify relevant resources in the project area. He assisted in the identification of land use, wetlands, community facilities, recreational assets, historic and cultural sites, and hazardous waste sites.
09/17 – 02/21	**S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT ENVIRONMENTAL ASSESSMENT (LADOTD, N-Y ASSOCIATES)** Senior Environmental Scientist. Responsible for the supervision of fieldwork, wetland delineations, biological surveys, wetland value assessments, and Section 404 application for three alternative alignments being studied for the extension of E. University Avenue from LA 1065 to the Hammond Airport.
05/21 – 03/22	**ST. TAMMANY TRACE BRIDGE REPLACEMENT** Senior Environmental Scientist. Served as a Project Manager overseeing the permitting process, coordinating with regulatory agencies, and providing senior-level insight for the replacement of the Trace Bridge over Little Bayou Castine on Tammany Trace.

Firm employed by	ELOS Environmental, LLC			Meets MPR No. 2
Name	Cory Ricks	Years of relevant experience with this employer	6	
Title	Project Manager / Environmental Scientist	Years of relevant experience with other employer(s)	2	

Degree(s) / Years / Specialization			BS / 2015 / Biology
Active registration number / state / expiration date			R-I-99273-17-01464
Year registered	2017	Discipline	proActive Safety Services Renovator Initial
Contract role(s) / brief description of responsibilities			Cory will serve as the Project Manager, providing his expertise for wetland delineations and jurisdictional determinations, as well as managing the collection of field data and the development of reports.

Experience dates	Experience and qualifications relevant to the proposed contract
Mr. Ricks serves as ELOS's wetland delineation specialist. Mr. Ricks has led wetland delineation efforts for multiple projects for local entities, mitigation banks, and infrastructure developments. He has provided assistance with NEPA documentation, permitting, GIS mapping, and cultural resources for a variety of projects. He currently manages a team of environmental scientists, field biologists, and data processors who all assist on a variety of environmental and disaster recovery projects.	
08/20 – Ongoing	**S.P. H.013958, RURAL BRIDGE INITIATIVE – CARPENTERS BR RD OVER WHISKEY CHITTO CR (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 03/22	**S.P. H.013959, RURAL BRIDGE INITIATIVE – REEDS BRIDGE ROAD OVER CALCASIEU RIVER RELIEF (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	**S.P. H.013963, RURAL BRIDGE INITIATIVE – UNNAMED WATERWAY ROUTE (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 09/21	**S.P. H.013966, RURAL BRIDGE INITIATIVE – LA 321: CREEK BRIDGES (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 09/21	**S.P. H.013968, RURAL BRIDGE INITIATIVE – LA 404: BAYOU AND CANAL BRIDGES (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – 02/22	**S.P. H.013970, RURAL BRIDGE INITIATIVE – LA 717: KLONDIKE CANAL AND BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.)** Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.

08/20 – Ongoing	S.P. H.013976, RURAL BRIDGE INITIATIVE – LA 376: BAYOU BRIDGES (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	S.P. H.013982, RURAL BRIDGE INITIATIVE – LA 10 SPUR, LA 1042: BRIDGES NEAR GREENSBURG (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation and permit applications.
08/20 – Ongoing	S.P. H.013984, RURAL BRIDGE INITIATIVE – LA-0016/WRIGHT'S CREEK, HOLDEN'S CREEK, UNNAMED DRAIN, TALLEY'S CREEK, BERRY'S CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 01/22	S.P. H.013996, RURAL BRIDGE INITIATIVE – LA 1074, LA 1075: BRIDGES NEAR RIO (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 09/21	S.P. H.013989, RURAL BRIDGE INITIATIVE – GRAYBOW ROAD/PALMETTO CREEK (LADOTD, BURK-KLEINPETER, INC.) Project Manager. This bridge replacement project included a wetland delineation, permit applications, and a threatened and endangered species survey.
07/16 – Ongoing	S.P. H.008915.2, LA 3234 EXTENSION TO HAMMOND AIRPORT EA (LADOTD, N-Y ASSOCIATES) Environmental Scientist. Performed the wetland delineation for all three routes and provided a report of the findings. Provided assistance for GIS mapping of the Wetlands Findings Report, Phase 1 Environmental Assessment Survey, and the Biological Assessment Survey. Provided a report of the threatened and endangered species known in the project area. Lead efforts on providing stream and waterbody data for each report. This project included a wetland delineation, section 404 and 401 permit applications, cultural resources site visit and report, and a threatened and endangered species survey.
10/17 – Ongoing	MOVE ASCENSION TRANSPORTATION MASTER PLAN DEVELOPMENT AND IMPLEMENTATION Environmental Scientist. Conducted wetland delineations and managed field crews conducting delineations.

Firm employed by	ELOS Environmental, LLC				
Name	Basile Dardar			Years of relevant experience with this employer	1
Title	Biologist			Years of relevant experience with other employer(s)	7
Degree(s) / Years / Specialization			BS/2014/Biological Sciences		
Active registration number / state / expiration date			NA		
Year registered	NA	Discipline	NA		
Contract role(s) / brief description of responsibilities			Mr. Dardar will serve as the Environmental Biologist, providing his expertise for inspections, permitting, environmental surveying, developing reports, research, sampling, testing, and coordinating with agencies and clients.		

Experience dates	Experience and qualifications relevant to the proposed contract
Mr. Dardar provides environmental expertise, accurate reporting, and a high degree of professionalism to every project. Mr. Dardar is also a certified oyster biologist, as well as a certified diver.	
08/20-08/22	**S.P. H.013958, Rural Bridge Initiative – Carpenters Br Rd Over Whiskey Chitto CR (LADOTD, Burk-Kleinpeter, Inc.)** Mr. Dardar provided environmental biology consulting for the bridge replacement project, which included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 03/22	**S.P. H.013959, Rural Bridge Initiative – Reeds Bridge Road Over Calcasieu River Relief (LADOTD, Burk-Kleinpeter, Inc.)** Mr. Dardar served as an environmental biologist for the bridge replacement project, which included a wetland delineation, permit applications, and a threatened and endangered species survey.
08/20 – 02/22	**S.P. H.013970, Rural Bridge Initiative – LA 717: Klondike Canal and Bayou Bridges (LADOTD, Burk-Kleinpeter, Inc.)** Mr. Dardar served as an Environmental Biologist for the bridge replacement project, which included a wetland delineation, permit applications, and a threatened and endangered species survey.
07/22-Ongoing	**St. Tammany Parish Lake Road** Mr. Dardar serves as an environmental biologist for the bridge replacement project, which includes collecting data and documentation, impact analysis, solicitation of views (SOV), preparing a document DOTD and federal highway administration (FHWA) compliant categorical exclusion (CE), conducting a wetland delineation, and obtaining USCG and scenic rivers permits. He assists with all field work and assisting for report preparation.
04/22- Ongoing	**S.P. H.01362 Yellow Water Road Bridge** Mr. Dardar serves as an environmental biologist for the bridge replacement project, which includes floodplain, recreational, cultural/historic, wildlife impacts desktop analysis, USACE permits, wetland delineation and jurisdictional determination, threatened and endangered species, solicitation of views, and categorical exclusion checklist. He assists with all field work and report preparation.

17. Firm Experience:

Identify the team's project experience **most relevant** to the scope in the advertisement. **The projects should be limited to a total of 20, with no more than 5 projects being represented by the prime consultant and with no more than 3 projects represented by each sub-consultant on the team. If more than 5 projects are identified for the prime consultant, all projects identified after the first 5 will not be evaluated. If more than 3 projects are identified for a single sub-consultant, all projects identified after the first 3 from that sub-consultant will not be evaluated.** Include no more than one page per project. Projects identified shall only include work performed by firms on the team. The projects identified do not necessarily need to have been DOTD projects.

Firm name	**Infinity Engineering Consultants, LLC.**	Past Performance Evaluation Discipline(s)*	Bridge
Project name	Joe Brown Park Bridge Replacement	Firm responsibility (prime or sub?)	Prime
Project number	IEC-15-009	Owner's name	City of New Orleans
Project location	New Orleans, LA	Owner's Project Manager	James Kapesis
Owner's address, phone, email	1300 Perdido St., RM 6W03, NOLA 70112; jrkapesis@nola.gov; 504-658-8041		
Services commenced by this firm (mm/yy)	2/2015	Total consultant contract cost ($1,000's)	$73
Services completed by this firm (mm/yy)	10/2017	Cost of consultant services provided by this firm ($1,000's)	$73

Infinity performed the above and below deck condition inspection and evaluation of fourteen (14) bridges around the City of New Orleans. The fourteen bridges located throughout New Orleans consisted of a variety of materials, including concrete, timber, and steel.

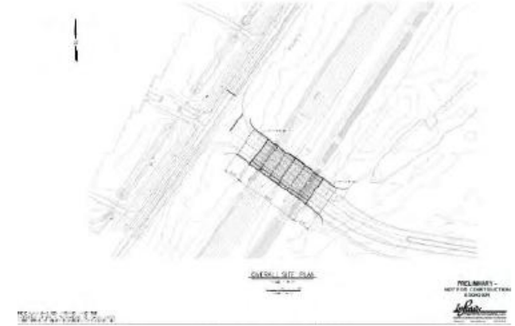
The City of New Orleans required that these bridges be inspected and that structural analyses be performed in order to assign load ratings as per AASHTO requirements. Infinity determined that the majority of the bridges met the AASHTO load rating requirements, and proscribed remedial repairs or replacement for those that did not. Among these bridges were three in Joe Brown Park in New Orleans East. One bridge was found to be in poor condition such that it was Infinity's official recommendation for the bridge to be removed from service.

After careful analysis of the bridge inspection, Infinity recommended to the City of New Orleans for a bridge to be replaced in Joe Brown Park. Infinity provided the engineering designs for a complete replacement of the bridge. The project included the demolition of the old bridge, its support piers, abutments, and approach paving; installation of new pilings and caps; installation of new deck panels, new abutments, and new approach slabs; and the establishment of new traffic markings and striping within the limits of construction.

Infinity engineers involved with project: William Thomassie, P.E; Rachel Kenney, P.E.; Ricardo Contreras, P.E.

17. **Firm Experience:**

Firm name	**Infinity Engineering Consultants, LLC.**	Past Performance Evaluation Category(ies)*	Bridge
Project name	Alvin Calendar Airfield Vehicular Bridge	Firm responsibility (prime or sub?)	Sub
Project number	IEC-20-019	Owner's name	STOA Architects
Project location	Belle Chase, LA	Owner's Project Manager	Robert McClendon
Owner's address, phone, email	121 E. Government St, Pensacola, FL 32502; 850-432-1912; mcclendon@stoaarchitects.com		
Services commenced by this firm (mm/yy)	9/20	Total consultant contract cost ($1,000's)	N/A
Services completed by this firm (mm/yy)	Under Construction	Cost of consultant services provided by this firm ($1,000's)	$86



Infinity is providing structural designs for this naval air station project. The structural designs include the establishment of a new vehicular bridge that will span across a drainage canal that parallels Barrier Road. Upon completion, this bridge will be approximately 50 feet wide by 160 feet in length and will include approach spans at both ends.

While the bridge is essentially level, the designs call for the bridge to uniformly elevated to span the canal and align with target grades, which is slightly higher than existing ground surfaces. Initial designs called for the bridge to be two lanes; however, it has been revised to be a four-lane bridge with concrete spans. Infinity has created structural designs for the reinforced abutment, pile support, lateral retaining walls, wing walls, and bridge deck. All bridge designs were developed in accordance with ASHTO guidelines.

The detailed designs for the bridge include the following:

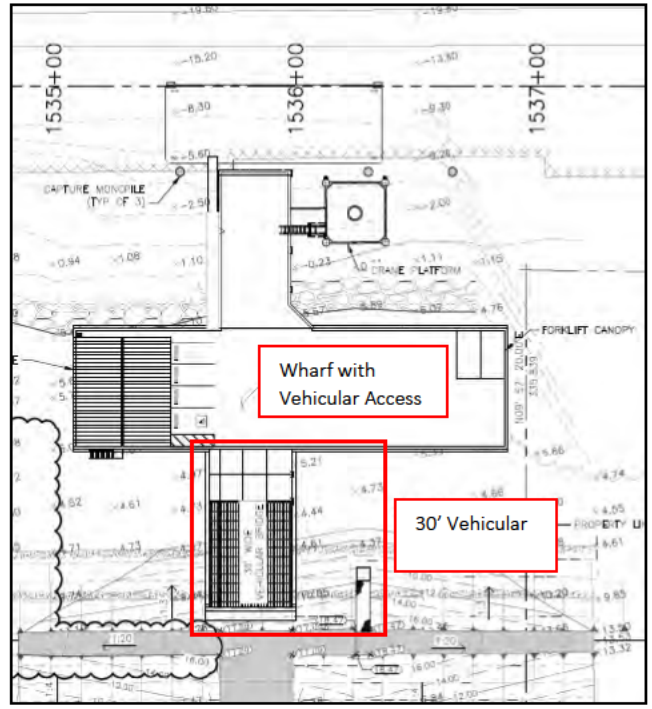
- Pile Selection and Specification
- Pile Cap Design
- Abutment Design Including Lateral Retaining Walls
- Bridge Deck Design

Infinity engineers involved with project: William Thomassie, P.E; Rachel Kenney, P.E.; Ricardo Contreras, P.E.; Louis Jackson, P.E.

17. Firm Experience:

Firm name	**Infinity Engineering Consultants, LLC.**	Past Performance Evaluation Category(ies)*	Bridge
Project name	Port Ship Service Bridge Design	Firm responsibility (prime or sub?)	Prime
Project number	IEC 18-022	Owner's name	Plaquemines Parish Port & Terminal
Project location	Myrtle Grove, LA	Owner's Project Manager	Paul Matthews
Owner's address, phone, email	8056 Highway 23, 3rd Floor, Belle Chasse, LA 70037; 504-682-7920 ; pmattews@pphtd.com		
Services commenced by this firm (mm/yy)	05/19	Total consultant contract cost ($1,000's)	$203
Services completed by this firm (mm/yy)	Bidding Phase	Cost of consultant services provided by this firm ($1,000's)	$203

Infinity is the prime consultant for the design and construction a new facility for the Port Ship Service Myrtle Grove within the Plaquemines Parish Port & Terminal. The current facility site is being allocated for new development, which necessitated the building of a new wharf structure and office building with vehicular and machine access. Infinity is providing civil, structural, mechanical, and electrical design services.



The civil/structural design components include the following:

- Relocation of the floating barge dock, including capture piles and yokes
- 30' vehicular bridge with slope stabilization to the bank
- Concrete wharf structure with vehicular access
- Road extension access to Highway 23 with lane stripping
- 25' x 50' steel framed loading platform with concrete abutment
- 25' x 25' steel framed crane platform
- All designs were developed in accordance with ASHTO guidelines

Infinity engineers involved with project: William Thomassie, P.E; Rachel Kenney, P.E.; Louis Jackson, P.E.

17. **Firm Experience:**

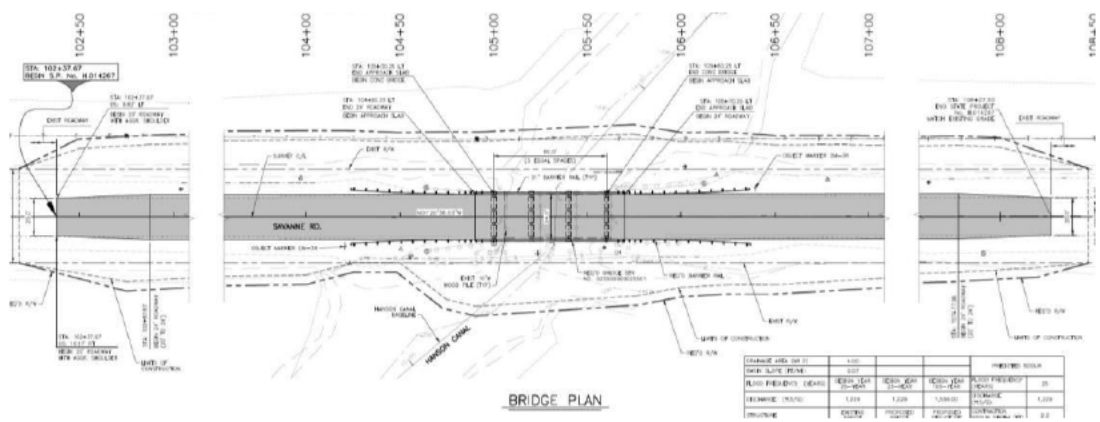
Firm name	**Infinity Engineering Consultants, LLC.**	Past Performance Evaluation Category(ies)*	Bridge
Project name	Off-System Highway Bridge Program Savanne Road Over Hanson Canal	Firm responsibility (prime or sub?)	Prime
Project number	Contract No. 4400019314	Owner's name	Louisiana Department of Transportation & Development
Project location	Houma, LA	Owner's Project Manager	Barbara Ostuno, P.E.
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA 70802; 225-379-1047; Barbara.ostuno.la.gov		
Services commenced by this firm (mm/yy)	5/21	Total consultant contract cost ($1,000's)	$55
Services completed by this firm (mm/yy)	Est. 5/23	Cost of consultant services provided by this firm ($1,000's)	$32

As part of the Louisiana DOTD Off-System Highway Bridge program, Infinity Engineering has commenced engineering design work on the replacement of the bridge along Savanne Road crossing over Hanson Canal in Houma, Louisiana. As the prime, Infinity will provide all structural/civil engineering designs for the bridge replacement as well as coordinate all land surveying and environmental services. Infinity has ensured all proper safety measures for flagging and traffic control are followed during site visits, surveying, and measurements.

For the preliminary plans of the project, a hydraulic design was performed to the specified DOTD Hydraulics manual to ascertain all viable drainage design options for the bridge. Additionally, Infinity coordinated with ELOS Environmental to identify and properly delineated all impacted wetlands to the Corps of Engineers guidelines.

If called upon Infinity's engineers have the capabilities to see this project through final design and construction administration.

Infinity engineers involved with project: Ricardo Contreras, P.E.; Louis Jackson, P.E.; Kevin Hurtt, E.I.



17. **Firm Experience:**

Firm name	**Infinity Engineering Consultants, LLC.**	Past Performance Evaluation Category(ies)*	Bridge
Project name	Shintec Water Intake Vehicular Bridge and Platform	Firm responsibility (prime or sub?)	Prime
Project number	IEC-21-009	Owner's name	Shintech Louisiana
Project location	Plaquemine, LA	Owner's Project Manager	Nathan Ferrington
Owner's address, phone, email	LA-1, Plaquemine, LA 70764 225-684-2105; nferrington@shin-tech.com		
Services commenced by this firm (mm/yy)	04/21	Total consultant contract cost ($1,000's)	$249
Services completed by this firm (mm/yy)	Under Construction	Cost of consultant services provided by this firm ($1,000's)	$249

Infinity has been tasked with providing engineering services related to the design of a new water intake platform for Shintech's SPP3 plant in Plaquemine, LA. This is a multi-disciplinary design consisting of field services, civil, structural, mechanical, electrical and instrumentation.

The civil and structural scope consists of the design of the following:

- Heavy equipment concrete bridge to the new platform
- Vehicular levee crossing
- Piling and concrete foundations
- Steel platform and drift deflector

Additionally, Infinity is tasked with specifying a jib crane and designing the platform to accommodate the crane loads. Finally, Infinity is to update the calculations for the existing structure to include a load analysis of proposed piping. The mechanical tasks include the design of the above ground piping from the pump station to the piperack bridge at the levee. This includes preparing ortho drawings, a comprehensive 3D model, isometric drawings, pipe support details, and general arrangements of the equipment. Infinity is to perform a pipe stress calculation, a hydraulic analysis, and participate in HAZOP. The electrical and instrumentation scope primarily included the design of the power distribution and grounding components of the electrical system and the instrumentation components of the project.

The field services scope contained performing hydrographic and topographic surveys of the existing site conditions as well as capturing the conditions with drone photography and videography.

Infinity engineers involved with project: Cindy Gallo, P.E.; Louis Jackson, P.E.; Ricardo Contreras, P.E

17. **Firm Experience:**

Firm name	SJB Group, LLC	**Past Performance Evaluation Discipline(s)***	Survey and Other (SUE Services)
Project name	**Dawson Creek at Hundred Oaks and Broussard Bridges**	**Firm responsibility (prime or sub?)**	Sub-Consultant
Project number	21-DR-LA-0095	**Owner's name**	Forte and Tablada, Inc.
Project location	East Baton Rouge Parish, Louisiana	**Owner's Project Manager**	Brad Holleman, PLS
Owner's address, phone, email	9107 Interline Avenue, Baton Rouge, LA 70809; 225-927-9321; BHolleman@forteandtablada.com		
Services commenced by this firm (mm/yy)	02/22	**Total consultant contract cost ($1,000's)**	$24
Services completed by this firm (mm/yy)	2023	**Cost of consultant services provided by this firm ($1,000's)**	$24

Team Members Involved: Karen Kennedy, Austin LaCombe, Wilfred Barry

Firm's Role: Subsurface Utility Engineering

SJB Group performed subsurface utility engineering (SUE) for the proposed Dawson Creek at Hundred Oaks and Broussard Bridges City-Parish Project No. 21-DR-LA-0095.

This project required ASCE 38-02 Quality Level A and B services within the project limits along Hundred Oaks Avenue and Broussard Street. The located utilities included water, gas, telephone, cable and fiber optic. To perform the work, an LA One Call Ticket was completed to initiate contact with all LA One Call Members. A site visit was conducted to investigate any other utility features that might identify a utility owner that was not included in the LA One Call locate and records were requested for all identified utility owners. Appropriate geophysical methods were used to properly designate all underground utilities.

The designations were surveyed by Forte and Tablada and a digital copy of this survey and all above ground features was provided to SJB. This information and the utility records were used to complete the Quality Level B Services. Any conflicts between records and geophysical markings were resolved through additional records research and engineering judgement.

After the design of the bridges is completed, any of the designated utilities in conflict with the proposed improvements will be located with a Quality Level A test hole. The test hole will include precise information on the location, depth, size and type of utility. It is critical to determine the location of the existing utilities to eliminate conflict with the future bridge design.

17. **Firm Experience:**

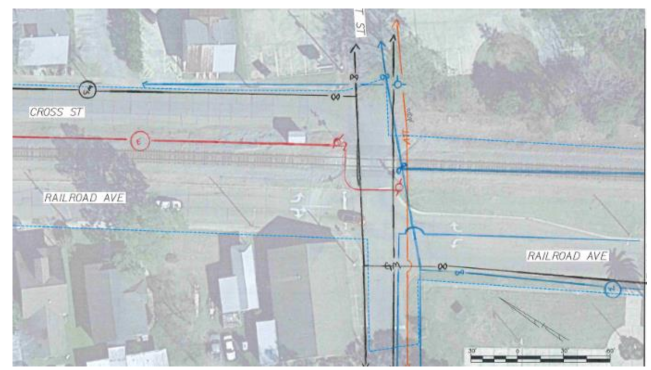
Firm name	SJB Group, LLC	**Past Performance Evaluation Discipline(s)***	Survey and Other (SUE Services)
Project name	**UP RR Corridor (Plaquemine)**	**Firm responsibility (prime or sub?)**	Prime
Project number	H.012851.5	**Owner's name**	Louisiana Department of Transportation and Development
Project location	Iberville Parish, Louisiana	**Owner's Project Manager**	Barrett Smith
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA; 225-379-1101; Barrett.Smith@la.gov		
Services commenced by this firm (mm/yy)	07/21	**Total consultant contract cost ($1,000's)**	$194.2
Services completed by this firm (mm/yy)	02/22	**Cost of consultant services provided by this firm ($1,000's)**	$194.2

Team Members Involved: Matthew Estopinal, Colby Mire, Karen Kennedy, Austin LaCombe, Tyler Foster, Elvis Nguyen, Kyle Haigler

Firm's Role: Topographic Survey and Subsurface Utility Engineering

SJB Group was tasked through a LA DOTD IDIQ retainer contract to provide subsurface utility engineering (SUE), utility surveying, and a topographic survey for this project in Iberville Parish. The project limits ran along the Union Pacific Railroad Corridor between the intersection of LA 1 and Bayou Road, and the intersection of Belleview Drive and Railroad Avenue. The project had a total linear distance of approximately 5,500 ft.

A complete topographic survey including all utilities with depths, all drainage, and finish floor elevations of all buildings that fell within the limits was completed in accordance with the Location and Survey Manual and all current accepted Location and Survey Automation procedures. A drainage map was required as part of the survey and was done in accordance of the LA DOTD Location and Survey Photogrammetry Manuel.



The SUE work was completed in accordance with CI/ASCE Standard 38-02. This project required ASCE 38-02 Quality Level B and C services within designed limits. The Quality Level C limits included a distance of 5,500 feet along Railroad Avenue. The Quality Level B designations were completed at the intersection of Bayou Road and LA 1 Intersection. To perform the work, an LA One Call Ticket was completed to initiate contact with all LA One Call Members. A site visit was conducted to investigate any other utility features that might identify a utility owner that was not included in the LA One Call locate and records were requested for all identified utility owners.

17. **Firm Experience:**

Firm name	SJB Group, LLC	**Past Performance Evaluation Discipline(s)***	Survey and Other (SUE Services)
Project name	**MovEBR Jefferson at Bluebonnet**	**Firm responsibility (prime or sub?)**	Sub-Consultant
Project number	20-CP-HC-0046	**Owner's name**	City of Baton Rouge
Project location	East Baton Rouge Parish, Louisiana	**Owner's Project Manager**	Tom Stephens
Owner's address, phone, email	222 Saint Louis Street, 8th Floor, Baton Rouge, LA 70802; 225-389-3158; TStephens@brla.gov		
Services commenced by this firm (mm/yy)	03/21	**Total consultant contract cost ($1,000's)**	$62
Services completed by this firm (mm/yy)	2023	**Cost of consultant services provided by this firm ($1,000's)**	$62

Team Members Involved: Wilfred Barry, Matthew Estopinal, Tyler Foster, Elvis Nguyen

Firm's Role: Topographic Survey and Subsurface Utility Engineering (SUE)

The City-Parish of East Baton Rouge selected Meyer Engineers, Ltd. to perform the engineering design and SJB Group to perform the survey and Subsurface Utility Engineering for the MovEBR Jefferson at Bluebonnet intersection improvements project. SJB Group performed a topographic survey for preliminary design considerations, and prepared a set of plan and profile sheets of the topographic corridor survey.

SJB Group surveyed the tracts adjacent to the project limits, and prepared a property survey depicting the property lines of these tracts as well as the existing right-of-ways for Jefferson Highway and Bluebonnet Boulevard. SJB Group will prepare right-of-way maps for any required right-of-way based upon the final project design.

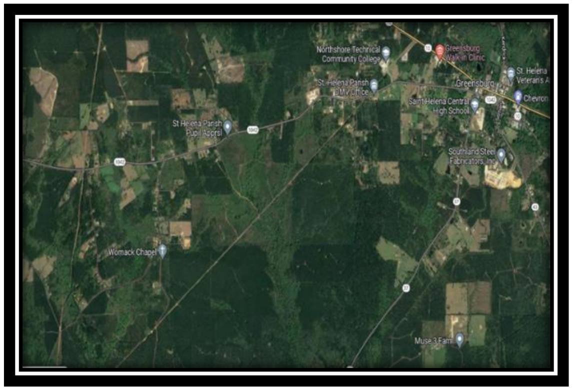
The Subsurface Utility Engineering was completed in accordance with CI/ASCE Standard 38-02, Standard Guideline for the Collection and Depiction of Existing Subsurface Utility Data. The Subsurface Utility Engineering for this project includes Quality Level C & D mapping for the length of the project.

17. **Firm Experience:**

Firm name	ELOS Environmental, LLC	Past Performance Evaluation Discipline(s)*	Environmental
Project name	LA-1042 & LA- 10 Spur Bridge Replacements	Firm responsibility (prime or sub?)	Sub
Project number	H.013982	Owner's name	LADOTD
Project location	St. Helena Parish, LA	Owner's Project Manager	Amanda Ranck
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$16
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)	$16

Services Provided: wetland delineations, preliminary jurisdictional determination, United States Army Corps of Engineers (USACE) nationwide permit applications, threatened and endangered species research, Categorical Exclusions checklist (CE), and solicitation of views (SOV).

ELOS was contracted by Burke-Kleinpeter to provide environmental services for H.013982. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of four existing bridges including one site at LA 1042 over Choctaw Creek, one site at LA 1042 over an unnamed creek, one site at LA 10 Spur over Raby Branch, and one site at LA 10 Spur over St. Joseph Branch in St. Helena Parish. **This project is one of many bridges part of the DOTD Rural Bridges Phase I projects, for which ELOS was the environmental consultant conducting the environmental reviews and documentation.** This project primarily involved wetland delineations and a wetlands finding report. Evidence observed and documented indicates that approximately 0.22 acre of the site location meets the established criteria to be considered "Section 404 wetlands." In addition, approximately 2.19 acre of this site meet the established criteria to be considered "other waters of the U.S." The DOTD will mitigate the wetlands impacted by construction activities for this project by minimizing impacts as listed in the Louisiana Standard Specifications for Roads and Bridges, 2016 edition, and mitigate for lost wetland habitats by reseeding with appropriate plants and seedlings. No threatened and endangered species surveys were required for this project.



Site 1. LA 1042/ Choctaw Creek: Recall No. 058492)

Site 2. LA 1042/ unnamed creek: Recall No. 058494

Site 3. LA 10 Spur/ Raby Branch: Recall No. 620045

Site 4. LA 10 Spur/ St. Joseph Branch: Recall No. 620046

Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar

17. Firm Experience:

Firm name	ELOS Environmental, LLC	Past Performance Evaluation Discipline(s)*	Environmental
Project name	LA-4 Rural Bridge Initiative	Firm responsibility (prime or sub?)	Sub
Project number	H.014268	Owner's name	LADOTD
Project location	Jackson and Caldwell Parishes	Owner's Project Manager	Amanda Ranck
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$16
Services completed by this firm (mm/yy)	01/22	Cost of consultant services provided by this firm ($1,000's)	$16

Services Provided: wetland delineations, preliminary jurisdictional determination, United State Army Corps of Engineers (USACE) nationwide and Department of Natural Resources CUP/Consistency Determination permit applications, threatened and endangered species research, Categorical Exclusion checklist (CE) and solicitation of views (SOV).

ELOS was contracted by Burke-Kleinpeter to provide environmental services for H.014268. The Louisiana Department of Transportation and Development (LADOTD) proposed the replacement of 8 separate bridges located on LA-4 in Jackson and Caldwell Parishes. **This project is one of many bridges part of the DOTD Rural Bridges Phase II projects, for which ELOS was the environmental consultant conducting the environmental reviews and documentation.** This project involved surveys for threatened and endangered species, including investigations for the Northern Long-eared Bat, Louisiana Pine Snake, and the Red Cockheaded Woodpecker. Evidence observed and documented indicates that approximately 17.40 acres of these sites meet the established criteria to be considered "wetlands" and approximately 6.05-acres of these sites meet the established criteria to be considered "other waters of the U.S.".

Site 1. Unnamed Creek: Recall No. 021100
Site 2. Unnamed Creek: Recall No. 021120
Site 3. Bear Creek: Recall No. 021130
Site 4. Squirrel Creek: Recall No. 046750
Site 5. Sugar Creek: Recall No. 046760
Site 6. Bill's Creek: Recall No. 046782
Site 7. Lost Creek Relief: Recall No. 046786

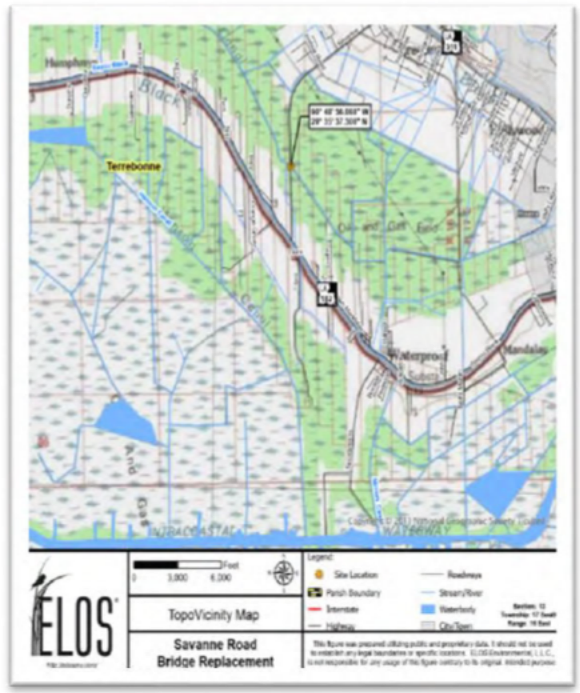
Firm Personnel Involved: Cory Ricks, Hunter Perrilloux, Mike Hill, and Basile Dardar

17. Firm Experience:

Firm name	ELOS Environmental, LLC	Past Performance Evaluation Discipline(s)*	Environmental
Project name	Savanne Road Bridge Over Hanson Canal	Firm responsibility (prime or sub?)	Sub
Project number	H.014267	Owner's name	LADOTD
Project location	Terrebonne Parish, LA	Owner's Project Manager	Amanda Ranck
Owner's address, phone, email	1201 Capitol Access Road, Baton Rouge, LA, (225) 379-1232, amanda.ranck@la.gov		
Services commenced by this firm (mm/yy)	08/20	Total consultant contract cost ($1,000's)	$16
Services completed by this firm (mm/yy)	Ongoing	Cost of consultant services provided by this firm ($1,000's)	$16

<u>Services Provided</u>: Scenic Rivers and Streams Permits, USACE Permits, Wetland Delineation and Jurisdictional Determination, Threatened and Endangered Species, Solicitation of Views, and Categorical Exclusion Checklist.

ELOS was contracted by Infinity to provide environmental services for the improvement of DOTD Bridge Replacement projects. LADOTD proposed the replacement of the existing Savanne Road Bridge over Hanson Canal **(Recall No. 020165)** with a new concrete reinforced bridge at approximately 90° 48' 56.088" West and 29° 35' 37.308" North.



The existing bridge, located approximately 0.82 miles north of LA 182 in Terrebonne Parish, was recommended for replacement by the Louisiana Department of Transportation and Development (LA DOTD). The existing structure was a 4-span, 57-foot-long, and 24-foot-wide concrete bridge. The proposed action was to replace the existing bridge with three 20-foot spans, totaling 60 feet, with 3:1 riprap abutments and a proposed finished grade at branch crossing at 5.51 in accordance with current LADOTD and AASHTO guidelines.

This project included a wetland delineation and jurisdictional determination from the USACE, a Section 404 permit from the USACE, a scenic rivers and streams permit from the LDWF, and a threatened and endangered species survey for West Indian Manatees (*Trichechus manatus*). ELOS was also tasked with preparing and mailing the solicitation of views letters to the relevant agencies and responding to comments. This project qualified for a categorical exclusion (CATEX), meaning a detailed environmental analysis was not required. ELOS prepared and submitted the CATEX documentation.

<u>Firm Personnel Involved</u>: Cory Ricks, Hunter Perrilloux, Mike Hill, and Claire LaBarbera

18. **Approach and Methodology:**

It is our understanding that the LADOTD seeks to develop preliminary engineering plans for the replacement of a bridge along an undivided roadway in Franklinton, Louisiana. Infinity Engineering Consultants is a Metairie, Louisiana-based firm, located just an hour and a half from the project site. Distance from the project site will not hinder Infinity's effort to conduct field investigations and advanced measurements, as the Infinity team has provided engineering design work along the Gulf Coast. With Infinity's unique multi-disciplinary skill sets and structural engineering experience, the firm is well positioned to project manage the preliminary design phase of the proposed off-system bridge replacement.

We have reviewed the background information provided in the RFQ documents and took time to study the geography of the bridge. Due to its residential and rural setting, the bridge designs will have to be mindful of the impacts to the roadway closure, as well as environmental considerations. Approximately 25 residential properties are located along Cleve Kennedy Road, which runs perpendicular to Highways 424 and 438, creating one of three connections between the two highways. When creating the preliminary designs, Infinity will be mindful of the residential and traffic impacts of closing the off-system highway bridge and seek out temporary measures to minimize shutting down the throughput of the road.

Cleve Kennedy Road Over Morgan Branch

As outlined in the scope of services, beyond engineering design, this contract requires topographic survey, right of way sketches, and wetland delineation to be performed. To perform this project, Infinity has assembled a talented team of professionals, all familiar with the local site conditions and experience in preparing supporting information for the design of a new bridge. The responsibilities of each team member are as follows:

INFINITY ENGINEERING CONSULTANTS, LLC:

- Project Management, Civil Engineering, Structural Engineering, Cost Estimating

SJB Group, LLC.:

- Topographic, Right-of-Way sketches, and Subsurface Utility Engineering

ELOS ENVIRONMENTAL:

- Wetland Identification and Delineation, Wetlands Finding Report, Environmental Clearance

Infinity Engineering has been integrally involved with the engineering design and reconstruction of several public and private bridge projects. Among those similar to this RFQ were the design packages for the LADOTD off-system bridge replacement of bridges along Savanne Road in Houma, LA and North River Road in Tangipahoa Parish. The design packages Infinity prepared included engineering and environmental regulatory permitting for the preliminary designs for the replacement of these off-system bridges. Therefore, Infinity Engineering is familiar with the standards and practices required when designing an off-system bridge for LADOTD, including flagger safety and cybersecurity training protocols. As a company, we commit to continuing to follow those standards of providing quality design solutions.

PRELIMINARY PHASE

For the Cleve Kennedy Road bridge replacement project, Infinity's method of execution will include several deliberate steps. We envision that during the preliminary phase we will explore several proven concepts to address the unique design conditions that ultimately led to the poor rating of the previous bridge structures. These will potentially include designing for conditions that may result from scouring, including armoring and reverting the waterway bottom and providing positive groundwater drainage. These are design concepts that will be fully vetted out.

Some may prove feasible and beneficial, and other concepts may be added as the process evolves. Upon conclusion of the preliminary phase, Infinity will present our findings and recommendations in a report that we will review with DOTD. We intend for the design process to be a collaborative effort between our team and the Owner. With a mutually agreeable concept, we will move forward to the next phase.

The **Preliminary Phase** will be critical as it will serve to firmly identify and quantify the special design conditions that the replacement bridge project must entail. To determine the most logical and feasible solution, during this phase we intend to:

1. Meet with the Owner's representatives to collect record information for the sites; such as:
    a. Typical bridge traffic type, frequency, and magnitude
    b. Previous construction plans, surveys, and geotechnical studies
2. Obtain data regarding the drainage, and historical flow data as it pertains to the site.
3. Review previous geotechnical reports that are on file.
    a. Review the geologic history of the region and site.
    b. Devise conceptual solutions for a replacement bridge structure as it pertains to soil matters.
    c. Develop a field exploration plan and obtaining new soil borings for the site.
4. Coordinate with the surveyor (SJB Group) and the design team to:
    a. Perform a topographic survey of the existing waterway, embankment, and roadway near the bridge to identify and study the surface profiles of the site.
    b. Perform a topographic survey to locate existing features
    c. Prepare a Right of Way sketch.
5. Perform a hydraulic design to determine drainage alternatives.
6. Prepare documentation for solicitation of views and categorical exclusion.
7. Prepare permit drawings for use in obtaining COE Environmental Clearance permits (ELOS), as required.
8. Prepare a Wetland Study (ELOS)
    a. Conduct ground level investigation to verify the right of way.
    b. Locate wetlands on a quadrangle sheet and layout map.
    c. Document soil samples.
    d. Prepare Wetland Determination Data Form with GPS sample point locations.
9. Develop a preliminary design for the replacement bridges based on the data collected and research performed in the preceding steps.
10. Prepare an estimated construction cost estimate for the proposed design.
11. Prepare a preliminary report summarizing the above documentation and preliminary plan.

Topographic Survey

SJB Group, LLC will conduct topographic surveying using proven survey technology and techniques to meet the requirements of the LA DOTD Location and Survey Manual, LA DOTD standard topographic survey guidelines, and the LA DOTD Software and Deliverable Standards for Electronic Plans for the duration of this project's contract. SJB Group personnel are thoroughly familiar with the topographic surveying requirements in LA DOTD's Location and Survey Manual and Addendum "A". This familiarity and experience has been gained from many years of completing topographic surveying task orders through IDIQ contracts with the Location and Survey section. SJB Group will provide a thorough, high quality survey to LA DOTD standards in Microstation and InRoads, certified with CAD Conform.

SJB Group has the capacity to complete project tasks in accordance with the project schedule and budget in a safe manner. All SJB Group field personnel are required to have current Traffic Control certifications for their position, which includes the ATSSA Flagger certification, Traffic Control Technician, and/or Traffic Control Supervisor. The project will be performed according to the procedures and guidelines set forth in the LA DOTD Location and Survey Manual. The Project survey control and horizontal alignment will be based on the Louisiana State Plane Coordinate System, (NAD-83), as determined by Static G.P.S. observations. Field crews will use electronic data collectors with the LA DOTD Feature Code Library to enter unique codes for all surveyed features as they are collected. Office personnel will process and perform QA/QC steps to ensure that features were coded correctly, and then use Bentley InRoads Survey V8i to produce CAD survey graphics to LA DOTD standards. Topographic Survey data will be collected to sufficient detail to allow the final deliverable to be used for the design and development of the bridge's improvement plans. Throughout the progression of the project, SJB will implement an in-house peer review system for project tasks. QA/QC will be performed according to checklists found in "Addendum 'A' to the Location and Survey Manual" and in-house QA/QC procedures that have been developed by SJB Group through years of delivering high quality work to LA DOTD standards.

Upon completion of field data collection and office data processing, SJB Group will submit project deliverables via ProjectWise, per LA DOTD requirements, unless specified otherwise. All electronic deliverables will be collected, processed, and delivered in conformation with LA DOTD Software and Deliverable Standards. The Topographic Survey deliverable will include, at a minimum, Survey graphics in DGN, FWD file of all survey control and data, DTM of existing surface, ALG file of the surveyed alignment, TXT file of all survey points, Raw GPS Observation files, OPUS GPS Solution reports, DOTD Field Books and a certification letter for all submitted deliverables signed and stamped by the Louisiana Licensed Professional Land Surveyor of record for each task order.

Subsurface Utility Engineering (SUE)

SJB is well versed in the recently updated SUE standard, ASCE 38-22 Standard Guideline for Investigation and Documenting Existing Utilities and the new requirements included therein. We are also familiar with LA DOTD policies and procedures and will conduct all work in accordance with these standards and use the proper traffic control and obtain all necessary permits and rights of entry. SJB owns a vast collection of equipment necessary for completion of Quality Level A-D services.

Utility Coordination/Design Capabilities

SJB has vast experience in performing utility coordination during design, preconstruction, and construction phases for LA DOTD projects. This experience includes the creation of a utility conflict matrix, coordination with utility owners in an individual or group environment, design, review and compilation of relocation plans, generation of cost estimates, and preparation of required LA DOTD Utility Relocation Section documents such as URA's and the associated supporting documentation. We also have staff with experience working with individual utility owners and contractors on the construction side. This includes monitoring of relocation and installation work, ensuring compliance with construction plans and schedules and negotiating required field changes. Our experienced Land Surveying staff have the capabilities to provide accurate as-built documentation on the final location of installed utilities.

Quality Level D Services

SJB will identify and contact utility owners that may have facilities that could be affected by the project. Utility owners will be identified through LA OneCall requests, field investigation, review of State Board of Public Utilities franchise areas, clearinghouse websites, GIS maps and the National Pipeline Mapping System. Records will be documented and gathered information will be used as an aid in the identification of the number of utilities, type, size, and material composition of utilities, but they will not be used as a substitute for actual geophysical location.

Quality Level C Services

Inclusive of Quality Level D Services, SJB will identify and survey existing utility surface features. SJB will correlate the applicable utility records to these surveyed features and determine when records and features do not agree and use professional judgement to resolve any discrepancies.

Quality Level B Services

Inclusive of Quality Level C Services, SJB will designate, and mark known underground utilities within the project limits using an appropriate suite of geophysical equipment. SJB will use our standard search protocol using electromagnetic and GPR technologies to conduct sweeps within the project area to determine the existence and approximate location of undocumented, abandoned, inactive or otherwise unknown utilities. Each utility run shall be labeled, and this information will be noted on the field sketch to assist the surveyor for quality control purposes.

Quality Level A Services

SJB can determine the exact location and elevation of critical utilities which may conflict with the proposed construction or design through the use of our HydroVac Truck. After reviewing utility information provided from the Quality Level B investigation, SJB can perform Test Holes on utilities where directed by the design engineer or where it is determined that existing utilities may be in conflict with the proposed project design by utilizing non-destructive vacuum excavation equipment to expose the utilities at specific points which are then located in the field by our survey department.

SCHEDULE

The overall time for the completion of the scope of services listed in the RFQ is (4) years. Upon notice to proceed and executed contract, we anticipate the final submittal of deliverables to occur within 4 years, or sooner. This is also contingent upon timely receipt of comments and information from DOTD and barring any unforeseen conditions outside of our control.

[redacted]

19. **Workload:**

For all contracts where a firm on the team is a prime consultant or sub-consultant and where a) the consultant selection was made by DOTD, and b) a contract was executed by the consultant and the contracting entity by the date the advertisement for this proposal was posted, list all work meeting the following criteria:

1) one of the team's firms is responsible for the performance of the work;
2) authorization to perform the work has been provided, as provided in the contract between the consultant and the contracting entity;
3) the work has not yet been performed and invoiced; and
4) the work is not currently suspended for an indefinite period of time.

For indefinite delivery/indefinite quantity (IDIQ) contracts, list open Task Orders individually.
List only the portion of the fees attributable to firms on the team.

Firm(s)	Past Performance Evaluation Discipline(s) *	State project number	Project name	Remaining Unpaid Balance**
Infinity Engineering Consultants, LLC.	Bridge	H.014267.5	Off-System Highway Bridge Program Savanne Road Over Hanson Canal	$45,096
Infinity Engineering Consultants, LLC.	Bridge	H.014265.5	Off-System Highway Bridge Program North River Road Over Irving Branch	$45,096
SJB Group, LLC	Other (SUE)		DBE Supportive Services – Region A (2020 – 2023)	$55,955
SJB Group, LLC	CPM	H.013579.6	Pecue Lane/I-10 Interchange II – East Baton Rouge Parish	$2,175
SJB Group, LLC	CPM	H.001820.6	LA 485: Bridges Near Allen – Natchitoches Parish	$40,639
SJB Group, LLC	CPM	H.001344.6	US 190: LA 437-US190 BUS (PH 1) – St. Tammany Parish	$53,180
SJB Group, LLC	CPM	H.002375.6	Amite R. Br Near French Settlement – Livingston Parish	$996
SJB Group, LLC	CPM	H.002980.6	I-10 Overpass over US 165 and MP R.R. – Calcasieu/Jefferson Parish	$138,304
SJB Group, LLC	CPM	H.010018.6	I-10: NO East Drain Canal Bridge Replace – Orleans Parish	$25,315
SJB Group, LLC	CPM	H.003184.6	I-10: Texas State Line – E. of Coone Gully – Calcasieu Parish	$131,752
SJB Group, LLC	CPM	H.004634.6	Juban Rd Widening (I-12 – US 190) – Livingston Parish	$17,331
SJB Group, LLC	CPM	H.012588.6	I-10: Atch Basin Br – W Baton Rouge P/L – Iberville Parish	$27,035
SJB Group, LLC	CPM	H.001234.6	LA 1: Port Allen Canal Br Repl (Ph1) (HBI) – West Baton Rouge Parish	$26,885
SJB Group, LLC	CPM	H.000665.6	UP R.R. Overpass Near Bonita (HBI) – Morehouse Parish	$36,496
SJB Group, LLC	Other (SUE)	H.001820.6	LA 485: Bridges Near Allen – Natchitoches Parish	$78,839
SJB Group, LLC	Survey	H.012685.5	LA 385: Ryan Street Intersection IMPRS – Calcasieu Parish	$34,363

Burk-Kleinpeter (Prime) SJB Group, LLC (Subconsultant)	Survey/Road	H.013952; H.013963; H.013966; H.013968; H.013982; H.013984; H.013996; H.013976; H.013997; H.013970	Contract No. 44-17597 16 State Project Numbers (33 Structures) Rural Bridge Replacement Initiative, Districts 03, 07, 61, and 62	$83,721
Digital Engineering & Imaging (Prime) SJB Group, LLC (Subconsultant)	Survey	H.013716.5	US 167: Camellia Blvd – Churchill Dr. (LAF) – Lafayette Parish	$39,953
Stanley Consultants, Inc. (Prime) SJB Group, LLC (Subconsultant)	Survey	H.014886.5	US 90: Tulane Ave – Danzinger Bridge – Orleans Parish	$54,432
ELOS Environmental, LLC	Environmental	H.014242	LA-124 Big Branch, Sandy etc.	$5,085
ELOS Environmental, LLC	Environmental	H.014243	LA-472 Indian and Big Bear	$57
ELOS Environmental, LLC	Environmental	H.014245	LA-119 Creeks & Bayou Pierre	$111
ELOS Environmental, LLC	Environmental	H.014247	LA-399 Creeks, Little 6 Mile Creek	$6,200
ELOS Environmental, LLC	Environmental	H.014248	LA-124 Creeks, Broke Leg Bayou	$57
ELOS Environmental, LLC	Environmental	H.014249	LA-126 Creek	$3,690
ELOS Environmental, LLC	Environmental	H.014250	LA-577 Creek & Bull Bayou	$3,496
ELOS Environmental, LLC	Environmental	H.014268	LA-4 Creeks, Bear, Squirrel	$134
ELOS Environmental, LLC	Environmental	H.013958	Carpenters	$3,783
ELOS Environmental, LLC	Environmental	H.013970	LA 717	$5,476
ELOS Environmental, LLC	Environmental	H.013984	LA 16 Bridge	$2,054
ELOS Environmental, LLC	Environmental	H.014265	N. River Road Bridge Over Irving Branch	$6,655
ELOS Environmental, LLC	Environmental	H.014267	Savanne Road Bridge Over Hanson Canal	$6,640

(Add rows as needed) DO NOT SUM

* The only past performance evaluation disciplines to be used are: Road, Bridge, Traffic, CE&I/OV, Geotech, Survey, Environmental, Data Collection, Planning, Right-of-Way, CPM, ITS, Appraiser and Other. If a firm has more than one past performance evaluation discipline for any single project, the firm can use multiple rows to express the remaining unpaid balance per evaluation discipline.

** Round to the nearest dollar. **<u>Do not</u>** round to the nearest thousands. If there are no active contracts with a remaining unpaid balance, place N/A in the Remaining Unpaid Balance column. LEAVING THE "REMAINING UNPAID BALANCE" COLUMN BLANK IS NOT ACCEPTABLE.

20. Certifications/Licenses:

If the advertisement requires submission of licenses and/or certificates, include them here. Otherwise, leave this section blank.

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Ricardo Contreras

has attended

Traffic Control Technician-LA State Specific

Training Course

4/28/2020 to 4/28/2020
Date

Vice President of Member Services

Baton Rouge, LA
Location

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Ricardo Contreras

has attended

Traffic Control Supervisor-LA State Specific

Training Course

4/29/2020 to 4/30/2020
Date

Vice President of Member Services

Location

President, CEO

ATSSA American Traffic Safety Services Association ATSSA.com

LED | LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Infinity Engineering Consultants, LLC

is Certified-Active as a Small Entrepreneurship with
Louisiana Economic Development's Hudson Initiative.

This certification is valid from 7/22/2022 to 7/22/2023

Certification No. 8402

Stephanie Hartman,
Director, Small Business Services

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
Infinity Engineering Consultants, LLC	Mr. William Thomassie4001 Division Street Metairie, Louisiana 70002

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0003109	Active	03/09/2004	09/30/2024	Mr. William John Thomassie # PE.0027421 ; Mr. Raoul Vincent Chauvin III # PE.0028272

SJB Group

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
SJB Group, LLC	P. O. Box 1751 Baton Rouge, Louisiana 708211751

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0002119	Active	01/14/1997	03/31/2023	Mr. Wilfred B. Barry # PE.0017452 - Active ; Mrs. Karen Lynn Kennedy # PE.0028547 - Active

The Louisiana Professional Engineering and Land Surveying Board has the following information on file:

Name:	Public Address:
SJB Group, LLC	P. O. Box 1751 Baton Rouge, Louisiana 70821-1751

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000390	Active	01/14/1997	03/31/2023	Mr. Wilfred B. Barry # PLS.0004612 - Active

ATSSA American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

Wilfred Barry

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER ATSSA

Issue Date 4/27/2022

Exp. Date 4/26/2026

State Issued LA

Instructor Name

Instructor Signature

A1000060345

Verify at Flagger.com

Office of Technical Services

national highway institute

CERTIFICATE OF TRAINING

Wilfred Barry

has participated in

NHI Course No. FHWA-NHI-134006A

Introduction to Utility Coordination for Highway Projects

Hosted by: **National Highway Institute**

Location: *Web-Based Course*

Hours of Instruction: *4 hours*

Date: *6/9/2021*

Thomas P. Harman

Acting Director | National Highway Institute

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Wilfred Barry

has attended

Traffic Control Supervisor-LA State Specific

Training Course

4/7/2021 to 4/6/2025

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Wilfred Barry

has attended

Traffic Control Technician-LA State Specific

Training Course

4/6/2021 to 4/6/2025

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO

ATSSA American Traffic Safety Services Association

SAFER ROADS SAVE LIVES

This is to affirm that

Matthew Estopinal

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER ATSSA

Issue Date 4/25/2022

Exp. Date 4/24/2026

State Issued LA

Instructor Name

Instructor Signature

A1000058046

Verify at Flagger.com

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Matthew Estopinal

has attended

Traffic Control Technician-LA State Specific

Training Course

6/21/2022 to [illegible]

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO

ATSSA TRAINED

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Matthew Estopinal

has attended

Traffic Control Supervisor-LA State Specific

Training Course

6/22/2022 to 6/22/2026

Training Valid Through

Baton Rouge, LA

Location

Director of Training

President, CEO

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Elvis Nguyen
has attended
Traffic Control Technician-LA State Specific
Training Course

6/29/2021 to 6/29/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Elvis Nguyen
has attended
Traffic Control Supervisor-LA State Specific
Training Course

7/1/2021 to 7/2/2025
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

ATSSA American Traffic Safety Services Association

This is to affirm that

James Koontz

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/17/2022

Exp. Date 3/16/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

ATSSA American Traffic Safety Services Association

This is to affirm that

Karen Kennedy

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 6/17/2022

Exp. Date 6/16/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

Verify at Flaggers.com

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Karen Kennedy
has attended
Traffic Control Technician-LA State Specific
Training Course

6/21/2022 to 6/21/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

Karen Kennedy
has attended
Traffic Control Supervisor-LA State Specific
Training Course

6/22/2022 to 6/22/2026
Training Valid Through

Director of Training

Baton Rouge, LA
Location

President, CEO

ATSSA

ATSSA American Traffic Safety Services Association

This is to affirm that

Austin LaCombe

has satisfied the requirements to be designated as a

CERTIFIED FLAGGER

Issue Date 3/9/2022

Exp. Date 3/8/2026

State Issued LA

ATSSA

Instructor Name

Instructor Signature

The American Traffic Safety Services Association

Hereby recognizes that

Austin Lacombe
has attended
Traffic Control Technician-LA State Specific
Training Course

2/11/2020 to 2/11/2020
Date

Baton Rouge, LA
Location

ATSSA

Training & Products Dept. Director

President, CEO

The American Traffic Safety Services Association

Hereby recognizes that

Austin Lacombe
has attended
Traffic Control Supervisor-LA State Specific
Training Course

2/12/2020 to 2/13/2020
Date

Baton Rouge, LA
Location

ATSSA

Training & Products Dept. Director

President, CEO

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

NHI

Certificate of Training

Lucas Watkins

has participated in

FHWA - NHI Course No. 142005
NEPA and the Transportation Decision-making Process (3 Days)

hosted by

LA DOTD/LTRC

Date: December 8-10, 2015 *Hours of Instruction:* 18
Location: Baton Rouge, LA

Instructor — Allison H. Landry, Local Coordinator

Brennan S Collier, Instructor — Valerie Briggs, Director, National Highway Institute

National Highway Institute

U.S. Department of Transportation
Federal Highway Administration

nhi national highway institute

Certificate of Training

JERRY GRAVES

has participated in

FHWA-NHI-142005 NEPA and the Transportation Decisionmaking Process

hosted by

LA DOTD/LTRC

Date: *August 10-12, 2022* *Hours of Instruction:* 18
Location: *Baton Rouge, LA*

Instructor — Allison H. Landry, Local Coordinator

Instructor — Thomas Harman, Thomas Harman, Director, National Highway Institute

Wetland Training Institute

This certifies that

Cory Ricks

has completed training based in part on the U.S. Army Corps of Engineers Wetland Delineation Manual Technical Report Y-87-1 (1987 Manual), as provided for in the training materials developed in conjunction with Section 307(e) of the Water Resources Development Act of 1990 for the Wetland Delineator Certification Program

Given at Covington, Louisiana
On September 11-15 (40 hours) 20 17

Course Coordinator

 Prime consultant name**: Infinity Engineering, LLC.**

21. QA/QC Plan and/or Work Plan:

If the advertisement requires submission of a QA/QC plan or Work plan, include them here. Otherwise, leave this section blank.

Section 1 - Introduction

1.1 Defining Plan Quality

The dictionary defines Quality Control as the inspection, analysis and action required to ensure quality of output; the operational techniques and the activities used to fulfill and verify requirements of quality; a procedure for keeping quality of inputs or outputs to specifications.

In accordance with LaDOTD expectations, the quality plan shall strive to shape and guide the product, and be measured against the following characteristics:

Complete:

1) The plans will be an accurate and thorough representation of the existing project site and terrain features.
2) The plans will be an accurate and thorough representation of the proposed project features and details to be constructed.
3) The plans will be supported by a thorough and detailed documented development process.
4) The plans will be developed with the active involvement of all affected parties and developmental stage owners throughout all stages of development.

- **Consistent**: The plans will be consistent with other plans developed for LADOTD and will comply with all standards and guidelines set by the LADOTD design manuals, AASHTO design guidelines and electronic standards.
- **Clear:** Instructions provided in the plans and specifications will leave little room for subjectivity.
- **Correct:** Preparation of the plans such that the delay, postponement, or cancellation of the project letting is avoided.
- **Constructible:** The plans will present a project that can be constructed and will not require change orders attributable to the designer.

It is Infinity's responsibility to maintain and enforce the quality plan as described in this document.

1.2 Definition of Terms and Abbreviations

The use of some key terms used in this document will be understood to have the following meanings:

Quality Control (QC)

Quality Control is defined as the operational techniques and the activities used to keep the quality of inputs or outputs to specifications; to fulfill and verify requirements of quality.

Quality Assurance (QA)

Quality Assurance refers to those actions, procedures, and methods employed at the management and senior technical levels to observe and ensure that prudent quality procedures are in place and are being carried out and that the desired result of a quality product is achieved.

Designer

The designer is the engineer directly responsible for the development of design calculations, drawings, special provisions including Non-Standard items, and cost estimate. The designer will be licensed by the State of Louisiana as a professional engineer or certified as an engineer intern. The detailer is the individual directly responsible for the creation of CAD drawings. During the design process, the designer must follow the design criteria established for the project. Bridge type, size, and location (T, S &L) must be developed first and approved by the supervisor or team leader prior to proceeding with the design of structural components.

The design calculations shall be organized and maintained in a standard calculation book format. The calculation book checklist is included in Appendix B of ***LADOTD Bridge Design and Evaluation Manual (BDEM)***. The designer must communicate with the detailer and supervise the detailing work to ensure that the drawings adequately and accurately present the design information. Both the designer and the detailer shall check their own work and minimize errors.

Checker

The design checker is the engineer responsible for performing a full technical review of the design calculations, drawings, special provisions including Non-Standard items, and cost estimate. The design checker must be licensed by the State of Louisiana a professional engineer or certified as an engineer intern; however, if the designer is an engineer intern, the design checker must be a professional engineer. The detail checker is the individual responsible for performing a full review of the CAD drawings.

The detail checker can be a designer or a detailer. The design checker and detail checker shall not be the ones who perform the original design and detailing. During the design check process, the design checker must verify the accuracy of the designer’s calculations, pay items, quantities, special provisions including Non-Standard items, and cost estimate. The design checker may perform a redline check of the designer’s calculations or produce an independent set of calculations and compare the results; the supervisor or team leader shall determine which method to use depending on the complexity of the project. Regardless of the checking method employed, the designer’s calculations are the calculations of record and must be updated to correct any errors or omissions discovered by the design checker. The calculations of the design checker should also become a part of the calculation of record when independent checking calculations are produced. The design checker should also ensure that the drawings adequately and accurately present the design information.

Reviewer

The reviewer is the engineer responsible for ensuring that the QC process as described in Step 4 is complete and the design calculations, drawings, special provisions, and cost estimate are in accordance with LADOTD Bridge Design practices, policies, and procedures. The reviewer must be licensed by the State of Louisiana as a professional engineer and must have substantial experience in the design of similar structures. During the quality assurance process, the reviewer shall perform a cursory review of all documents in the QA information package submitted by the designer. This review should focus on the constructability of the plan details; areas of critical structural importance; areas where, based on the reviewer’s experience, mistakes may be typically found; and areas that may be new to the design practice. The reviewer may, but need not, produce independent calculations to verify submitted information. The reviewer shall provide feedback to the designer and resolve all issues. Upon completion of the QA process, which shall be no later than the 98% final plans stage, the design calculations, plan details, special provisions, and cost estimate shall be considered as final. At this point, the QC/QA certification as included in Appendix D shall be signed by the designer, design checker, detailer, detail checker, and reviewer.

Engineer of Record (EOR)

The EOR is the engineer responsible for supervision and/or preparation of plans, sealing calculations, plans, and special provisions if required. The EOR must be licensed by the State of Louisiana as a professional engineer and must have commensurate experience in the design of similar structures. The EOR can be the designer, the design checker, the reviewer, or the supervisor/team leader who is directly involved in the project design activities. The responsibilities of the EOR are as follows:

1) Ensure the QC/QA certification is signed by all responsible parties. Ensure the geotechnical design information shown on bridge plans is co-stamped by a Geotechnical Engineer and the hydraulic information shown on bridge plans is co-stamped by a Hydraulic Engineer. If practical, the hydraulic information and geotechnical information should be presented on separate sheets to reduce the engineering stamps on a sheet. When more than one engineering stamp is required on a sheet, the responsibilities for each engineering stamp shall be clearly defined.
2) Assemble design calculations from all designers including the final geotechnical analysis report and the hydraulic report from the geotechnical engineer and the hydraulic engineer, finalize the calculation book, and seal the cover sheet of the calculation book.
3) Ensure the names of the designer, design checker, detailer, detail checker, and reviewer are correctly shown on the title block of each plan sheet. Stamp all plan sheets or designate a designer, design checker, or reviewer who shall be licensed by the State of Louisiana as a professional engineer to stamp the sheets developed under their supervision. The EOR must stamp the general notes sheets.
4) Ensure all special provisions are accurately shown on the construction proposal. The special provisions are typically stamped by the Specification Engineer as part of the construction proposal; however, if the Specification Engineer is not qualified or not willing to stamp the special provisions, the EOR must stamp these provisions.

Phase Review

Phase Review refers to the formal review by various disciplines at various stages of the plan development process.

Project Manager (PM)

The PM is the person responsible for the planning, coordination and controlling of a project from inception to completion, meeting the project's requirements and ensuring that each project is completed on time, within budget, within scope and to required quality standards.

Project Quality Control Plan

The methods and processes defined in this manual will serve as the Project Quality Control Plan (PQCP) for each project.

Quality Assurance Certification

Quality Assurance Certification refers to a signed statement by the Project Manager certifying that a written, pre-approved Project Quality Control Plan is in place and has been adhered to.

1.3 Purpose

This Quality Control / Quality Assurance Manual is intended to establish a benchmark for effective development of quality control and to assure that quality control has been effectively implemented. The manual provides for coordinated processes which will assist project development by providing mechanisms for:

1) Identifying design considerations which DOTD experience has shown repeatedly require specific attention.
2) Providing helpful checklists developed by each major discipline for each phase of project development.
3) Providing sufficiency checklists which enumerate the items and the documents required to be submitted with phase submittals. Completion and submittal of the checklists required with each phase review is the responsibility of the designer.

The ***LADOTD Bridge Design and Evaluation Manual (BDEM)*** has the objective of obtaining uniformity and establishing standard policies and procedures in the preparation of engineering and construction plans for bridge and highway structures in Louisiana. The BDEM will be followed for all LADOTD projects regardless of project delivery methods (Design-Bid-Built, Design-Built, or other methods). Any proposed deviations from the BDEM will require approval of the LADOTD Bridge Design Engineer Administrator before implementation. Detail justifications will be submitted along with the request. Approved deviations from BDEM shall be noted on the design criteria of the project and contract plans as appropriate.

1.4 Objective

The main objective of the Quality Control process for design projects is to provide a mechanism by which all construction plans can be subject to a systematic and consistent review. The outcome of the review should create a set of quality project plans, which should be substantially error free.

A secondary objective of the Quality Control process is to provide for a well-documented "trail" of the design process. A properly documented project file should be a by-product of the quality control process. Another secondary objective of the Quality Control process is to provide information feedback from reviews to the designers.

1.5 Quality Control Processes

The Quality Control process includes:

1) Quality planning, training
2) Providing clear decisions and directions
3) Constant supervision
4) Immediate review of completed activities for accuracy and completeness
5) Documenting all decisions, assumptions, and recommendations.

In the construction plan development process, it is the clear responsibility of the designer to ensure all project elements are economical, accurate, properly prepared, coordinated, checked, and completed.

All designers and reviewers must recognize that quality is the result of several processes. It requires many individuals performing many appropriate activities at the right time during the plan's development process. Quality Control does not solely consist of a review after a product is completed. Design personnel shall follow established design policies, procedures, standards and guidelines in the preparation and review of all design products.

Section 2 - Project Quality Control Requirements

The methods and processes defined in this manual will serve as the Project Quality Control Plan (PQCP) for each project. The Project Quality Control Plan details the proposed methods or processes of providing quality control for all work products. The plan shall include, but is not limited to, the following areas:

1) Organization
2) Quality Control Reviews
3) Proposed method of documentation of comments, coordination responses and quality assurance records; and
4) Quality Assurance Certification

2.1 Plans Development Requirements for Review
Properly completed QA Checklists for all applicable disciplines, signed and dated by the checker, will be submitted with the review prints to demonstrate that all items were checked.

2.2 Conformance to CAD Standards
All plans must meet the CAD/Drafting standards as specified in the engineering contract.

2.3 Plans Reviews
In addition to plans checking, the designer will conduct a design review of all documents prior to submitting the documents to the LADOTD. This review shall include, as a minimum, the following activities:

1) Compliance with project requirements
2) Technical accuracy and adequacy
3) Compatibility with other associated project documents
4) Compliance with previous review comments

2.4 Design Documentation Requirements
To facilitate QC reviews of each project, the designer will prepare a written "Project Design Criteria Report" at the onset of the work.

Section 3 - Organization

3.1 Process
The team must be committed to the QC/QA process to ensure a quality product. The reviewing sections and individuals have specific responsibilities as part of the process.

3.2 Quality Control Responsibilities
The Project Manager is the person responsible for the planning, coordination and controlling of a project from inception to completion, meeting the project's requirements and ensuring that each project is completed on time, within budget and to required quality standards. The PM ensures that all phase reviews have occurred and have been completed, that all comments have been satisfactorily addressed and that all forms and checklists have been completed by the appropriate personnel. The PM is ultimately responsible for each project’s adherence to the quality control plan.

The Engineer of Record is responsible for accuracy and completeness of the plans and related designs prepared for the project. The designer is responsible for the quality of work of each person involved in the efforts to bring individual projects to production readiness.

Section 4 - Quality Control Reviews

4.1 Design Review Requirements

Design review checklists included in this guideline are intended to assist the designer in preparing an adequate submittal. The sufficiency checklists included in the guideline establishes the submittal requirements which must be met to satisfy the documentation requirements for each project.

4.2 General

The reviewer will be an experienced engineer who was not actively involved in the preparation of the product.

4.3 Phase reviews

4.3.1 Review process

At each submittal stage, the Project Manager will review the submittal for the degree of completeness required by that phase. Plans will be returned to the designer if they are incomplete, which could cause delays to the project's schedule.

4.3.2 Review Reports

Comments from phase reviews can be in the form of marked-up plans, meeting minutes (as in a plan-in-hand review meeting) or review memoranda. It is the responsibility of each reviewer to ensure that their comments are submitted to and recorded with the Project Manager. It is the Project Manager's responsibility to compile comments, document the comments and distribute the comments to the designer and others if necessary. It is then the designer's responsibility, in consultation with the Project Manager, to review the comments and to determine how each comment will be addressed. The designer will prepare a formal response to the PM stating how the comment will be addressed. The Project Manager will forward these responses to the appropriate reviewer and will ensure that all comments and responses have been documented in the project files. It is the designer's responsibility to ensure that comments are incorporated into the construction plans as appropriate.

4.3.3 Checking Drawings

Drawings are prepared under the direction of an assigned designer. They are developed progressively by an interactive process using sources of information such as survey data, reports, record data, preliminary sketches, samples, official maps, etc., in conformance with the requirements, design criteria, and standards and guidelines required by DOTD.

Section 5 - Method of Documentation of Comments, Coordination and Responses

5.1 Documentation of Comments and Responses

All comments made by phase reviewers shall be recorded either by copy of memos, e-mail, letters and/or marked plans received from the reviewers. In the event that comments are received through meetings with reviewers, there shall be minutes prepared that summarize the comments received. Copies of all comments and responses shall be kept in the project files.

5.2 Requests for Changes to the Scope

The PM and the designer shall evaluate comments or requests that are not covered in the "Final Project Scope."

Section 6 - Quality Assurance

6.1 General

QA does not include only periodic reviews to ensure compliance with the QC process, but also includes review of several other established processes. The Project Manager shall ensure that appropriate levels of review (and cooperativeness in the review process) have occurred for:

1) Constructability
2) Bidability
3) Value Engineering
4) Project Documentation

QA also incorporates a general review of personnel to ensure an acceptable level of expertise is maintained for quality design products. Communication is also a vital element in all processes. QA includes the review of the level and quality of communications and documentation accomplished during the various processes.

References

Louisiana Department of Transportation and Development *"Construction Plans Quality Control/Quality Assurance Manual"*

22. **Sub-consultant information:**

If one or more sub-consultants will be used, provide the name, address, point of contact and phone number for each. Otherwise, leave this section blank.

Firm Name (as registered with Louisiana's Secretary of State)	**Address**	**Point of Contact and email address**	**Phone Number**
SJB Group, LLC.	PO Box 1751 Baton Rouge, LA 70821	Karen Kennedy, P.E. karen.kennedy@sjbgroup.com	(225) 769-3400
ELOS Environmental	607 W. Morris Ave., Hammond, LA 70403	Lucas Watkins, lwatkins@elosenv.com	(985) 662-5501

(Add rows as needed)

23. **Location:**

If location is an evaluation criterion for this advertisement and the prime consultant intends to establish a local presence, describe the plan for doing so. Otherwise, leave this section blank.

Not Applicable.

LED | LOUISIANA ECONOMIC DEVELOPMENT

DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Infinity Engineering Consultants, LLC

is Certified-Active as a Small Entrepreneurship with
Louisiana Economic Development's Hudson Initiative.

This certification is valid from 7/22/2022 to 7/22/2023 .

Certification No. 8402

Stephanie Hartman,
Director, Small Business Services

RTA

Regional Transit Authority

November 7, 2022

INFINITY ENGINEERING CONSULTANTS, LLC
Attn : Raoul Chauvin
4001 Division Street
Metairie, La 70002

Dear Mr. Chauvin:

The Regional Transit Authority (RTA) have received your firm's Disadvantaged Business Enterprise **(DBE)** and Small Business Enterprise **(SBE)** annual affidavit. Based on the information, which you provided, it has been confirmed that your firm continues to meet the eligibility requirements of our program and remains certified for **only** the following **specific** work categories **that fall under the listed NAICS and/or DOTD Work codes**:

NC541330	**Engineering Services**
C10	**Management**
C09	**Civil Engineering**
C07	**Electrical Engineering**
C05	**Structural Engineering**
C02	**Mechanical Engineering**

Please note that per the federal regulations, suppliers only receive 60% goal credit towards the materials they provide. Also, note that any contractor performing work in excess of $50,000 with the exception of electrical, mechanical and plumbing requires A Louisiana Contractor's License, which are required to have a license if work is in excess of $10,000. You may contact the State Licensing Board for Contractors at (225) 765-2301 for more information. All participants of the Louisiana Unified Certification Program will recognize your firm's certification. This includes all entities receiving federal transportation funding within the boundaries of our state.

You will be required to submit an annual affidavit with all supporting documents (**Business taxes with all attachments, such as 1098, 1099, K-1's and/or W-2's**) stating your firm continues to meet the eligibility requirements of the program. An email informing you to submit the necessary documentation will be forwarded to you approximately six (6) weeks prior to your anniversary date of **November 30, 2023**. However, should you not receive notification from this office for your annual affidavit; it is your responsibility to contact us. Additionally, you must notify our office immediately regarding any changes, which affect the social and economic disadvantage, size, ownership or control of your firm.

RTA

Regional Transit Authority

The LADOTD has contracted with Urban League of Louisiana Center for Entrepreneurship & Innovation to provide DBE Supportive Services to all certified DBEs, in the LAUCP, at no cost to you. This consultant can offer your firm assistance and guidance on areas such as marketing, estimating, bidding, financial preparations, etc. Contact Klassi Duncan with Urban League of Louisiana Center for Entrepreneurship and Innovation at (504) 620-9647 for any assistance needed to grow your organization.

We reserve the right to withdraw this certification, if at any time, it is determined that **DBE and SBE** certifications was knowingly obtained by the submission of false, misleading, or incorrect data. We further reserve the right to request additional information and/or conduct an on-site visit at any time during your certification period.

We are pleased to have you as a participant in the LAUCP and wish you much success. If you have any questions regarding the content of this letter, contact the RTA DBE Office at (504) 827-8362.

Kind regards,

Keziah L. Cawthorne

Keziah L. Cawthorne
DBE Program Administrator II

Enclosure (Certificate)

RTA

DOTD
LOUISIANA DEPARTMENT OF TRANSPORTATION & DEVELOPMENT

LOUIS ARMSTRONG NEW ORLEANS INTERNATIONAL AIRPORT

LOUISIANA UNIFIED CERTIFICATION PROGRAM

Disadvantaged Business Enterprise Program

This is to certify that under Title 49, Part 26 of the Code of Federal Regulations & Under the State of Louisiana United Certification Program (LAUCP)

Infinity Engineering Consultants, LLC

Is a Certified Disadvantaged Business Enterprise (DBE) in the following specialties:

541330

NOTE: There may be other approved NAICS Codes. The online DBE Directory includes a complete list of approved codes.

Certificate Eligibility: November 30, 2022- November 30, 2023

This certificate is valid through the above date provided. This firm meets the on-going programmatic standard and fulfills the annual update requirement to remain in good standing as a DBE. This certification is subject to annual verification and suspension or revocation based upon reasonable cause to believe that the firm is ineligible.

Keziah L. Cawthorne

Keziah L. Cawthorne, DBE Program Administrator II

Regional Transit Authority