

QUALIFICATIONS AND CREDENTIALS

2750 Lake Villa Drive
Metairie, LA 70002
www.n-yassociates.com



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Independence Park Drainage Pump Station Resolution No. 144443



Presented To:
Jefferson Parish



August 29, 2024

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- TEC Professional Services Questionnaire



1. N-Y TEAM INTRODUCTION

- **Cover Letter**
- **N-Y Team Organizational Chart**



Reply to Metairie Office

August 29, 2024

MICHAEL F. NICOLADIS
CONSTANTINE F. NICOLADIS, P.E.
JAMES E. SIMMONS, P.E.
MICHAEL G. BUISSON, JR., ARCHITECT, AIA
BRUCE J. RICHARDS, AICP, PTP
KRISTIN H. PEARCE, CPA, MBA

PRESIDENT
SENIOR VICE PRESIDENT
VICE PRESIDENT
VICE PRESIDENT
VICE PRESIDENT

FRANK NICOLADIS, P.E. CHAIRMAN, FOUNDER

ESTABLISHED 1969

Jefferson Parish Council
c/o Mark Buttery, Purchasing Specialist II
200 Derbigny Street
General Government Bld., Suite 4400
Gretna, LA 70053

**Re: Independence Park Drainage Pump Station
Resolution No. 144443**

Ladies and Gentlemen:

N-Y Associates, Inc. (N-Y) is pleased to submit our statement of qualifications to provide Engineering Services for Independence Park Drainage Pump Station Project in Jefferson Parish.

BACKGROUND:

Although N-Y Associates, Inc. is sometimes mistaken for "New York", N-Y is actually a fifty-five (55) year-old family owned, multi-discipline firm founded and headquartered in Jefferson Parish. Offering extensive local experience, N-Y has been providing engineering, architecture, planning and project management services to federal, state, regional, parish and city agencies throughout southern Louisiana since 1969. Our staff includes civil, hydraulic and structural engineers; project managers; urban planners; construction inspectors and technical support personnel, each of whom offers relevant experience providing professional services on drainage projects throughout the Parish.

N-Y has worked extensively throughout Jefferson Parish since its inception. Our public agency clients include the Parish, the Jefferson Parish Sheriff's Office, the Jefferson Parish School Board, the City of Kenner, LADOTD, and the Regional Planning Commission. This longevity of experience has provided N-Y with extensive knowledge of the design criteria, system of approvals, and construction methods unique to infrastructure in this area.

TEAM:

Mr. Constantine F. Nicoladis, PE, Senior Vice President and Civil & Hydraulic Engineer, will serve as Project Manager. He has 37 years of experience and is in responsible charge of the design and construction engineering of the firm's Parish and municipal drainage work. Mr. Nicoladis has extensive experience with drainage pumping stations, major subsurface drainage improvements, drainage canals, box culverts, utilities relocation and roadway reconstruction in Jefferson and Orleans Parishes, with construction values from under \$5 million to over \$50 million.

Mr. Nicoladis will be supported by a team of senior engineers and engineering technicians with over twenty (20) years average experience, including James E. Simmons, PE; Fred Mortali, PE; Neil Logan, PE; William Haensel, PE, PLS; Patricia Claverie, EI, MS; and Dennis Voss, NICET. Most of these professionals have been with N-Y over twenty (20) years and have successfully completed many drainage projects throughout Southeast Louisiana.

To supplement our in-house staff, we will utilize the following subconsultant firms, each of which have extensive experience working with N-Y in Jefferson Parish.

- IMC Consulting Engineers, Inc. will provide all required mechanical (ancillary systems) and electrical engineering.
- BFM Corporation, LLC will provide all required topographic surveying.
- Gulf South Engineering and Testing, Inc. will provide all required geotechnical engineering.

The N-Y Team Organization Chart is provided following this cover letter.

CONCLUSION:

Should we be selected, **Frank Nicoladis, PE** and I will ensure that the resources of N-Y and our subconsultants are efficiently utilized to provide you with excellent service, that your project's schedule and budget are met, and that N-Y's quality control plan is properly implemented.

The **N-Y Team** offers a proven combination of specialized local experience, technical competence, capacity, and record of past performance that will provide Jefferson Parish with the best possible value for these projects. We look forward to a favorable review of our qualifications.

Sincerely,

N-Y ASSOCIATES, INC.



Michael F. Nicoladis
President

N-Y TEAM ORGANIZATION CHART



Independence Park Drainage Pump Station
Jefferson Parish, LA
Resolution No. 144443

Principal / Project Oversight

N-Y Associates, Inc.
Frank Nicoladis, PE

Project Management

N-Y Associates, Inc.
Constantine Nicoladis, PE, Project Manager
Michael Nicoladis, EI, MBA, Contract Manager

Topographic Surveying

BFM Corporation, LLC
Ralph Fontcuberta, Jr., PLS
Gary Lambert, PLS
John Thayer, Field Operations
Chris Lemley, Crew Chief

Civil, Hydraulic & Structural Engineering

N-Y Associates, Inc.
Constantine Nicoladis, PE
Fred Mortali, PE
James Simmons, PE
Neil Logan, PE
William Haensel, PE, PLS
Mark H. Gonski, PE
Patricia Claverie, EI, MS
Dennis Voss, NICET

Mechanical & Electrical Engineering

IMC Consulting Engineers, Inc.
Richard Nichols, PE
Paul Vlosich, PE
Eugene "Chip" Higbee, PE
Matt Wender, PE

Geotechnical Engineering

Gulf South Engineering and Testing, Inc.
Chad Poche, PE
Bryson S. Beard, EI
Joseph Binder, III
Eric A. Paille, CET, ACI

Resident Inspection

N-Y Associates, Inc.
Johnny Thompson, QAR
Stanley Mitchell, QAR

Note: N-Y engineers Frank Nicoladis, PE; James E. Simmons, PE; Constantine F. Nicoladis, PE; Fred Mortali, PE; William Haensel, PE, PLS; and Neil D. Logan, PE each have significant experience in the design and specification of pumps, engines, motors, and gear drives for drainage pump stations from 100 cfs to 2000 cfs.



2. N-Y ASSOCIATES, INC. Prime Consultant

- TEC Professional Services Questionnaire
- Letters of Recommendation

TEC PROFESSIONAL SERVICES QUESTIONNAIRE



A. Project Name and Advertisement Resolution Number:
 Independence Park Drainage Pump Station
 Resolution No. 144443

B. Firm Name & Address where Project work will be performed:
 N-Y Associates, Inc.
 2750 Lake Villa Drive
 Metairie, LA 70002

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana
 Frank Nicoladis, PE
 TEL No.: (504) 885-0500
 FAX No.: (504) 885-0595
fnicoladis@n-yassociates.com

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.
 Constantine F. Nicoladis, PE
 TEL No.: (504) 885-0500
 FAX No.: (504) 885-0595
cnicoladis@n-yassociates.com

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

2	Administrative	*	Estimators	**	Specification Writers
4	Architects (Licensed)	--	Geologists	4	Structural Engineers
--	Chemical Engineers	--	Geotechnical Engineers	--	Graduate Engineers
5	Civil Engineers	--	Interior Designers	--	Project Managers
3	Construction Inspectors	--	Landscape Architects	--	Clerical
--	Ecologists	--	Land Surveyor	--	Grant/Funding Specialist
--	Electrical Engineers	--	Mechanical Engineers	***	Sanitary Engineers
2	Engineer Intern (Civil)	--	Environmental Engineers	****	Transportation Engineers
--	Professional Land Surveyors	1	Planners Urban/Regional	2	CAD Operators
				1	Eng. Technicians (Civil)
				24	TOTAL

* ***N-Y senior technical personnel prepare estimates.***
 ** ***N-Y senior technical personnel write specifications.***
 *** ***N-Y Sanitary Engineers are included in Civil Engineers.***
 **** ***N-Y Transportation Engineers are included in Civil and Structural Engineers***

F. Is this submittal by a JOINT-VENTURE? Please check: YES NO
 If marked "No" skip to Section I. If marked "yes" complete Sections G-H.

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including

	administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
	N/A		
H.	Has this JOINT-VENTURE previously worked together? Please check: YES <input type="checkbox"/> NO <input type="checkbox"/> N/A		
I.	List all subcontractors anticipated for this Project. Please note that <u>all subcontractors must submit a fully completed copy of this questionnaire</u> , applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
	Name and Address:	Specialty:	Worked with Firm Before (Yes or No):
1.	IMC Consulting Engineers, Inc. 3120 20th Street Metairie, LA 70002	Mechanical (ancillary systems) & Electrical Engineering	Yes
2.	BFM Corporation, LLC 15 Veterans Memorial Boulevard Kenner, LA 70062	Topographic Surveying	Yes
3.	Gulf South Engineering and Testing, Inc. 15 Veterans Memorial Boulevard Kenner, LA 70062	Geotechnical Engineering	Yes
J.	Please specify the total number of support personnel that may assist in the completion of this Project: _____ 16 _____		

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:	
Constantine F. Nicoladis, PE – Senior Vice President	
Project Assignment:	
Project Manager / Senior Civil and Hydraulic Engineer	
Name of Firm with which associated:	

N-Y Associates, Inc.
 Years' experience with this Firm:

37 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1985/Vanderbilt University/Civil and Environmental Engineering
Master of Business Administration/1987/Loyola University

Active registration: Year first registered/discipline:

LA (27095)/1997/Civil Engineering	MS (13351)/1997/Civil Engineering	TX (92359)/2003/Civil Engineering
FL (052242)/1997/Civil Engineering	AL (22315)/1998/Civil Engineering	NY (094123)/2014/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Nicoladis has 37 years of experience, with particular emphasis on drainage systems (including subsurface drainage, canals and pumping stations), levees, floodwalls, flood control structures, water and sewage utilities, and street and roadway reconstruction projects. He has extensive experience working with public and private clients at the local, state and federal level.

Drainage Pump Station Experience:

New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA: A new 1200 CFS pumping station with two, 600 CFS horizontal pumps driven by diesel engines through gear reducers.

Westwego No. 2 Drainage Pumping Station; Westwego, LA: A new 936 CFS pump station with diesel driven, vertical pumps; levee improvements; and a pile-supported concrete floodwall. Procurement and installation of an additional (third) 320 CFS electric powered, vertical pump.

Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA: Preparation of the Design Report and Plans & Specifications to provide fronting protection across the entire width of the pumping station discharge areas. The designs consisted of a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes.

1000 CFS Addition to Drainage Pumping Station No. 11 for the Sewerage & Water Board of New Orleans: A 10,000 SF pump house, two 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two I-walls and one T-wall along with improvements to the levee along the Gulf Intracoastal Waterway.

Interim 2100 CFS Drainage Pumping Station at the 17th Street Canal for the U. S. Army Corps of Engineers (post-Katrina): Design and Engineering During Construction of the pump platforms, engine buildings and discharge piping for this 2,100 cfs station. The pump station consists of two pump platforms, each consisting of six pumps located on either side of the 17th Street Canal. N-Y was the design engineer of record as a subconsultant to another firm.

Willowdale Drainage Pumping Station; St. Charles Parish, LA: A new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals.

Main Street Drainage Improvements; Plaquemines Parish, LA: New subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River.

East St. John High School Drainage Pumping Station; St. John the Baptist Parish, LA: A flood protection system around East St. John High School with interior drainage improvements and utility relocations.

Persimmon Street and Joan of Arc Area Drainage Improvements; St. John the Baptist Parish, LA: a 150 hp duplex submersible pump station, subsurface drainage, 16" diameter drainage force main and related utility relocations.

Riverlands Area Drainage Improvements; St. John the Baptist Parish, LA: Three (3) duplex submersible drainage pump stations, subsurface drainage and related utility relocations.

Persimmon Street Pumping Station; St. John the Baptist Parish, LA: Modifications to an existing 25 CFS drainage pumping station and the permitting and installation of a 16" diameter force main parallel to an existing 12" diameter force main discharging into the Mississippi River.

Reserve Relief ("Homewood") Drainage Pumping Station; St. John the Baptist Parish, LA: A 100 CFS pumping station based on hydraflow hydraulic pumps which eliminate the need for costly structures. The project also included a levee across the Reserve Relief Canal.

750 CFS Interim Pump Facility at the East of Harvey Sector Gate Structure; Jefferson Parish, LA: Mr. Nicoladis provided civil engineering services for the Design and Engineering during Construction of a 750 CFS interim pump station facility with pumps and engines provided by the Government. The design included the support structure and lateral bracing for the temporary pumps to be located within the Sector Gate Structure East side gatebay recess, location and support for discharge piping and discharge pipes, diesel engine and fuel storage platform, fuel transfer systems, connecting hydraulic and water lines and their support structure, lighting, generator and all other mechanical and electrical components.

Interior Drainage Experience:

Duncan Canal Improvements at West Esplanade Avenue; Kenner, LA: A Hydraulics Study and Preliminary & Final Design of a double barrel, 3000 CFS, 340 LF box culvert which will replace the existing bridges crossing the Duncan Canal.

Bunche Village Subdivision Infrastructure Improvements; Jefferson Parish, LA: CDBG funded street and subsurface drainage improvements in the Bunche Village Subdivision.

Maplewood/Paillet Subdivision Infrastructure Improvements; Jefferson Parish, LA: CDBG funded street and subsurface drainage improvements in the Maplewood/Paillet Subdivision.

Improvements to Drainage Canal No. 3; Jefferson Parish, LA: Improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving & 4000 CFS capacity.

Improvements to Suburban Drainage Canal; Sections 1, 2, 3, 4 and 5; Jefferson Parish, LA: A Hydraulic Analysis and Preliminary & Final plans for 3 box culverts at I-10, measuring 11' x 20' each; 4 box culverts at Veterans Blvd., measuring 11' x 21' each; a concrete flume section with a bottom width of 40' and a design flow of 3,000 CFS & a concrete flume section with a bottom width of 74' and a design flow of 3,600 CFS.

ARFF Perimeter Road, Stage 1 at Louis Armstrong New Orleans International Airport (Duncan Canal Box Culvert); Kenner, LA: A 10,600 LF roadway on top of a reinforced box culvert. The box culvert enclosed approx. 6,300 LF of the Duncan Drainage Canal and consists of a 900 LF segment containing two 9' x 9' reinforced concrete box culverts and a 5,400 LF segment containing a double barrel, 11' h x 44' w reinforced concrete box culvert.

1077/1085 Drainage Study; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for this 12,500 acre area, utilizing HEC-RAS.

Brewster Road/LA 1077 Detention Pond; St. Tammany Parish, LA: H&H Modeling utilizing SWMM & HEC-RAS and Design for a 10-acre detention pond including drainage improvements to facilitate connectivity to the pond and new subsurface drainage along Brewster Road.

Tantella Ranch/McGee Road Drainage Report; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for a 1,780 acre area on Tantella Ranch Road, utilizing SWMM.

Alton Area Drainage; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements to alleviate street and nuisance flooding in the Alton Subdivision, utilizing SWMM. Design for Phase I of the proposed drainage improvements.

Flood Protection Experience:

WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA: 3000 LF of new levees, 1840 LF of new floodwalls (T-walls up to 20' high), 2 - 16' wide swing gates, and 2 - "waskey-type" bridges to current HSDRSS criteria.

West Shore Lake Pontchartrain, WSLP-109, Levees and Floodwalls; St. Charles Parish, LA: The work includes: 5580 LF of new levee, 354 LF of T-wall crossing over nine (9) pipelines, transition floodwalls tying the T-wall into the levee section, multiple T-wall monoliths up to 11' high designed to current HSDRSS criteria; and a multi-culvert crossing of the interior drainage canal at the access road.

Hoey's Basin Pump to the River Project; Jefferson Parish, LA: Engineering Feasibility, Hydraulic Modeling and Conceptual Cost Estimates evaluating a new drainage pump station in the 2,400 acre Jefferson Parish portion of the 10,000 acre Hoey's Drainage Basin. Alternatives included a 1600 CFS station (with a 13' diameter, 5400 LF discharge force main) expandable to 2400 CFS and a 1000 CFS station with a detention pond for interim stormwater storage.

Bayou Segnette Complex Flood Protection: 56' Wide Navigable Sector Gate, Floodwalls, Levee & Pump Station; Jefferson Parish, LA: Replacement of the existing flood protection system from Bayou Segnette Pumping Station to Westwego Pumping Station No. 2 with new protection designed to the USACE Case 1 - 100 year level of protection.

Memberships & Associations:

- American Society of Civil Engineers
- Society of American Military Engineers
- Water Environment Federation
- American Concrete Institute
- American Council of Engineering Companies



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LPELS)

9643 Brookline Avenue, Suite 121

Baton Rouge, LA 70809

Phone (225) 925-6291

www.lapels.com

Mr. Constantine Frank Nicoladis

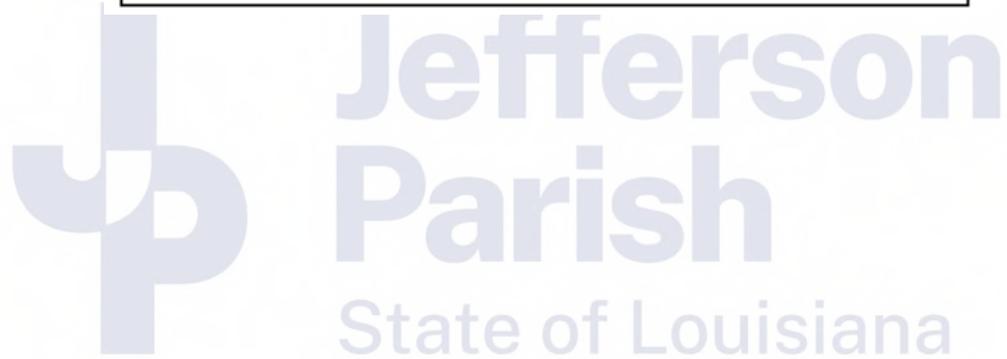
License/Certificate Type - Number

PE.0027095

Expiration Date

09/30/2025

Status: **Active**



KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Frank Nicoladis, PE - Chairman / Founder

Project Assignment:

Principal and Project Oversight / Civil and Hydraulic Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

55 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1957/Mississippi State University/Civil Engineering

Active registration: Year first registered/discipline:

LA (5924)/1957/Civil Engineering	MS (2468)/1961/Civil Engineering	TX (32329)/1971/Civil Engineering
FL (36371)/1985/Civil Engineering	AR (3373)/1972/Civil Engineering	LA (2862)/1957/Surveying (retired)

Other experience and qualifications relevant to the proposed Project:

Mr. Nicoladis has over 60 years of experience as a consulting engineer, over 50 years as President of N-Y. Mr. Nicoladis has served as a Principal-in-Charge for many N-Y projects undertaken for public agencies at the federal, state and local levels. His role is to ensure that the client's expectations of the firm are fully achieved, that projects are adequately staffed, that the firm's quality control standards are adhered to during the design process and that the client's schedule and budget are met.

Drainage Pump Station Experience:

New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA: A new 1200 CFS pumping station with two, 600 CFS horizontal pumps driven by diesel engines through gear reducers.

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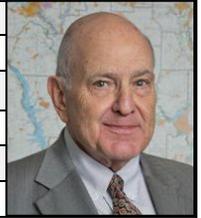
Main Street Drainage Improvements; Plaquemines Parish, LA: New subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River.

East St. John High School Drainage Pumping Station; St. John the Baptist Parish, LA: A new elevated pump station including three 20" pumps, with a capacity of 20,000 gpm (45 CFS), and a back-up generator. The pump station is automated to utilize 1, 2, or 3 pumps as necessary to maintain the desired water level.

Persimmon Street and Joan of Arc Area Drainage Improvements; St. John the Baptist Parish, LA: a 150 hp duplex submersible pump station, subsurface drainage, 16" diameter drainage force main and related utility relocations.

Riverlands Area Drainage Improvements; St. John the Baptist Parish, LA: Three (3) duplex submersible drainage pump stations, subsurface drainage and related utility relocations.

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Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): Drainage improvements consisting of a 4400 LF covered reinforced concrete canal along Jefferson Avenue including roadway replacements and major utility relocations.

Claiborne Avenue Manifold Canal, from LA Avenue to Jena Street for the Sewerage & Water Board of New Orleans. (SELA Project): A single-barrel, 10'h x 24'w concrete box culvert from Jena St. to the west & a single barrel 10' h x 14' w concrete box culvert from Louisiana Avenue to the east, with a capacity of approx. 2000 CFS in the median of S. Claiborne Avenue (US 90).

Flood Protection Experience:

WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA: 3000 LF of new levees, 1840 LF of new floodwalls (T-walls up to 20' high), 2 - 16' wide swing gates, and 2 - "waskey-type" bridges to current HSDRSS criteria.

West Shore Lake Pontchartrain, WSLP-109, Levees and Floodwalls; St. Charles Parish, LA: The work includes: 5580 LF of new levee, 354 LF of T-wall crossing over nine (9) pipelines, transition floodwalls tying the T-wall into the levee section, multiple T-wall monoliths up to 11' high designed to current HSDRRS criteria; and a multi-culvert crossing of the interior drainage canal at the access road.

Hurricane Protection Alignments, Westbank & Vicinity: A. Reconnaissance-Level Study, B1. WBV-72 Lake Cataouatche Levee, B2. WBV-74 Western Tie-In Closure Structure at Bayou Verret (Sellers Canal); Jefferson and St. Charles Parishes, LA: A. Reconnaissance-level study for hurricane protection alignments, raised to FEMA 100 year future case (2057) level of protection. **B1.** 12,450 LF of earthen levee, 2 concrete access bridges, a drainage feature in the Davis Pond Guide Levee, & a new drainage path for Jefferson Parish's pump station. **B2.** A 56' wide navigable sector gate; by-pass channel; 450 LF of T-wall; 1700 LF of earthen levee; 5 gate sluice structure & permanent access road.

Memberships & Associations:

- Fellow, Society of American Military Engineers
- Fellow/Life Member, American Society of Civil Engineers
- Fellow, American Council of Engineering Companies
- Life Member, American Waterworks Association
- Life Member, American Public Works Association
- Life Member, Louisiana Engineering Society
- Water Environment Federation
- National Society of Professional Engineers
- American Planning Association
- Who's Who in Engineering (AAES)
- Who's Who in the South and Southwest (Marquis)



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LPELS)

9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Frank Nicoladis

License/Certificate Type - Number

PE.0005924

Expiration Date

03/31/2025

Status: **Active**



Jefferson
Parish

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Michael F. Nicoladis, EI, MBA - President

Project Assignment:

Principal / Project & Subconsultant Management

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

40 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1982/Vanderbilt University/Civil Engineering (Magna Cum Laude)**Master of Business Administration/1984/Duke University (Fuqua Scholar)**

Active registration: Year first registered/discipline:

LA (8705)/1982/Engineering Intern

Other experience and qualifications relevant to the proposed Project:

Mr. Nicoladis has had a variety of design, construction administration and project management experience since joining the firm in 1984. As President, he is responsible for overseeing the daily operations and administration of N-Y. He is instrumental in new business development, contract negotiations, and scheduling of work. Mr. Nicoladis also serves as a Principal on many projects and plays a major role in overseeing the firm's client management program.

Drainage Pump Station Experience:

New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA: Design, bidding, construction administration and resident inspection for a new 1200 CFS pumping station with two, 600 CFS horizontal pumps driven by diesel engines through gear reducers.

Westwego No. 2 Drainage Pumping Station; Westwego, LA: A new 936 CFS pump station with diesel driven, vertical pumps; levee improvements; and a pile-supported concrete floodwall. Procurement and installation of an additional (third) 320 CFS electric powered, vertical pump.

Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA: Preparation of the Design Report and Plans & Specifications to provide fronting protection across the entire width of the pumping station discharge areas. The designs consisted of a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes.

Interim 2100 CFS Drainage Pumping Station at the 17th Street Canal for the USACE (post-Katrina): Design and Engineering During Construction of the pump platforms, engine buildings and discharge piping for this 2,100 cfs station. The pump station consists of two pump platforms, each consisting of six pumps located on either side of the 17th Street Canal. N-Y was the design engineer of record as a subconsultant to another firm.

1000 CFS Addition to Drainage Pumping Station No. 11 for the Sewerage & Water Board of New Orleans: A 10,000 SF pump house, two 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two I-walls and one T-wall along with improvements to the levee along the Gulf Intracoastal Waterway.

Willowdale Drainage Pumping Station; St. Charles Parish, LA: A new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals.

Persimmon Street and Joan of Arc Area Drainage Improvements; St. John the Baptist Parish, LA: a 150 hp duplex submersible pump station, subsurface drainage, 16" diameter drainage force main and related utility relocations.

Riverlands Area Drainage Improvements; St. John the Baptist Parish, LA: Three (3) duplex submersible drainage pump stations, subsurface drainage and related utility relocations.

Persimmon Street Pumping Station; St. John the Baptist Parish, LA: Modifications to an existing 25 CFS drainage pumping station and the permitting and installation of a 16" diameter force main parallel to an existing 12" diameter force main discharging into the Mississippi River.

Reserve Relief ("Homewood") Drainage Pumping Station; St. John the Baptist Parish, LA: A 100 CFS pumping station based on hydraflow hydraulic pumps which eliminate the need for costly structures. The project also included a levee across the Reserve Relief Canal.

Hoey's Basin Pump to the River Project; Jefferson Parish, LA: Engineering Feasibility, Hydraulic Modeling and Conceptual Cost Estimates evaluating a new drainage pump station in the 2,400 acre Jefferson Parish portion of the 10,000 acre Hoey's Drainage Basin. Alternatives included a 1600 CFS station (with a 13' diameter, 5400 LF discharge force main) expandable to 2400 CFS and a 1000 CFS station with a detention pond for interim stormwater storage.



Bayou Segnette Complex Flood Protection: 56' Wide Navigable Sector Gate, Floodwalls, Levee & Pump Station; Jefferson Parish, LA: The replacement of the existing flood protection system from Bayou Segnette Pumping Station to Westwego Pumping Station No. 2 with new protection designed to the USACE Case 1 - 100 year level of protection.

Interior Drainage Experience:

Duncan Canal Improvements at West Esplanade Avenue; Kenner, LA: A Hydraulics Study and Preliminary & Final Design of a double barrel, 3000 CFS, 340 LF box culvert which will replace the existing bridges crossing the Duncan Canal.

Improvements to Suburban Drainage Canal; Sections 1, 2, 3, 4 and 5; Jefferson Parish, LA: N-Y prepared preliminary plans for 3 box culverts at Interstate 10, measuring 11' x 20' feet each; 4 box culverts at Veterans Boulevard, measuring 11' x 21' each; a concrete flume section with a bottom width of 40' and a design flow of 3,000 CFS and a concrete flume section with a bottom width of 74' and a design flow of 3,600 CFS.

Improvements to Drainage Canal No. 3; Jefferson Parish, LA: Improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving & a capacity of 4000 CFS.

Bunche Village Subdivision Infrastructure Improvements; Jefferson Parish, LA: CDBG funded street and subsurface drainage improvements in the Bunche Village Subdivision.

Maplewood/Paillet Subdivision Infrastructure Improvements; Jefferson Parish, LA: CDBG funded street and subsurface drainage improvements in the Maplewood/Paillet Subdivision.

ARFF Perimeter Road, Stage 1 at Louis Armstrong New Orleans International Airport (Duncan Canal Box Culvert); Kenner, LA: A 10,600 LF roadway on top of a reinforced box culvert. The box culvert enclosed approx. 6,300 LF of the Duncan Drainage Canal and consists of a 900 LF segment containing two 9' x 9' reinforced concrete box culverts and a 5,400 LF segment containing a double barrel, 11' h x 44' w reinforced concrete box culvert.

Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): Drainage improvements consisting of a 4400 LF covered reinforced concrete canal along Jefferson Avenue including roadway replacements and major utility relocations.

Claiborne Avenue Manifold Canal, from LA Avenue to Jena Street for the Sewerage & Water Board of New Orleans. (SELA Project): A single-barrel, 10'h x 24'w concrete box culvert from Jena St. to the west & a single barrel 10' h x 14' w concrete box culvert from Louisiana Avenue to the east, with a capacity of approx. 2000 CFS in the median of S. Claiborne Avenue (US 90).

Master Drainage Plan for St. John the Baptist Parish, LA: As a major subconsultant to another firm, N-Y prepared a master drainage plan for the east and west banks of St. John (32 drainage basins; 125,000 acres total).

1077/1085 Drainage Study; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for this 12,500 acre area, utilizing HEC-RAS.

Jones Creek Area Drainage Improvements; Franklinton, LA: Development of a HEC-RAS hydraulic computer model of the 213 acre Jones Creek Drainage Basin. Design for an earthen channel measuring 1500 LF and concrete flume sections measuring 3800 LF to improve flow capacities on Jones Creek and the Jones Creek Lateral.

LA 1088 Interchange, Route I-12; St. Tammany Parish: Addition of a fully directional interchange to I-12 at LA 1088. Drainage design included 24", 36", 42", 54", 60" & 72" diameter reinforced concrete & reinforced concrete arch pipes.

Flood Protection Experience:

Hurricane Protection Alignments, Westbank & Vicinity: A. Reconnaissance-Level Study, B1. WBV-72 Lake Cataouatche Levee, B2. WBV-74 Western Tie-In Closure Structure at Bayou Verret (Sellers Canal); Jefferson and St. Charles Parishes, LA: A. Reconnaissance-level study for hurricane protection alignments, raised to FEMA 100 year future case(2057) level of protection. **B1.** 12,450 LF of earthen levee, 2 concrete access bridges, a drainage feature in the Davis Pond Guide Levee, & a new drainage path for Jefferson Parish's pump station. **B2.** A 56' wide navigable sector gate; by-pass channel; 450 LF of T-wall; 1700 LF of earthen levee; 5 gate sluice structure & permanent access road.

Mississippi River Manchac Levee Enlargement; East Baton Rouge and Iberville Parishes, LA: Raising 15,600 LF of Mississippi River Levee to the authorized grade above the flow line and realignment of the levee centerline to salvage existing concrete slope paving within the existing right-of-way.

Memberships & Associations:

- American Society of Civil Engineers
- Society of American Military Engineers
- American Council of Engineering Companies
- American Public Works Association
- American Concrete Institute
- Tau Beta Pi
- Chi Epsilon
- Who's Who in America (Marquis)
- Who's Who in Science and Engineering (Marquis)
- Who's Who in Finance and Industry (Marquis)



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD

(LPELS)

9643 Brookline Avenue, Suite 121

Baton Rouge, LA 70809

Phone (225) 925-6291

www.lapels.com

Mr. Michael F. Nicoladis

License/Certificate Type - Number

EI.0008705

Expiration Date

09/30/2025

Status: **Active**



Jefferson
Parish

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

James E. Simmons, PE - Vice President

Project Assignment:

Senior Civil and Structural Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

30 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1977/Louisiana State University/Civil Engineering

Active registration: Year first registered/discipline:

LA (19891)/1981/Civil Engineering MS (10842)/1990/Civil Engineering TX (134194)/2019/Civil Engineering**FL (39890)/1988/Civil Engineering NY (094047)/2014/Civil Engineering**

Other experience and qualifications relevant to the proposed Project:

Mr. Simmons has 47 years of progressively responsible engineering experience, with particular emphasis on drainage systems (including canals and pumping stations), levees, floodwalls, flood control structures, sewerage facilities, ports, and industrial facilities, street and paving projects, highways and bridges.

Drainage Pump Station Experience:

New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA: A new 1200 CFS pumping station with two, 600 CFS horizontal pumps driven by diesel engines through gear reducers.

Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA: Preparation of the Design Report and Plans & Specifications to provide fronting protection across the entire width of the pumping station discharge areas. The designs consisted of a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes.

Interim 2100 CFS Drainage Pumping Station at the 17th Street Canal for the U. S. Army Corps of Engineers (post-Katrina): Design and Engineering During Construction of the pump platforms, engine buildings and discharge piping for this 2,100 cfs station. The pump station consists of two pump platforms, each consisting of six pumps located on either side of the 17th Street Canal. N-Y was the design engineer of record as a subconsultant to another firm.

1000 CFS Addition to Drainage Pumping Station No. 11 for the Sewerage & Water Board of New Orleans: A 10,000 SF pump house, two 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two I-walls and one T-wall along with improvements to the levee along the Gulf Intracoastal Waterway.

Main Street Drainage Improvements; Plaquemines Parish, LA: New subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River.

East St. John High School Drainage Pumping Station; St. John the Baptist Parish, LA: A flood protection system around East St. John High School with interior drainage improvements and utility relocations.

Hoey's Basin Pump to the River Project; Jefferson Parish, LA: Engineering Feasibility, Hydraulic Modeling and Conceptual Cost Estimates evaluating a new drainage pump station in the 2,400 acre Jefferson Parish portion of the 10,000 acre Hoey's Drainage Basin. Alternatives included a 1600 CFS station (with a 13' diameter, 5400 LF discharge force main) expandable to 2400 CFS and a 1000 CFS station with a detention pond for interim stormwater storage.

Plans and Specifications for a 750 CFS Interim Pump Facility at the East of Harvey Sector Gate Structure; Jefferson Parish, LA for the USACE: Design and Engineering during Construction of a 750 CFS interim pump station facility with pumps and engines provided by the Government. Design included the support structure and lateral bracing for the temporary pumps to be located within the Sector Gate Structure East side gatebay recess, location and support for discharge piping and discharge pipes, diesel engine and fuel storage platform, fuel transfer systems, connecting hydraulic and water lines and their support structure, lighting, generator and all other mechanical and electrical components.

Interior Drainage Experience:

Duncan Canal Improvements at West Esplanade Avenue; Kenner, LA: A Hydraulics Study and Preliminary & Final Design of a double barrel, 3000 CFS, 340 LF box culvert which will replace the existing bridges crossing the Duncan Canal.



Improvements to Suburban Drainage Canal; Sections 1, 2, 3, 4 and 5; Jefferson Parish, LA: N-Y prepared preliminary plans for 3 box culverts at Interstate 10, measuring 11' x 20' feet each; 4 box culverts at Veterans Boulevard, measuring 11' x 21' each; a concrete flume section with a bottom width of 40' and a design flow of 3,000 CFS and a concrete flume section with a bottom width of 74' and a design flow of 3,600 CFS.

Improvements to Drainage Canal No. 3; Jefferson Parish, LA: Design, bidding, construction administration and resident inspection for improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving & a capacity of 4000 CFS.

Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): Drainage improvements consisting of a 4400 LF covered reinforced concrete canal along Jefferson Avenue including roadway replacements and major utility relocations.

Claiborne Avenue Manifold Canal, from LA Avenue to Jena Street for the Sewerage & Water Board of New Orleans. (SELA Project): A single-barrel, 10'h x 24'w concrete box culvert from Jena St. to the west & a single barrel 10' h x 14' w concrete box culvert from Louisiana Avenue to the east, with a capacity of approx. 2000 CFS in the median of S. Claiborne Avenue (US 90).

LA 1088 Interchange, Route I-12; St. Tammany Parish: Addition of a fully directional interchange to I-12 at LA 1088. Drainage design included 24", 36", 42", 54", 60" & 72" diameter reinforced concrete & reinforced concrete arch pipes.

Flood Protection Experience:

WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA: 3000 LF of new levees, 1840 LF of new floodwalls (T-walls up to 20' high), 2 - 16' wide swing gates, and 2 - "waskey-type" bridges to current HSDRRS criteria.

West Shore Lake Pontchartrain, WSLP-109, Levees and Floodwalls; St. Charles Parish, LA: The work includes: 5580 LF of new levee, 354 LF of T-wall crossing over nine (9) pipelines, transition floodwalls tying the T-wall into the levee section, multiple T-wall monoliths up to 11' high designed to current HSDRRS criteria; and a multi-culvert crossing of the interior drainage canal at the access road.

Bayou Segnette Complex Flood Protection: 56' Wide Navigable Sector Gate, Floodwalls, Levee & Pump Station; Jefferson Parish, LA: The replacement of the existing flood protection system from Bayou Segnette Pumping Station to Westwego Pumping Station No. 2 with new protection designed to the USACE Case 1 - 100 year level of protection.

Hurricane Protection Alignments, Westbank & Vicinity: A. Reconnaissance-Level Study, B1. WBV-72 Lake Cataouatche Levee, B2. WBV-74 Western Tie-In Closure Structure at Bayou Verret (Sellers Canal); Jefferson and St. Charles Parishes, LA: A. Reconnaissance-level study for hurricane protection alignments, raised to FEMA 100 year future case (2057) level of protection. **B1.** 12,450 LF of earthen levee, 2 concrete access bridges, a drainage feature in the Davis Pond Guide Levee, & a new drainage path for Jefferson Parish's pump station. **B2.** A 56' wide navigable sector gate; by-pass channel; 450 LF of T-wall; 1700 LF of earthen levee; 5 gate sluice structure & permanent access road.

Mississippi River Manchac Levee Enlargement (3 miles); East Baton Rouge & Iberville Parishes for the USACE: Design and Engineering During Construction for this project, which involved raising 15,600 LF of Mississippi River Levee to the authorized grade above the flow line.

WBV-09b Hero Canal Closure Structure (Hero Canal Stop Log Structure); Plaquemines Parish, LA for the USACE: Design and Engineering During Construction of a 56 ft. wide, navigable stop log structure; 100 ft. x 1600 ft. by-pass channel; 450 LF of T-wall and 100 LF of earthen levee transition; 70 CFS pump station, a crane platform and a stop log storage platform.

Memberships & Associations:

- American Society of Civil Engineers
- Society of American Military Engineers
- American Concrete Institute

LICENSURE/CERTIFICATIONS: JAMES SIMMONS, PE



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. James E. Simmons

License/Certificate Type - Number
PE.0019891

Expiration Date
09/30/2025

Status: **Active**



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

James E Simmons
has attended
Louisiana Traffic Control Technician
Training Course

9/5/2023 to 9/5/2027
Training Valid Through

Baton Rouge, LA
Location

James E. Simmons
Vice President of Education and Technical Services
Alan Fischer
President, CEO

ATSSA provides training and certification for neither constitutes employment by ATSSA.



ACEC

AMERICAN COUNCIL OF ENGINEERING COMPANIES
of Mississippi

This Certificate of Participation
is presented to

Jim Simmons

for participating in the following sessions at the
2014 ACEC-MS/NSBA Steel Bridge Forum

Topics on Steel Girder Design

Constructability and Availability Considerations for Steel Bridges

Virtual Fabrication Shop Tour

Bolted Splice Design

Effect of skewed Supports on Steel I girder Bridge Behavior

Advanced Fabrication Processes

At the Mississippi ABC Building, Pearl MS
August 28, 2014

The Mississippi Board of Registration for Professional Engineers and Land Surveyors (BOR) has established the formal Professional Development Hour (PDH) in the requirements for license renewal. Seminars within this meeting conform to the rules established by the BOR, and in consequence, should qualify for a formal 6.5 PDH credits.

James Nelson

James Nelson
President, ACEC/MS

Judy Adams

Judy Adams
Executive Director, ACEC/MS



PROOF OF TRAINING

THIS CERTIFICATE HEREBY RECOGNIZES THAT

James E Simmons
has attended
Louisiana Traffic Control Supervisor
Training Course

9/5/2023 to 9/5/2027
Training Valid Through

Baton Rouge, LA
Location

James E. Simmons
Vice President of Education and Technical Services
Alan Fischer
President, CEO

ATSSA provides training and certification for neither constitutes employment by ATSSA.



National Highway Institute Certificate of Training

James E. Simmons

has participated in
NEPA and Transportation Decision Making

hosted by
LADOTD / LTRC

Location: Baton Rouge, LA

Hours of instruction: 18

Date: August 31 - September 2, 2004

Michael J. A. Gray
Instructor

Morgan Ayala
Director, National Highway Institute
Federal Highway Administration

William M. Adams
Coordinator

William M. Adams
Director, Office of Professional Development
Federal Highway Administration



Certificate of Attendance

Local Public Agency Qualification Program
Project Design & Delivery: Developing an LPA Project for Bidding Module
PRESENTED BY

Louisiana Department of Transportation and Development
Louisiana Local Technical Assistance Program
And
The Federal Highway Administration

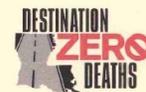
TO CERTIFY THAT

Jim Simmons

HAS SATISFACTORILY COMPLETED 7 HOURS OF TRAINING

John M. Adams
Director of Local Public

February 24, 2015
Date
New Orleans, Louisiana



This certificate of training is presented to

JAMES SIMMONS

In Recognition of Attending

Highway Safety Manual Workshop

Baton Rouge, Louisiana

Elizabeth Wemple, PE
Eric Tang, PE
Instructor

18.0 Professional Development Hours

Nov 30 - Dec 2, 2011
Date

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Fred Charles Mortali, PE – Civil Engineer

Project Assignment:

Civil and Hydraulic Engineer / H&H Modeler

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

15 Years

Education: Degree(s)/Year/Specialization:

Bachelor of Civil Engineering/1989/University of Toledo/Civil Engineering

Active registration: Year first registered/discipline:

LA (35111)/2010/Civil Engineering MS (20103)/2011/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Mortali's 31 years of experience includes the design of various types of civil engineering projects including storm drainage, flood control, water, wastewater, and street projects, including particular expertise in drainage studies and H&H modeling.

Drainage Pump Station Experience:

Willowdale Drainage Pumping Station; St. Charles Parish, LA: A new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals.

Main Street Drainage Improvements; Plaquemines Parish, LA: New subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River.

East St. John High School Drainage Pumping Station; St. John the Baptist Parish, LA: A new elevated pump station including three 20" pumps, with a capacity of 20,000 gpm (45 CFS), and a back-up generator. The pump station is automated to utilize 1, 2, or 3 pumps as necessary to maintain the desired water level.

Interior Drainage Experience:➤ **With N-Y**

Duncan Canal Improvements at West Esplanade Avenue; Kenner, LA: A Hydraulics Study and Preliminary & Final Design of a double barrel, 3000 CFS, 300 LF box culvert which will replace the existing bridges crossing the Duncan Canal.

Program Management of the Eastbank FEMA Submerged Roads Program; Jefferson Parish, LA: \$83 million of FEMA funded concrete and asphalt street improvements, due to damage sustained during Hurricane Katrina. This project also included as-needed minor drainage improvements.

1077/1085 Drainage Study; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for this 12,500 acre area, utilizing HEC-RAS.



Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): Drainage improvements to the Jefferson Avenue Covered Canal I consisting of a 4400 LF covered reinforced concrete canal along Jefferson Avenue including roadway replacements and major utility relocations.

Brewster Road/LA 1077 Detention Pond; St. Tammany Parish, LA: H&H Modeling utilizing SWMM & HEC-RAS and Design for a 10-acre detention pond including drainage improvements to facilitate connectivity to the pond and new subsurface drainage along Brewster Road.

Alton Area Drainage; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements to alleviate street and nuisance flooding in the Alton Subdivision, utilizing SWMM. Design for Phase I of the proposed drainage improvements.

Tantella Ranch/McGee Road Drainage Report; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for a 1,780 acre area on Tantella Ranch Road, utilizing SWMM.

Tyler Drive Roadway and Drainage Improvements; Slidell, LA: Infrastructure Improvements to Tyler Drive including a new turning lane onto Gause Boulevard.

➤ **With other Firms**

Reynolds Road Drainage Analysis; St. Tammany Parish, LA: Project included a 163 acre stormwater runoff detention area.

West Covington Cleco Substation; St. Tammany Parish, LA: Project included a 2000 foot access road which crossed a tributary of the Tchefoncté River.

Salmen Tract Detention Pond; St. Tammany Parish, LA: Project included a reinforced concrete control structure (14 ft. high by 80 ft. long).

Memberships & Associations:

- American Society of Civil Engineers
- Society of American Military Engineers

LICENSURE/CERTIFICATIONS: FRED MORTALI, PE



**LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)**
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Fred Charles Mortali

License/Certificate Type - Number	Expiration Date
PE.0035111	03/31/2026
Status: Active	



PROOF OF TRAINING
THIS CERTIFICATE HEREBY RECOGNIZES THAT

Fred Mortali
has attended
Louisiana Traffic Control Supervisor Refresher
Training Course

8/18/2023 to 8/18/2027
Training Valid Through

New Orleans, LA
Location

Don H. Clark
Vice President of Education and Technical Services

Alan Teresian
President, CEO

ATSSA provides training and certification but neither constitutes employment by ATSSA.



American Traffic Safety Services Association ATSSA.com

Certificate of Attendance
presented to

Fred Mortali

for attending the

Highway Safety Manual Workshop
20 Professional Development Hours

March 8-10, 2016

Baton Rouge, Louisiana

Wal B. [Signature]
Authorized Instructor



LOUISIANA DEPARTMENT OF
TRANSPORTATION & DEVELOPMENT



LOUISIANA TRANSPORTATION
RESEARCH CENTER

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

William Haensel, PE, PLS – Senior Civil Engineer



Project Assignment:

Senior Civil and Structural Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

3 Years / 53 years with Other Firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science / 1968 / Civil Engineering

Master of Science Studies / 1968-1974 / Civil Engineering

Active registration: Year first registered/discipline:

LA (13375)/1972/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Haensel has over 50 years of experience including civil and structural engineering design of levees, floodwalls, drainage pumping stations, box culverts, building foundations and bridges. His experience also includes working for the USACE, New Orleans District in the channel stabilization branch where he was responsible for the engineering design and documentation of river revetments and shore protection for the Mississippi and Atchafalaya Rivers.

Drainage and Flood Control Experience:

➤ With N-Y

Replacement of 15 Rural Bridges, LADOTD Districts 08, 58 and 05; Winn, Grant, Natchitoches, Rapides, Vernon, Catahoula, Caldwell, Franklin and Jackson Parishes, LA: The replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD District 08, 58 and 05.

Morganza to the Gulf of Mexico; Minors and Shell East Canal Floodgate Complex; Terrebonne Parish, LA: Design of 56' wide and 125' wide barge gates including the design of temporary by-pass channels, tie in T-walls (both straight and PI monoliths), braced cofferdams, barge gate receiving structures (pile supported foundations and abutments), guide walls, pile protection clusters, and other associated work.

➤ With Other Firms

Reserve Drainage District No. 1: Levees and Drainage Pumping System; St. John the Baptist Parish, LA: The design and construction included approximately 5 miles of earthen levees, a stormwater detention pond, drainage canals, subsurface drainage collection system, and a drainage pumping station having a pumping capacity of 550 cubic feet of water per second. The ditches, canals, pond, and drainage pumping system were designed to manage the 100-year, 24-hour rainfall event.

Cedar Grove Pump Station; Terrebonne Parish, LA: The construction of approximately 8,800 linear feet of levee, a water control structure, and necessary appurtenances to an elevation of +8 NAVD to provide forced drainage and tidal tropical storm flood protection between Ashland Landfill Road and Cedar Grove Road. The drainage scheme includes the installation of a pump station and water control structure with pumping capacity to serve this area. The drainage pumping station consisted of three 42-inch pumps, each with a pumping capacity of 45,000 GPM (100 CFS).

Hurricane Related Repairs to N. Broad Street Underpass Drainage Pump Station; New Orleans, LA: The project included the removal of mud and debris from the wet well and 36" and 21" drains upstream of the wet well. Design also included replacement of solids handling pumps and sump pumps along with new control panels and associated piping.

Lakeshore Villages Levees and Stormwater Detention System; St. Tammany Parish, LA: The design and construction consisted of approximately 6 miles of earthen levees which protect the property from flooding. Approximately 33,000 linear feet of drainage canals was designed and constructed along with a storage area of 46 acres and along with two large detention ponds having an approximate area of 127 acres to provide significant stormwater detention capacity. The canals, two stormwater detention ponds, and subsurface drainage system work in unison with the drainage pumping station which has a capacity to pump 300 cubic feet of water per second into the parish drainage canal located on the on the east side of the property perimeter.

Memberships & Associations:

- American Society of Civil Engineers



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LPELS)

9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lpeels.com

Mr. William B. Haensel Jr.

License/Certificate Type - Number

PE.0013375

Expiration Date

03/31/2026

Status: **Active**



Jefferson
Parish

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Neil D. Logan, PE – Civil & Structural Engineer

Project Assignment:

Senior Structural Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

45 Years (part time since 2003)

Education: Degree(s)/Year/Specialization:

Bachelor of Science/1961/Purdue University/Civil Engineering

Active registration: Year first registered/discipline:

LA (14607)/1974/Civil Engineering MS (07040)/1977/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Logan has 63 years of engineering experience in the design and construction of flood and surge control projects. His work has included the structural design of floodwalls, drainage pumping stations, levees, and gated flood control structures.

Drainage Pump Station Experience:

New 1200 CFS Bayou Segnette Drainage Pumping Station for Jefferson Parish, LA: A new 1200 CFS pumping station with two, 600 CFS horizontal pumps driven by diesel engines through gear reducers.

Westwego No. 2 Drainage Pumping Station; Westwego, LA: A new 936 CFS pump station with diesel driven, vertical pumps; levee improvements; and a pile-supported concrete floodwall. Procurement and installation of an additional (third) 320 CFS electric powered, vertical pump.

Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA: Preparation of the Design Report and Plans & Specifications to provide fronting protection across the entire width of the pumping station discharge areas. The designs consisted of a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes.

Interim 2100 CFS Drainage Pumping Station at the 17th Street Canal for the USACE (post-Katrina): Design and Engineering During Construction of the pump platforms, engine buildings and discharge piping for this 2,100 cfs station. The pump station consists of two pump platforms, each consisting of six pumps located on either side of the 17th Street Canal.

1000 CFS Addition to Drainage Pumping Station No. 11 for the Sewerage & Water Board of New Orleans: Design, Bidding, Construction Administration and resident inspection services for a 10,000 SF pump house, two 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two I-walls and one T-wall along with improvements to the levee along the Gulf Intracoastal Waterway.



Willowdale Drainage Pumping Station; St. Charles Parish, LA: A new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals.

Plans and Specifications for a 750 CFS Interim Pump Facility at the East of Harvey Sector Gate Structure; Jefferson Parish, LA for the USACE: Design and Engineering during Construction of a 750 CFS interim pump station facility with pumps and engines provided by the Government.

Flood Protection Experience:

Westbank & Vicinity, Lake Cataouatche Hurricane Protection Levee; Jefferson and St. Charles Parishes, LA: A reconnaissance-level study for hurricane protection alignments, raised to the FEMA 100 year future case (2057) level of protection. Design and Engineering during Construction of 12,450 LF of earthen levee, 2-concrete access bridges, a drainage feature in the Davis Pond Guide Levee, and a new drainage path for Jefferson Parish's pump station.

Bayou Segnette Complex Flood Protection - Navigable Sector Gate, Floodwalls, Levee & Pump Station; Jefferson Parish, LA for the USACE: Preparation of the Design Report (Alternatives 1,2,&3); Plans & Specifications, Engineering During Construction and O&M Manual (Alternative 2) for replacing the existing flood protection system from Bayou Segnette Pumping Station to Westwego Pumping Station No. 2 with new protection designed to the USACE Case 1-100 year level of protection.

WBV-74 Western Tie-In Closure Structure at Bayou Verret (Sellars Canal) Navigable Sector Gate, Sluice Gates, Levees and Floodwalls; Jefferson and St. Charles Parishes, LA for the USACE: Design & Engineering During Construction of a 56' wide navigable sector gate; by-pass channel; 450 LF of T-wall; 1700 LF of earthen levee, a 5 gate sluice gate structure and a permanent access road. N-Y was the designer and professional engineer of record for this work as a subconsultant to another firm.

LICENSURE/CERTIFICATIONS: NEIL LOGAN, PE



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Mr. Neil D. Logan

License/Certificate Type - Number

PE.0014607

Expiration Date

03/31/2025

Status: **Active**



Jefferson
Parish

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Mark Gonski, PE – Structural Engineer

Project Assignment:

Senior Structural Engineer

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

3 Years / 39 years with Other Firms

Education: Degree(s)/Year/Specialization:

Master Science/1992/Civil Engineering; Bachelor of Science/1978/Civil Engineering

Active registration: Year first registered/discipline:

LA (26817)/1996/Civil Engineering

Other experience and qualifications relevant to the proposed Project:

Mr. Gonski has over 40 years of experience as a structural engineer for locks, dams, levees and floodwalls, floodgates and flood control structures.

Drainage and Flood Control Experience:**➤ With N-Y**

Mississippi River Low Sill Structure Dewatering; Concordia Parish, LA: The purpose of the Old River Low Sill Control Structure Dewatering Project is to provide for a partial dewatering of the Low Sill Structure. The dewatering will allow the USACE to inspect, perform repairs (if needed) and do invasive testing and analysis. Dewatering will be performed for multiple gate bays in a sequence across the entire structure length.

Morganza to the Gulf of Mexico; Minors and Shell East Canal Floodgate Complex; Terrebonne Parish, LA: Design of 56' wide and 125' wide barge gates including the design of temporary by-pass channels, tie in T-walls (both straight and PI monoliths), braced cofferdams, barge gate receiving structures (pile supported foundations and abutments), guide walls, pile protection clusters, and other associated work.

➤ With Other Firms

Western Closure Complex Floodgate and Sluice Gate Structure; Orleans, Jefferson and Plaquemines Parishes, LA: Mr. Gonski oversaw the in-house design of the Western Closure Complex which included a 225 ft wide floodgate, sluice gated drainage structure and several reaches of floodwall. The floodgate utilized buoyant chambers, an innovation used to control deflections of the massive steel gate. The design included the steel gates, concrete monoliths, and tie-in floodwalls. A 24 ft tall needle dam dewatering system was included in the design. The 225 ft wide sector gate is the largest gate of this type in the USA.

Golden Meadow Floodgate; Lafourche Parish, LA: Provided engineering during construction for this mid-stream floodgate. Floodgate was constructed in an earthen cofferdam built in Bayou Lafourche. Significant redesign of the pile foundation and cofferdam was required due to site conditions.

USACE Chief of Structures Branch, Post-Katrina; New Orleans, LA: Mr. Gonski reviewed for approval, the Plans and Specifications of over 100 hurricane protection projects in the New Orleans area. The designs included floodwalls, floodgates, and pump station modifications. Mr. Gonski also oversaw the later stages of construction on the Lake Borne Barrier Project. The project included a concrete barge gate which required significant modification and repair late in construction. Mr. Gonski authored much of the current Hurricane Storm Damage Risk Reduction System (HSDRRS) structural criteria developed by the Corps following the Katrina Hurricane.

USACE Technical Manager and Lead Designer of Post-Katrina Interim Protection; New Orleans, LA: Lead designer of six, interim floodwall projects. All were designed and constructed within a 12 month period to shore-up flood protection prior to construction of permanent structures. Plans included I-walls, and A-Frame closures. Also provided technical reviews for Consultant designed plans and specifications.

Technical Manager and Lead Engineer, Harvey Floodgate; Jefferson Parish, LA: Technical manager and lead structural engineer for the design and construction of the Harvey Sector gate, a 125 ft wide floodgate. The design included the gate, concrete monolith, tie-in walls, needle dam bulkhead system, and related civil designs. The design was the first float-in structure designed by the Corps in-house. The structure was also designed as a conventional cast in place alternative.

Memberships & Associations:

- The American Society of Civil Engineers
- Structures Committee Member
- American Welding Society





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Mr. Mark Herman Gonski

License/Certificate Type - Number

Expiration Date

PE.0026817

09/30/2024

Status: **Active**



Jefferson
Parish
State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Patricia R. Claverie, EI, MS

Project Assignment:

Hydrology and Hydraulics Engineer / Lead H&H Modeler

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

3 Year / 21 years with Other Firms

Education: Degree(s)/Year/Specialization:

Bachelor of Science/2000/University of New Orleans/Civil and Environmental Engineering**Master of Science/2003/University of New Orleans/Engineering Management**

Active registration: Year first registered/discipline:

LA (19340)/2000/Civil EIT

Other experience and qualifications relevant to the proposed Project:

Patricia Claverie has 24 years of experience in H&H modeling. She has extensive knowledge of ArcView, PCSWMM, SWMM5, HEC-HMS, and HEC-RAS for drainage improvements and hydraulic design for bridges and culvert design. Her experience also includes planning and engineering services for Sewer Infiltration and Inflow Management using InfoWorks and developing shape files for GIS. Ms. Claverie also is knowledgeable in roadway design, traffic control plans, signage and pavement marking plans, storm water pollution prevention plans, sanitary sewer and water line improvement plans, and hydrologic studies.

Roadway & Drainage Experience:

Coin Du Lestin Road Elevation; Slidell, LA: H&H Modeling utilizing HEC-RAS that illustrates the existing conditions, determines the required roadway elevations to prevent inundation in a 100-year event, evaluates the drainage impacts that will occur due to raising the roadway elevations, and provides a final recommendation.

Replacement of 15 Rural Bridges, LADOTD Districts 08, 58 and 05; Winn, Grant, Natchitoches, Rapides, Vernon, Catahoula, Caldwell, Franklin and Jackson Parishes, LA: H&H Modeling utilizing HEC-RAS for the replacement of fifteen (15) rural bridges crossing creeks and bayous on the State Highway System in LADOTD District 08, 58 and 05.

Improvements to Carriage Canal and Dunleith Canal; St. Charles Parish, LA: A new 107 LF concrete open flume at the intersection of the Carriage Canal and the Dunleith Canal to channel the two perpendicular flows into one uniform flow and a 540 LF of new sheet piles that will tie into the new concrete flume.

➤ With Other Firms

Master Drainage Plan for Sewerage and Water Board of New Orleans: Ms. Claverie was responsible for creating the hydraulic model using PCSWMM for both the existing conditions and required drainage improvements for the Algiers and English Turn areas.

USACE – Southeast Louisiana Urban Flood Control Program (SELA), Orleans Parish, LA: Ms. Claverie provided construction and program management services for the Sewerage and Water Board (S&WB) of New Orleans on the \$1B drainage improvement program. She coordinated the design and construction work for the S&WB between the USACE and the design A/E firms. She reviewed contract and construction documents for constructability, inputted review comments into Dr. Checks, coordinated acquisitions of rights-of-way and construction easements, and reviewed the design of the relocation of utilities. She performed computer hydraulic modeling using the XP-SWMM program for major drainage canals and systems to determine the existing conditions and required drainage improvements, evaluated water surface profiles for existing and proposed improvements, and prepared conceptual plans and preliminary construction cost estimates for various open and covered canals.

Grays Creek, Livingston Parish, LA: Ms. Claverie was responsible for preparing a Drainage Study for Grays Creek from Florida Boulevard (Hwy 190) to Interstate-12 in Livingston Parish. Ms. Claverie created an existing condition model in HEC-RAS for Grays Creek. In addition, the following alternatives were evaluated in the HEC-RAS proposed model: widening the channel bottom, fixing the centerline slope, adding concrete slope paving to side banks, and replacing the bridges with culverts.



City of Lumberton Drainage Study, Lumberton, TX: Ms. Claverie developed a hydraulic model using HEC-RAS software to design the detention ponds for two of the six drainage basins.

Concord Road, Beaumont, TX: Design of the reconstruction of 5 miles of roadway from 2-lanes to 4-lanes. This project also included improving the drainage for the adjacent residential areas. Ms. Claverie was responsible for completing the hydrologic studies, hydraulic design, traffic control plans, storm water pollution prevention plans, sanitary sewer and water line improvement plans, bridge layouts, ROW plans and plan-profile sheets.

Statewide Flood Control Applications for Louisiana Avenue and General DeGaulle Canals (SELA), New Orleans, LA: The application included Hydraulic Modeling and AutoCAD drawings. Ms. Claverie was the project engineer and was responsible for running the HEC-RAS hydraulic model, preparing the report and required spreadsheets for the application.

Identify & Prioritize Drainage Improvements for the City of Kenner Drainage System, Kenner, LA: Ms. Claverie aided in the development of a program to identify and prioritize needed drainage system improvements. This project included a hydraulic model, calibration to reflect existing known conditions, finalization of output data from HEC-RAS, development of a master plan report, establishment of construction cost & implementation plan, and funding alternatives.

Flood Protection Experience:

US Army Corps of Engineers, MVN – Levees Section New Orleans, LA: Ms. Claverie reviewed plans and prepared specifications for levee and other flood protection projects, analyzed cross sections and topography data, utilized CSV (Cross Section Volume) Program, located and sized borrow pits and calculated quantities for project bid items. She conducted on-site investigations to identify utilities, including pipeline facilities within project limits, which required relocation. Ms. Claverie reviewed contract A-E and in-house construction plans for format and CADD technical accuracy and standards. She also reviewed construction permits applications by others and accompanying plans and specifications to assure compliance with USACE MVN standards and to identify any conflict with current USACE MVN project objectives.

Ms. Claverie worked on the following relevant projects:

- Mississippi River Levees – Alhambra to Modeste – Iberville & Ascension Parishes, Louisiana – Levees Design including Concrete Slope Pavement
- Mississippi River Levees – Eastbank and Westbank Gaps – East Baton Rouge, St. James, St. Charles, Ascension, and Jefferson Parishes, Louisiana – Levees Design including Concrete Slope Pavement
- Lake Pontchartrain, Louisiana and Vicinity, Hurricane Protection Project – Jefferson Parish Reach 5 – 2nd Lift Levee & Bonnabel Blvd Floodgate – Levees & Floodwalls Designs, Coastal Erosion Protection
- Larose to Golden Meadow Hurricane Protection Project – Sections A, D, E & F – Lafourche Parish, Louisiana – Levees Studies & Designs
- New Orleans to Venice Hurricane Protection Project – Nairn to Venice – Plaquemines Parish, Louisiana – Levees, Floodwalls & Dikes Designs, Coastal Erosion Protection
- St. Bernard Hurricane Protection Project – Verret to Caernarvon – St. Bernard Parish, Louisiana – Levees & Floodwalls Designs, Coastal Erosion Protection
- West Atchafalaya Basin Protection Levee, Item W-102, Second Levee Enlargement – St. Mary Parish, Louisiana – Levees Design
- West Bank and Vicinity, Hurricane Protection Project, Lake Cataouatche Levee Enlargement – Hwy 90 to Segnette State Park – Jefferson Parish, Louisiana – Levees Design, Coastal Erosion Protection
- West Bank and Vicinity, Hurricane Protection Project, New Westwego Pump Station to Old Orleans Village Pump Station – Second Lift – Jefferson Parish, Louisiana – Levees Design, Coastal Erosion Protection

Memberships & Associations:

- The American Society of Civil Engineers
- The Society of American Military Engineers



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Ms. Patricia Renee' Claverie

License/Certificate Type - Number

EI.0019340

Expiration Date

09/30/2026

Status: **Active**



Jefferson
Parish

State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Dennis G. Voss, NICET, Level IV

Project Assignment:

Senior Engineering Technician (Civil)

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

50 Years

Education: Degree(s)/Year/Specialization:

Associate Degree/1968/Delgado Junior College/Engineering Technology

2 years, Engineering Studies/1962-1965/University of New Orleans

Active registration: Year first registered/discipline:

National Institute for Certification in Engineering Technology (54584)/1976/Engineering Technician, Level IV

Other experience and qualifications relevant to the proposed Project:



Drainage Pump Station Experience:

New Bayou Segnette Drainage Pumping Station; Westwego, LA:

A new 1,200 CFS pumping station with two (2), 600 CFS horizontal pumps driven by diesel engines through gear reducers.

Westwego No. 2 Drainage Pumping Station; Westwego, LA:

A new 936 CFS pump station with diesel driven, vertical pumps; levee improvements; and a pile-supported concrete floodwall. Procurement and installation of an additional (third) 320 CFS electric powered, vertical pump.

Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA:

Preparation of the Design Report and Plans & Specifications to provide fronting protection across the entire width of the pumping station discharge areas.

Interim 2100 CFS Drainage Pumping Station at the 17th Street Canal for the U. S. Army Corps of Engineers (post-Katrina):

Design and Engineering During Construction of the pump platforms, engine buildings and discharge piping for this 2,100 cfs station. The pump station consists of two pump platforms, each consisting of six pumps located on either side of the 17th Street Canal. N-Y was the design engineer of record as a subconsultant to another firm.

1000 CFS Addition to Drainage Pumping Station No. 11 for the Sewerage & Water Board of New Orleans:

A 10,000 SF pump house, two 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two I-walls and one T-wall along with improvements to the levee along the Gulf Intracoastal Waterway.

Willowdale Drainage Pumping Station; St. Charles Parish, LA:

A new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals.

Main Street Drainage Improvements; Plaquemines Parish, LA:

New subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River.

East St. John High School Drainage Pumping Station; St. John the Baptist Parish, LA:

A new elevated pump station including three 20" pumps, with a capacity of 20,000 gpm (45 CFS), and a back-up generator. The pump station is automated to utilize 1, 2, or 3 pumps as necessary to maintain the desired water level.

Persimmon Street and Joan of Arc Area Drainage Improvements; St. John the Baptist Parish, LA:

a 150 hp duplex submersible pump station, subsurface drainage, 16" diameter drainage force main and related utility relocations.

Riverlands Area Drainage Improvements; St. John the Baptist Parish, LA:

Three (3) duplex submersible drainage pump stations, subsurface drainage and related utility relocations.

Persimmon Street Pumping Station; St. John the Baptist Parish, LA:

Modifications to an existing 25 CFS drainage pumping station and the permitting and installation of a 16" diameter force main parallel to an existing 12" diameter force main discharging into the Mississippi River.

Reserve Relief ("Homewood") Drainage Pumping Station; St. John the Baptist Parish, LA:

A 100 CFS pumping station based on hydraflow hydraulic pumps which eliminate the need for costly structures. The project also included a levee across the Reserve Relief Canal.

Hoey's Basin Pump to the River Project; Jefferson Parish, LA:

Engineering Feasibility, Hydraulic Modeling and Conceptual Cost Estimates evaluating a new drainage pump station in the 2,400 acre Jefferson Parish portion of the 10,000 acre Hoey's Drainage Basin. Alternatives included a 1600 CFS station (with a 13' diameter, 5400 LF discharge force main) expandable to 2400 CFS and a 1000 CFS station with a detention pond for interim stormwater storage.

Interior Drainage Experience:

Duncan Canal Improvements at West Esplanade Avenue; Kenner, LA: A Hydraulics Study and Preliminary & Final Design of a double barrel, 3000 CFS, 340 LF box culvert which will replace the existing bridges crossing the Duncan Canal.

Bunche Village Subdivision Infrastructure Improvements; Jefferson Parish, LA: CDBG funded street and subsurface drainage improvements in the Bunche Village Subdivision.

Maplewood/Paillet Subdivision Infrastructure Improvements; Jefferson Parish, LA: CDBG funded street and subsurface drainage improvements in the Maplewood/Paillet Subdivision.

Improvements to Suburban Drainage Canal; Sections 1, 2, 3, 4 and 5; Jefferson Parish, LA: N-Y prepared preliminary plans for 3 box culverts at Interstate 10, measuring 11' x 20' feet each; 4 box culverts at Veterans Boulevard, measuring 11' x 21' each; a concrete flume section with a bottom width of 40' and a design flow of 3,000 CFS and a concrete flume section with a bottom width of 74' and a design flow of 3,600 CFS.

Improvements to Drainage Canal No. 3; Jefferson Parish, LA: Improvements to Drainage Canal No. 3 from I-10 to the Elmwood Canal consisting of an 1800 LF, 90' wide concrete flume section with side slope paving and a capacity of 4000 CFS.

ARFF Perimeter Road, Stage 1 at Louis Armstrong New Orleans International Airport (Duncan Canal Box Culvert); Kenner, LA: A 10,600 LF roadway on top of a reinforced box culvert. The box culvert enclosed approx. 6,300 LF of the Duncan Drainage Canal and consists of a 900 LF segment containing two 9' x 9' reinforced concrete box culverts and a 5,400 LF segment containing a double barrel, 11' h x 44' w reinforced concrete box culvert.

Brewster Road/LA 1077 Detention Pond; St. Tammany Parish, LA: H&H Modeling utilizing SWMM & HEC-RAS and Design for a 10-acre detention pond including drainage improvements to facilitate connectivity to the pond and new subsurface drainage along Brewster Road.

1077/1085 Drainage Study; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for this 12,500 acre area, utilizing HEC-RAS.

Tantella Ranch/McGee Road Drainage Report; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements for a 1,780 acre area on Tantella Ranch Road, utilizing SWMM.

Alton Area Drainage; St. Tammany Parish, LA: Hydraulic Modeling of Existing Conditions and Proposed Improvements to alleviate street and nuisance flooding in the Alton Subdivision, utilizing SWMM. Design for Phase I of the proposed drainage improvements.

Jefferson Avenue Canal I, from South Claiborne Avenue to Dryades Street, for the Sewerage and Water Board of New Orleans (SELA Project): Drainage improvements consisting of a 4400 LF covered reinforced concrete canal along Jefferson Avenue including roadway replacements and major utility relocations.

Claiborne Avenue Manifold Canal, from LA Avenue to Jena Street for the Sewerage & Water Board of New Orleans. (SELA Project): A single-barrel, 10'h x 24'w concrete box culvert from Jena St. to the west & a single barrel 10' h x 14' w concrete box culvert from Louisiana Avenue to the east, with a capacity of approx. 2000 CFS in the median of S. Claiborne Avenue (US 90).

LA 1088 Interchange, Route I-12; St. Tammany Parish: Addition of a fully directional interchange to I-12 at LA 1088. Drainage design included 24", 36", 42", 54", 60" & 72" diameter reinforced concrete & reinforced concrete arch pipes.

Master Drainage Plan for St. John the Baptist Parish, LA: As a major subconsultant to another firm, N-Y prepared a master drainage plan for the east and west banks of St. John the Baptist Parish (32 drainage basins; 125,000 acres total).

Flood Protection Experience:

Bayou Segnette Complex Flood Protection: 56' Wide Navigable Sector Gate, Floodwalls, Levee & Pump Station; Jefferson Parish, LA: Mr. Voss provided civil engineering design for the replacement of the existing flood protection system from Bayou Segnette Pumping Station to Westwego Pumping Station No. 2 with new protection designed to the USACE Case 1 - 100 year level of protection. The Study included Alternative 1 which follows the existing flood protection alignment (T-Wall, I-Walls on levee sections & full levee section alternatives were studied) and Alternative 2 which crosses Bayou Segnette with a 50' wide navigation floodgate (mitered & sector gate alternatives were studied).

Mississippi River LNG Flood Protection Project, LA 39; Bohemia, LA (South of Pointe a la Hache): Flood protection of a proposed LNG facility on the Eastbank of the Mississippi River in Plaquemines Parish. The \$175 million required flood protection is a 9300 LF reinforced concrete, pile supported floodwall with two 30' vehicular access swing gates, pedestrian gates, and a 70' wide stop log access for future equipment. The height of the floodwall is approximately 27' above grade in accordance with the 100 year Base Flood Elevation and USACE HSDRSS standards.

Mississippi River Manchac Levee Enlargement; East Baton Rouge and Iberville Parishes, LA: Raising 15,600 LF of Mississippi River Levee to the authorized grade above the flow line and realignment of the levee centerline to salvage existing concrete slope paving within the existing right-of-way.



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Dennis G. Voss

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Engineering Technician**

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Certificate of Attendance

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for attending the

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Level 1**

and for having been awarded 12 Professional Developmental Hours

October 14-15, 2008

Baton Rouge, Louisiana

Sandra Romero
Authorized By

LTRC
Louisiana Transportation Research Center

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Noah Jackson, CADD

Project Assignment:

Senior CADD Technician

Name of Firm with which associated:

N-Y Associates, Inc.

Years' experience with this Firm:

6 Years / 19 Years with Other Firms

Education: Degree(s)/Year/Specialization:

Associates Degree/1985/Engineering Technology

Active registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

**Drainage and Flood Control Projects:**

WSLP-109, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles Parish, LA: The work includes: 5580 LF of new levee, 280 LF of T-wall crossing over nine (9) pipelines, transition floodwalls tying the T-wall into the levee section, multiple T-wall monoliths up to 15' high designed to current HSDRRS criteria; and a multi-culvert crossing of the interior drainage canal at the access road.

WSLP-114, Westshore Lake Pontchartrain Levees and Floodwalls; St. Charles and St. John the Baptist Parishes, LA: 3000 LF of new levees and 1840 LF of new floodwalls (T-walls up to 27' high) to current HSDRSS criteria associated with the following 4 West Shore project.

Roadways and Bridges:

Comite River Diversion Project – US Highway 61 Railway Bridges; East Baton Rouge Parish, LA: Design for new north bound and south bound bridges for the US Highway 61 crossing. The northbound and southbound bridges will each have a five (5) span precast prestressed girder and concrete deck, including bridge abutments, bents, superstructure and sub-structure with a 30-foot scour requirement. All work is being performed to LADOTD standards and is being reviewed by the LADOTD.

Carney Road Realignment and New Bridge; East Baton Rouge Parish, LA: A new alignment of approx. 1 mile of Carney Road and a new 3-span bridge crossing Bayou Baton Rouge using LADOTD LG girders. The new roadway and bridge will both include two, 11' travel lanes and 8' shoulders/bicycle lanes meeting East Baton Rouge's Complete Streets requirements.

Five (5) New "Waskey-type" Bridges associated with the West Shore Lake Pontchartrain Flood Protection System, WSLP-114; St. Charles and St. John the Baptist Parishes, LA: Design of five (5) new "Waskey-type" access bridges ranging in length from 60 feet to 160 feet using precast deck panels, precast pile bent caps, and precast barrier rails supported on precast concrete piles. The bridges vary in width: 24-foot, 16 foot and 12 foot clear width, gutter to gutter. The bridges are being designed for an AASHTO HS20 truck load (HL-93 loading).

New Wastewater Treatment Plant for the St. Bernard Port, Harbor and Terminal District; St. Bernard Parish, LA: A new 20,000 GPD Package Wastewater Treatment Plant which includes a prefabricated steel treatment plant; electrical service and controls; re-routing the pump station force main to the new plant; effluent gravity line to a small pond; chlorine gas feed to the treatment plant; and site work.

Eastbound West Metairie Replacement Bridge over the Soniat Canal; Jefferson Parish, LA: The forty-foot spans used prestressed, precast Quad Beams, which are 18" x 18" using 8500 psi concrete and are tensioned with 0.6 diameter strands. The piles are approx. 82' in length and are 18" square, prestressed, precast concrete.

Other Experience:

Sewerage and Water Board of New Orleans Resiliency Complex; New Orleans, LA: Renovation of the existing Head House Building for use as a Safe House with renovations and structural modifications to meet the FEMA P-361 criteria for wind speeds up to 190 mph; A new "Infill Building" between the existing Head House and Engineering Complex designed to meet FEMA P-361 criteria for wind speeds up to 190 mph; and Hardening of the adjacent Engineering Complex (windows, doors and roof) to meet current IBC wind speeds up to 150 mph.

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24 contact hours
November 19, 20, 23 & 24

Noah Jackson

Seminar Participant

November 24, 2020

Date of Completion



Ken Colgan, Trainer

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State of Louisiana

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:	
Johnny Thompson – Quality Assurance Representative	
Project Assignment:	
Quality Assurance Representative/Resident Inspection	
Name of Firm with which associated:	
N-Y Associates, Inc.	
Years' experience with this Firm:	
7 Years / 45 with other firms	
Education: Degree(s)/Year/Specialization:	
Associates Degree/Mechanical & Electrical Engineering and HVAC Controls	
Active registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	

Quality Assurance Experience:

➤ **With N-Y**

40 Arpent Floodwall Canal; St. Bernard Parish, LA: Resident Inspection Services during the repair, blasting and painting of an existing 8,100 LF sheet pile wall along the 40 Arpent Levee System in St. Bernard Parish. N-Y inspected the condition of the sheet pile wall and determined the amount of visible welding and patch to be performed due to corrosion and holes in the sheet pile wall.

Mitigation of Outfall Canal Erosion Orleans Avenue Canal for Flood Protection Authority - East; New Orleans, LA: Resident Inspection Services during the installation of canal bank erosion mitigation measures for approx. 1.65 miles of the Orleans Avenue Canal from I-610 to Robert E. Lee Boulevard. The mitigation measures include a 37,000 SY stone-filled cellular confinement system with geotextile fabric and 6" thick compacted crushed stone, and 441 CY of riprap.

Port of South Louisiana – DOW Chemical Railyard Expansion; St. Charles Parish, LA: Resident Inspection Services during the construction of a five-track railyard for DOW Chemical that will accommodate 200 rail cars. (subconsultant)

New 1st District Station for the Jefferson Parish Sheriff's Office; Jefferson Parish, LA: Quality Assurance services for this 18,500 SF facility which includes a new 9,250 SF 1st District Office elevated one story above grade; and a 9,250 SF first floor including retail space & storage for the Sheriff's Office. The 1st District Office will include offices, a meeting room, and typical support spaces (reception area, break room, toilet rooms, mechanical and electrical rooms, elevator & stairs).

Additional Project Experience:

➤ **With Other Firms**

St. Charles Parish Public Works (2013-2016): Mr. Thompson served as a Project Manager for the St. Charles Parish Department of Public Works. In this role, he was responsible for managing street, drainage, water and sewer projects of various sizes and costs.

Resident Inspector/Site Representative, Civil & Environmental Consulting Engineers (2000-2013): Mr. Thompson served as a resident inspection and site representative for street, drainage, water and sewer projects of various sizes and costs.

Hydrochem Industrial Services, Inc. (1999-2000): Mr. Thompson served as a Project Manager for Hydrochem Industrial Services, Inc. In this role, he was responsible for managing projects of various sizes and costs.

Brown & Root Energy Services for CONOCO, Inc.; Lafayette, LA (1997 – 1999): Mr. Thompson served as maintenance advisor for mechanical integrity, systems electrical and instrumentation for Brown & Root Energy Services for CONOCO, Inc.

Brown & Root, Inc., Mobil Oil Co; Chalmette, LA (1996-1997): Mr. Thompson served as a Project Superintendent for Brown & Root, Inc. for Mobil Oil Co for various Capital Projects up to \$10 million. His responsibilities included turnaround planning and execution and supplementary maintenance.

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:	
Stanley J. Mitchell – Quality Assurance Representative	
Project Assignment:	
Quality Assurance Representative/Resident Inspection	
Name of Firm with which associated:	
N-Y Associates, Inc.	
Years' experience with this Firm:	
10 Years / 28 with other firms	
Education: Degree(s)/Year/Specialization:	
Various Technical and Managerial Courses provided by Civil Service	
Active registration: Year first registered/discipline:	
N/A	

Other experience and qualifications relevant to the proposed Project:

<p>Quality Assurance Experience:</p> <p>➤ With N-Y</p> <p>Lone Star Area Sewer Rehabilitation; St. Charles Parish, LA: Sewer rehabilitation of 3316 LF of 8” sewer lines, 7 lateral connections at the main line and 13 manholes. The project consists of gravity sewer lining and point repairs including CIPP lining of main and lateral sewer lines, cleaning of sewer lines and post construction video inspection.</p> <p>Tchoupitoulas Corridor Signage and Striping; New Orleans, LA: The reinstallation/replacement of deteriorated pavement markings and intersection signage and the replacement of all damaged/missing traffic control signs on Tchoupitoulas Street from Henry Clay Avenue to Melpomene Street.</p> <p>New Veterans Administration Medical Center Infrastructure Improvements; New Orleans, LA: The complete reconstruction of the street pavement including concrete pavement and curb; crushed stone base course, sidewalks, driveways, handicapped ramps and replacement of subsurface utilities. This \$15 million project included the installation of 200 LF of 8” sewerline and 4500 LF of 24” sewerline, and CIPP lining of 1000 LF of 8” sewer pipe.</p> <p>Street and Utility Reconstruction Projects for the City of New Orleans: Reconstruction of concrete & asphalt urban streets in the City of New Orleans. Projects also included intersection improvements, and the rehabilitation or replacement of water, sewer, and drainage utilities.</p> <p>Cattle Farm Lift Station and Force Main; City of Kenner, LA: 4300 LF of directionally drilled 14” sewer force main and the relocation of the new cattle farm lift station. The lift station included two 6” submersible pumps and associated controls.</p>	<p>➤ With Other Firms</p> <p>Thirty years of experience in utilities maintenance and technical support services with the Sewerage and Water Board of New Orleans (1982-2012)</p> <p>In this role, Mr. Mitchell’s responsibilities included the following:</p> <ul style="list-style-type: none"> ▪ Managed and developed three (3) service departments with a staff of 123. ▪ Responsible for contract work order repairs. ▪ Managed projects from \$20,000 to millions of dollars in construction value. ▪ Reported directly to the Chief of Networks. ▪ Managed inspectors’ routes and overtime. Regularly monitored contracts to keep costs down. ▪ Conducted special analyses and cost comparisons and research reports. ▪ Developed innovative solutions that reduced repair costs. ▪ Set up check points within a work order to manage bottlenecks and deadlines. ▪ Managed the testing of local water and sewer lines. ▪ Managed construction of line and point repairs and replacement of water and sewer lines. ▪ Closed work orders and conducted final inspections. ▪ Managed staff to monitor and inspect job sites. ▪ Monitored production, distribution, data processing, and final reports.
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L. Work by Firm or Joint-Venture members which best illustrates current qualifications relevant to this Project. Please include any and all work performed for Jefferson Parish. Please attach additional pages if necessary.

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Bayou Segnette Drainage Pumping Station; Westwego, LA</p> <p>Owner: Jefferson Parish 1221 Elmwood Park Blvd Harahan, LA 70123</p> <p>Contact: Mark Drewes, PE Director of Public Works (504) 736-6783</p> <div data-bbox="162 1449 462 1690" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><u>N-Y Personnel:</u> C. Nicoladis, PE F. Nicoladis, PE M. Nicoladis, EI, MBA J. Simmons, PE N. Logan, PE D. Voss, NICET</p> </div>	<p>Design, bidding, construction administration and resident inspection for a new 1,200 CFS pumping station with two (2), 600 CFS horizontal pumps driven by diesel engines through gear reducers. The new station was built adjacent to the existing station and was designed to USACE standards.</p> <p>Design features included: a 74' x 74' pump station building & control room tying into the Corps future I-wall flood protection; dolphins for protection of the discharge piping; extension of Drake Avenue Bridge (20' slab spans); concrete T-wall for discharge basin; steel sheet pile walls for intake basin; & widening of the existing intake basin.</p> <div style="display: flex; justify-content: space-around; align-items: center;">   </div>	
<p>Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2005	\$15.5 million	100%

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Westwego No. 1 and No. 2 Drainage Pumping Stations; Westwego, LA</p> <p>Owner: Jefferson Parish 1221 Elmwood Park Blvd Harahan, LA 70123</p> <p>Contact: Mark Drewes, PE Director of Public Works (504) 736-6783</p> <div data-bbox="196 829 496 1037" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><u>N-Y Personnel:</u> C. Nicoladis, PE F. Nicoladis, PE M. Nicoladis, EI, MBA N. Logan, PE D. Voss, NICET</p> </div>	<p>A. Structural Stabilization of Westwego No. 1 Drainage Pumping Station Design of a new 200-foot-long L-shaped, sheet pile cut-off wall as well as miscellaneous concrete and structural steel work.</p> <p>B. Westwego No. 2 Drainage Pumping Station</p> <ul style="list-style-type: none"> i. Design, bidding, construction administration, and resident inspection of a new 936 CFS pump station with diesel driven, vertical pumps; levee improvements; and a pile-supported concrete floodwall. ii. Design, bidding, construction administration, and resident inspection for the procurement and installation of an additional (third) 320 CFS electric powered, vertical pump. (SELA Project) <div data-bbox="690 789 1339 1228" style="text-align: center;">  </div> <div data-bbox="875 1234 1526 1673" style="text-align: center;">  </div>	
<p align="center">Completion Date (Actual or Estimated):</p>	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
<p>A. 1983; B. 1997</p>	<p>A. \$497,000; B. i. \$3.5 million; ii. \$800,000</p>	<p>100%</p>

PROJECT NO. 3

	PROJECT NO. 3	
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations; Jefferson Parish, LA</p> <p>Owner: Jefferson Parish 1221 Elmwood Park Blvd. Harahan, LA 70123</p> <p>Contact: Mark Drewes, PE Director of Public Works (504) 736-6783</p> <div data-bbox="99 999 380 1234" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p><u>N-Y Personnel:</u> C. Nicoladis, PE F. Nicoladis, PE J. Simmons, PE M. Nicoladis, EI, MBA N. Logan, PE D. Voss. NICET</p> </div>	<p>Preparation of the Design Report, Plans and Specifications and Engineering During Construction for this hurricane protection project to provide fronting protection across the entire width of the pumping station discharge areas.</p> <p>The designs consist of a combination of gate and T-wall monoliths and include positive cutoff for backflow prevention using sluice gates at concrete discharge tubes and butterfly valves at steel discharge pipes. Pile supported reinforced concrete T-walls tie the new fronting protection to the existing hurricane flood protection.</p> <div style="display: flex; flex-wrap: wrap;"> <div data-bbox="602 615 1065 982" style="width: 50%;">  <p>Discharge Pipes and Elevated Valve Control Platform</p> </div> <div data-bbox="1000 768 1528 1136" style="width: 50%;">  <p>New Floodwall with Opening for Discharge Pipes</p> </div> <div data-bbox="729 1014 964 1079" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 150px; text-align: center;"> <p>Estelle No. 1</p> </div> <div data-bbox="1029 1157 1511 1514" style="width: 50%;">  <p>Elevated Valve Control Platform</p> </div> <div data-bbox="610 1325 1146 1682" style="width: 50%;">  <p>New Floodwall</p> </div> <div data-bbox="1260 1549 1484 1608" style="border: 1px solid black; padding: 5px; margin: 10px auto; width: 150px; text-align: center;"> <p>Estelle No. 2</p> </div> </div>	
	Estimated Cost:	
Completion Date (Actual or Estimated):	Entire Project:	Work for which Firm was Responsible:
2012	\$35 million	100%

PROJECT NO. 4

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>2,100 CFS Interim Drainage Pump Station at 17th Street Canal; Jefferson Parish, LA</p> <p>Owner: U.S Army Corps of Engineers, New Orleans District 7400 Leake Avenue New Orleans, LA 70160</p> <p>Contact: Chris Dunn, PE Chief Engineer (504) 862-1799</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: C. Nicoladis, PE F. Nicoladis, PE M. Nicoladis, EI, MBA J. Simmons, PE N. Logan, PE D. Voss, NICET</p> </div>	<p>i. Pump Procurement Package for 12, 60 inch diameter, diesel engine driven hydraulic pumps. The pumps were axial flow pumps, each driven by a hydraulic drive unit mounted on diesel engines with a design capacity of 175 CFS.</p> <p>ii. Design and Engineering during Construction of the pump platforms, engine buildings and discharge piping for this 2,100 cfs station. The pump station consisted of two pump platforms, each consisting of six pumps located on either side of the 17th Street Canal. The pump platforms consisted of structural steel members supported on steel H-piles and steel sheet piles which doubled as the suction basins. Each group of three pumps was manifolded to a 108" steel header pipe. The diesel engines and emergency generators are housed on steel pipe pile supported elevated concrete platforms located on each bank of the canal. Each platform supported a metal building that housed the engines; a 20,000 gallon diesel fuel storage tank enclosed in a concrete walled containment area; and a concrete building that housed the control panels, storage space and a pump operator room.</p>	
	  	
	Completion Date (Actual or Estimated):	Estimated Cost:
	Entire Project:	Work for which Firm was Responsible:
2007	\$25 million	100%

PROJECT NO. 5

Project Name, Location and Owner's contact information:

Nature of Firm's Responsibility:

Main Street Drainage Improvements; Plaquemines Parish, LA

A Hydraulics and Hydrology Study utilizing SWMM; and Design, Bidding, Construction Administration and Resident Inspection for new subsurface drainage improvements on Main Street and Avenue "D" including a new 50 CFS drainage pump station discharging to the Mississippi River. The project also includes Environmental Clearance and Permitting.

Owner:
 Plaquemines Parish Government
 102 Avenue G
 Belle Chasse, LA 70037

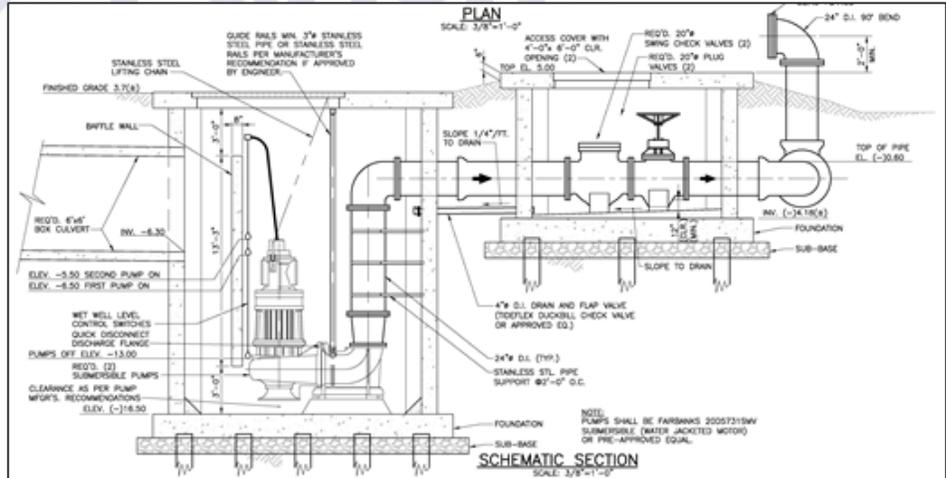
Contact:
 Mr. Ken Dugas, PE
 Director of Engineering
 (504) 297-5343

N-Y Personnel:

- C. Nicoladis, PE
- F. Nicoladis, PE
- F. Mortali, PE
- J. Simmons, PE
- D. Voss, NICET



Main Street Drainage Improvements Under Construction



Completion Date (Actual or Estimated):

Estimated Cost:

Entire Project:

Work for which Firm was Responsible:

2023

\$2.5 million

100%

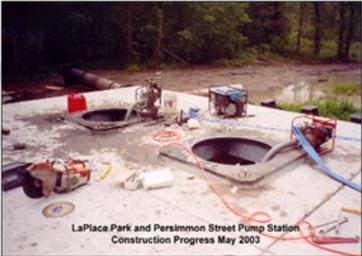
PROJECT NO. 6

<p>Project Name, Location and Owner's contact information:</p>	<p align="center">Nature of Firm's Responsibility:</p>	
<p>East St. John High School Drainage Pumping Station; East St. John High School Drainage Pumping Station, LA</p> <p>Owner: St. John the Baptist School Board 118 West 10th Street Reserve, LA 70084</p> <p>Contact: Clay Slagle Project Manager (318) 294-8700</p> <div data-bbox="131 1010 431 1220" style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: C. Nicoladis, PE F. Nicoladis, PE J. Simmons, PE F. Mortali, PE D. Voss, NICET</p> </div>	<p>Design, Bidding and Construction Administration of a flood protection system around East St. John High School with interior drainage improvements and utility relocations.</p> <ul style="list-style-type: none"> ▪ N-Y prepared the design for an elevated pump station including 3 – 20" pumps, with a capacity of 20,000 gpm (45 CFS), and a back-up generator. The pump station is automated to utilize 1, 2, or 3 pumps as necessary to maintain the desired water level. ▪ N-Y also designed a new \$250,000 sluice gate structure to drain the site during pump station maintenance. <div data-bbox="646 688 1333 1031" style="text-align: center;">  </div> <p align="center">Pump Station</p> <div data-bbox="548 1150 1122 1535" style="text-align: center;">  </div> <p align="center">Sluice Gate</p> <div data-bbox="1166 1247 1528 1661" style="text-align: center;">  </div> <p align="center">Bar Screen</p>	
<p align="center">Completion Date (Actual or Estimated):</p>	<p align="center">Estimated Cost:</p>	
<p align="center">2016</p>	<p align="center">Entire Project:</p>	<p align="center">Work for which Firm was Responsible:</p>
<p align="center">2016</p>	<p align="center">\$1.6 million</p>	<p align="center">100%</p>

PROJECT NO. 7

PROJECT NO. 7					
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:				
<p>Drainage Pumping Stations in St. Charles Parish; St. Charles Parish, LA</p> <p>Owner: Jefferson Parish 1221 Elmwood Park Blvd. Harahan, LA 70123</p> <p>Contact: Mike Palamone, CAO (985) 783-5000</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: C. Nicoladis, PE F. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE N. Logan, PE D. Voss, NICET</p> </div>	<p>A. New Discharge Pipes at Destrehan Drainage Pumping Station No. 1 Design for the installation of three (3) new 48-inch steel discharge pipes at Destrehan Drainage Pumping Station No. 1.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Existing Discharge Pipes</p> </div> <div style="text-align: center;">  <p>New Discharge Pipes to be Installed</p> </div> </div> <p>B. Willowdale Pumping Station Design, Permitting, Bidding, Construction Administration and Resident Inspection for a new 525 CFS drainage pumping station including three, 175 CFS vertical pumps. The pump station is located at the southeast corner of Willowdale Subdivision at the intersection of two main drainage canals. The main canal flowing east along the south boundary of the Willowdale Subdivision is adjacent to the Hurricane Protection Levee maintained by St. Charles Parish.</p>  <p>The levee is supported by the structure of the new station & by sheetpile wing walls extending from both sides of the suction basin to the point where the new levee height is reduced to its existing configuration. The pumps discharge into a three-sided basin with a stone bottom to protect against erosion.</p>				
Completion Date (Actual or Estimated):	Estimated Cost:				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; background-color: #e6e6e6;">Entire Project:</td> <td style="width: 50%; background-color: #e6e6e6;">Work for which Firm was Responsible:</td> </tr> <tr> <td style="text-align: center;">A. \$165,000; B. \$3.6 million</td> <td style="text-align: center;">100%</td> </tr> </table>	Entire Project:	Work for which Firm was Responsible:	A. \$165,000; B. \$3.6 million	100%
Entire Project:	Work for which Firm was Responsible:				
A. \$165,000; B. \$3.6 million	100%				
A. 2019; B. 2004					

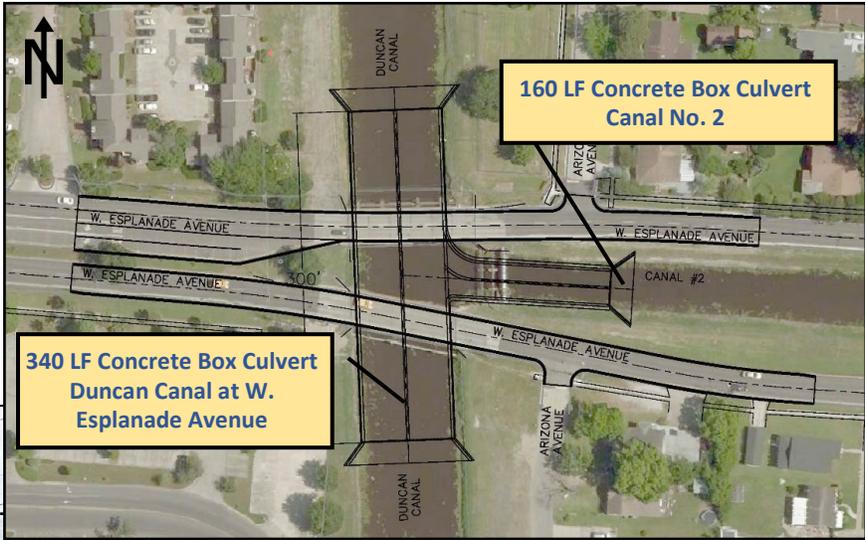
PROJECT NO. 8

<p>Project Name, Location and Owner's contact information:</p>	<p align="center">Nature of Firm's Responsibility:</p>	
<p>Drainage Pump Stations in St. John the Baptist Parish, LA; St. John the Baptist Parish, LA</p> <p>Owner: St. John the Baptist Parish 1801 West Airline Highway LaPlace, LA 70068</p> <p>Contact: President Jaclyn Hotard (985) 652-9569</p> <div style="border: 1px solid black; padding: 5px; margin-top: 20px;"> <p>N-Y Personnel: C. Nicoladis, PE F. Nicoladis, PE M. Nicoladis, EI, MBA D. Voss, NICET</p> </div>	<p>A. Persimmon Street / Joan of Arc Area Drainage Pump Station Preliminary and Final Design, Permitting, Bidding, Contract Administration and Resident Inspection for a 150 hp duplex submersible pump station, subsurface drainage, 16" diameter drainage force main and related utility relocations.</p> <p>B. Riverlands Drainage Pump Stations Preliminary and Final Design, Permitting, Bidding, Contract Administration and Resident Inspection for three (3) duplex submersible drainage pump stations listed below, subsurface drainage and related utility relocations.</p> <ul style="list-style-type: none"> • Welham Loop Pump Station • Chatsworth Drive Pump Station • Parlange Loop Pump Station <p>C. Persimmon Street Pumping Station Preliminary and Final Design, Permitting, Bidding, Contract Administration and Resident Inspection for modifications to an existing 25 cfs drainage pumping station and the permitting and installation of a 16" diameter force main parallel to an existing 12" diameter force main discharging into the Mississippi River.</p> <p>D. Reserve Relief Drainage Pumping Station Preliminary and Final Design, Permitting, Bidding, Construction Administration and Resident Inspection for the construction of a 100 CFS pumping station. The design is based on hydraflow hydraulic pumps which eliminated the need for costly structures. This was the first of its kind installed in St. John the Baptist Parish. The project also included construction of a levee across the Reserve Relief Canal. N-Y also prepared environmental permit applications to the United States Army Corps of Engineers for the levee crossing portion of the project.</p>	   
<p>Completion Date (Actual or Estimated):</p>	<p align="center">Estimated Cost:</p>	
<p>A. 2012; B. 2011; C. 2003; D. 2002</p>	<p align="center">Entire Project:</p> <p>A. \$1.5 million; B. 1.2 million; C. \$250,000; D. \$500,000</p>	<p align="center">Work for which Firm was Responsible:</p> <p align="center">100%</p>

PROJECT NO. 9

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Additions to Drainage Pumping Station No. 11; New Orleans, LA</p> <p>SELA Project</p> <p>Owner: Sewerage and Water Board of New Orleans 625 St. Joseph Street New Orleans, LA 70115</p> <p>Contact: Renee Lapeyrolerie Chief of Staff (504) 865-0650</p> <p>N-Y Personnel: C. Nicoladis, PE F. Nicoladis, PE M. Nicoladis, EI, MBA J. Simmons, PE N. Logan, PE D. Voss, NICET</p>	<p>Design, bidding, construction administration, and resident inspection services for a 10,000 SF pump house, two, 500 CFS pumps, and related electrical/mechanical systems and controls. The project included two (2) I-walls and one T-wall, along with improvements to the levee along the Gulf Intracoastal Waterway. The project was completed while keeping the existing station operational to avoid flooding within the drainage area. The installation of the two (2), 500 cfs horizontal shaft axial flow propeller pumps included motors, speed reducers, controls, vacuum priming pumps, a diesel generator and fuel tanks.</p> <p>The project also included demolition and removal of the existing mechanical screen cleaners and furnishing and installing new mechanical screen cleaners for the existing station and addition. Installation of miscellaneous mechanical systems included ventilation and air conditioning, sanitary systems, sump pump systems, an overhead traveling crane (20 ton), and water level monitoring and recording systems.</p>	
		
	Estimated Cost:	
Completion Date (Actual or Estimated):	Entire Project:	Work for which Firm was Responsible:
1996	\$13.4 million	100%

PROJECT NO. 10

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Improvements to Duncan Canal and West Esplanade Avenue; Kenner, LA</p> <p>Owner: City of Kenner 1801 Williams Boulevard Kenner, LA 70062</p> <p>Contact: Jose' Gonzalez, PE Chief Administrative Officer (504) 468-7240</p>	<p>A Hydraulics Study using HEC-RAS and LADOTD Standards, and Preliminary and Final Design of a 38'w x 13'h double barrel, 3000 CFS, 340 LF reinforced concrete box culvert which will replace the existing bridges and improve stormwater flow in the Duncan Canal at its intersection with Canal No. 2 at West Esplanade Avenue. N-Y also designed a 160 LF, 14'w x 8'h double barrel reinforced concrete box culvert in Canal No. 2, which intersects with the Duncan Canal.</p> <p>The project also includes the reconstruction of approximately 700 LF of eastbound and westbound W. Esplanade Avenue and included a topographic & title survey, geotechnical investigation, traffic engineering, environmental assessment and landscape architecture and beautification/enhancements.</p>	
	<div style="border: 1px solid black; padding: 5px; background-color: #e6f2ff;"> <p>N-Y Personnel: F. Nicoladis, PE C. Nicoladis, PE M. Nicoladis, EI, MBA F. Mortali, PE J. Simmons, PE D. Voss, NICET</p> </div>	
		
Completion Date (Actual or Estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
2022	\$13 million	100%

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	

N-Y has no on-going legal proceedings with Jefferson Parish.

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project.

SECTION N. TABLE OF CONTENTS

- I. EXECUTIVE SUMMARY
- II. MINIMUM QUALIFICATIONS
- III. EVALUATION CRITERIA
 - 1. Professional Training and Experience
 - 2. Size of Firm
 - 3. Capacity for Timely Completion
 - 4. Past Performance
 - 5. Location of the Principal Office
 - 6. Adversarial Legal Proceedings
 - 7. Prior Successful Completion of Projects
- IV. QUALITY ASSURANCE PROGRAM
- V. THE N-Y ADVANTAGE

II. MINIMUM QUALIFICATIONS

1. One Principal who is a Professional Engineer who shall be registered as such in Louisiana:
 - Frank Nicoladis, PE
LA PE No. 5924, Expires 03/31/2025
67 Years of Experience
2. A Professional in Charge of the project who is a Professional Engineer who shall be registered as such in Louisiana with a minimum of five (5) years experience:
 - Constantine F. Nicoladis, PE
LA PE No. 27095, Expires 09/30/2025
37 Years of Experience
3. One Employee who is a Professional Engineer registered as such in Louisiana in the field or fields of expertise required for the project. A sub-consultant may meet the requirement only if the advertised project involves more than one discipline:
 - James Simmons, PE
LA PE No. 19891, Expires 09/30/2025
47 Years of Experience
 - Fred Mortali, PE
LA PE No. 35111, Expires 03/31/2026
31 Years of Experience
 - William Haensel, PE, PLS
LA PE No. 13375, Expires 03/31/2025
43 Years of Experience

I. EXECUTIVE SUMMARY

Although N-Y Associates, Inc. is sometimes mistaken for “New York”, N-Y is actually a fifty-five (55) year-old family owned, multi-discipline firm founded and headquartered in Jefferson Parish. Offering extensive local experience, N-Y has been providing engineering, architecture, planning and project management services to federal, state, regional, parish and city agencies throughout southern Louisiana since 1969.

N-Y’s staff includes civil, hydraulic and structural engineers; project managers; architects; urban planners; construction inspectors and technical support personnel, each of whom offers experience providing professional services on drainage and flood control projects throughout Jefferson Parish and the metro area.

N-Y has worked extensively throughout Jefferson Parish since its inception. Our public agency clients include the Parish, the Jefferson Parish School Board, the City of Kenner, LADOTD, and the Regional Planning Commission. This longevity has provided N-Y with extensive knowledge of the design criteria, system of approvals, and construction methods unique to infrastructure in this area.

II. EVALUATION CRITERIA

1. Professional Training and Experience

➤ Personnel

N-Y possesses highly qualified & experienced personnel, who have the experience, educational background, and are licensed/certified to provide services for Drainage Pump Station Projects in Jefferson Parish. The professional qualifications, integrity, reliability and commitment of our personnel has earned N-Y an excellent reputation among our clients.

Constantine F. Nicoladis, PE, Senior Vice President and Civil Engineer, will serve as Project Manager. He has 37 years of experience and is in responsible charge of the design and construction engineering of the firm's municipal and parish drainage work. Mr. Nicoladis extensive experience includes drainage pumping stations, major subsurface drainage improvements, drainage canals, box culverts, utilities relocation and roadway reconstruction in Jefferson and Orleans Parishes.

Mr. Nicoladis will be supported by a team of senior engineers and support personnel with over 30 years average experience, as outlined below. Most of these professionals have been with N-Y over twenty (20) years.

- **James Simmons, PE:** Vice President and Civil Engineer who has a B.S. in Civil Engineering and 47 years of related experience. *Mr. Simmons experience includes N-Y's work in Jefferson Parish on roadway and drainage projects, including Improvements to Destrehan Ave., Phases I and II; Improvements to West Esplanade Ave., from Bonnabel Blvd. to Cleary Ave.; Improvements to Veterans Blvd., from David Dr. to Roosevelt Blvd.; and Improvements to West Napoleon Ave., from Cleary Ave. to Houma Blvd.*
- **Fred Mortali, PE:** Civil & Hydraulic Engineer with a Bachelor of Engineering in Civil Engineering and 31 years experience. *Mr. Mortali recently served as the Program Manager for the Design and Construction of \$83 million of FEMA funded concrete and asphalt street improvements for the East Bank of Jefferson Parish. He was responsible for the overall program implementation including the oversight of five (5) design engineers and approx. twenty (20) construction contractors, as well as providing the Parish with the necessary documentation for FEMA's Project Worksheets.*

- **Neil Logan, PE:** Senior Civil & Structural Engineer, who has a B.S. in Civil Engineering and 63 years of experience. *Mr. Logan has extensive experience designing large drainage structures - such as the Improvements to Drainage Canal No. 3 in Jefferson Parish which consisted of an 1800 LF, 90' wide concrete flume section with side slope paving and a capacity of 4000 CFS.*

- **Dennis Voss, NICET:** Senior Engineering Technician with 58 years experience. He has been certified by the National Institute for Certification in Engineering Technology as a Level IV Technician. *Mr. Voss has provided Civil Engineering Design services for virtually every drainage project that N-Y has undertaken in Jefferson Parish.*

➤ Subconsultants

To supplement our in-house staff, we will utilize the following subconsultant firms, each of which have extensive experience working with N-Y and in Jefferson Parish.

- **IMC Consulting Engineers, Inc. will provide all required mechanical (ancillary systems) and electrical engineering services.**
- **BFM Corporation, LLC will provide all required topographic surveying.**
- **Gulf South Engineering and Testing, Inc. will provide all required geotechnical engineering.**

N-Y is considered a leader in the engineering field. Our professional staff members keep abreast of the latest technological advances and are active members in a variety of professional organizations including:

- American Society of Civil Engineers
- Society of American Military Engineers
- Council of Engineering Companies of Louisiana
- Louisiana Engineering Society
- American Council of Engineering Companies
- American Public Works Association
- National Society of Professional Engineers
- American Concrete Institute
- Water Environment Federation
- American Waterworks Association
- American Planning Association
- National Green Infrastructure Certification Program
- American Institute of Architects
- Louisiana Architects Association

2. SIZE OF FIRM

N-Y's current staff of professional and support personnel are capable of performing the engineering tasks anticipated from this contract. N-Y has the capacity to effectively perform this work with its existing staff and meet the schedule set by the Parish.

3. CAPACITY FOR TIMELY COMPLETION

The N-Y Team has ample personnel, computer software and equipment to provide the tasks related to this contract in a timely, efficient and cost effective manner. Taking into consideration the firm's present and projected workload, the depth of our staff will ensure that your project will progress even with normal loss of staff time due to vacations, sick leave and other absences.

4. PAST PERFORMANCE

➤ Cost

N-Y has earned a reputation for consistently designing projects whose construction costs are within budget requirements. This record of successful construction cost control is maintained by an aggressive in-house program of monitoring each project during the concept, preliminary, & final design phase as well as during the construction phase.

The N-Y staff has considerable experience in the analysis and review of cost projections so that cost control is coordinated, and effective as evidenced by most of our recent projects where the actual bid by the general contractor has been within a few percentage points of N-Y's estimate and the owner's programmed budget.

Our goal is to be *pro-active* to avoid and mitigate unforeseen conflicts and to address potential problems before they occur. As a result, disputes and change orders can be minimized and projects can be completed on time and within budget.

➤ Quality of Work

The quality of our services in the area of planning, design, and construction administration services has been consistently commended by our clients, including projects for the federal government and Jefferson Parish. Most of the firm's clients are repeat clients. N-Y has been working with many clients since it was established 53 years ago.

➤ Compliance with Performance Schedules

N-Y has an established performance record of successfully completing design and/or construction phase services, including the coordination of the services of outside consultants, in accordance with schedules which have been approved by our clients. As a testament to its professionalism and successful project execution, N-Y has been repeatedly selected to provide professional services for many of its clients, including:

- **Jefferson Parish:** N-Y has been providing engineering services in Jefferson Parish continuously for over fifty (50) years. *Provided after this section are Letters of Recommendation from Mark Drewes, Director of Engineering and Reda Youssef, former Director of Capital Projects attesting to the exceptional services provided by N-Y.*
- **Louisiana Department of Transportation and Development:** *N-Y has been providing professional services continuously for LADOTD since 1975* for the following types of projects: *Stage 0:* Feasibility Studies, Line & Grade Studies, Environmental Inventories and Corridor Studies; *Stage 1:* Environmental Assessments; Environmental Impact Statements; and Construction Plans and Specifications for Roadway, Highway and Bridge Projects.
- **City of New Orleans, Department of Public Works:** *N-Y has been providing professional engineering services continuously for roadway enhancement and reconstruction projects for NODPW since 1980.* Over the past forty-five (45) years, N-Y has prepared plans and specifications and provided construction engineering and resident inspection for the reconstruction of over twenty (20) miles of concrete and asphalt urban streets in the City of New Orleans.
- **U.S. Army Corps of Engineers, New Orleans District:** N-Y met all its interim and final deadlines on over forty (40), post-Katrina Task Orders for the USACE, New Orleans District. *As a testament to the USACE's confidence in N-Y, in 2020 N-Y was one of only four firms (and 1 of only 2 local firms) in the New Orleans District that was awarded a new five-year, General Engineering Services Indefinite Delivery contract.*

N-Y has not had any significant problems with time delays or cost overruns, except in the case of owner-requested and/or owner-approved changes to the original scope of work. **Ninety-five percent (95%) of our work is for government agencies.**

➤ **Public Contracts**

N-Y has an excellent professional reputation with all of its clients in the south Louisiana area. The firm has provided services to virtually every public agency in the metropolitan area as well as various State and Federal agencies.

Regional Clients:

- Jefferson Parish, Department of Public Works
- Jefferson Parish, Department of Capital Projects
- Jefferson Parish School Board
- City of Kenner
- St. Bernard Parish Government
- St. Bernard Port, Harbor and Terminal District
- St. Bernard Parish School Board
- St. Tammany Parish Government
- St. Tammany Parish School Board
- City of Slidell
- Plaquemines Parish Government
- City of New Orleans, Capital Projects Administration
- City of New Orleans, Department of Public Works
- Sewerage and Water Board of New Orleans
- New Orleans Aviation Board
- Housing Authority of New Orleans
- Orleans Levee District
- Orleans Parish School Board
- Port of New Orleans
- Port of South Louisiana
- St. Mary Parish Library Board
- St. Charles Parish Library Board
- St. Charles Parish, Department of Public Works
- St. John the Baptist Parish Dept. of Public Works

State Clients:

- LA Department of Transportation and Development
- Division of Administration, Facility Planning & Control
- LA Department of Education, Recovery School District

Federal Clients:

- United States Army Corps of Engineers
- United States Department of Labor
- United States Coast Guard
- Naval Support Activity, New Orleans Division
- Naval Facilities Engineering Command
- United States Postal Service
- United States Fish and Wildlife Service
- United States Department of Veterans Affairs

5. LOCATION OF THE PRINCIPAL OFFICE

All of N-Y's work will be performed from our local office in Jefferson Parish at 2750 Lake Villa Drive, Metairie, LA 70002.

6. ADVERSARIAL LEGAL PROCEEDINGS

N-Y has no on-going legal proceedings with Jefferson Parish.

7. PRIOR SUCCESSFUL COMPLETION OF PROJECTS

N-Y has been providing engineering services in Jefferson Parish continuously for over forty-seven (47) years and has successfully completed many projects for the Parish, including the following drainage pump station projects:

- New Bayou Segnette Drainage Pumping Station
- Westwego No. 1 and No. 2 Drainage Pumping Stations
- Fronting Protection for Estelle No. 1 (Old) and Estelle No. 2 (New) Pumping Stations
- 2,100 CFS Interim Drainage Pump Station at 17th Street Canal

Detailed information regarding these projects is highlighted in Section L of this TEC Questionnaire.

III. QUALITY CONTROL/ASSURANCE PROGRAM

N-Y considers quality control/assurance and technical review a critical component of our client service philosophy. N-Y's repeated selection by government agencies and private sector clients attests to the quality and consistency of our work. **N-Y has established a Quality Control/Assurance Plan which is customized to meet the individual client's needs and is overseen on each project by the Principal and Project Manager.**

We recognize that a Quality Control/Assurance Plan is only effective if a project is staffed by experienced, responsible and motivated professionals. N-Y's Quality Control/Assurance Plan includes carefully organizing the project team with the Project Manager as team leader and communicating effectively with all persons involved in the design and review processes.

- During the initial phase of the Quality Control/Assurance process, each team member is provided with the Scope of Work to become familiar with the job and formulate any questions or concerns that they may have. Next, the team gathers for a thorough review of the supplied Scope of Work. During this review process, the team collaborates to achieve a clear understanding of the Scope of Work in its entirety. This process takes place as an open forum in which members ask questions that they may have for clarification, with each member being able to contribute their own expertise. Questions that are unable to be answered collectively as a team are documented and compiled into a list for discussion with the Owner. This meeting clarifies and/or resolves any outstanding issues upfront.
- Next, we address the assurance of compliance with any government technical manuals or documents that govern or control design activities that will be performed. A review of each of these documents is carried out, ensuring that each is the most current version. Each element of work to be performed is reviewed for compliance with these documents.
- Project timelines are created to adequately assess each phase of the project. Each phase contains key milestones, as well as completion schedules to confirm that due dates are adhered to. By utilizing these project timelines, Quality Control/Assurance issues are resolved in an efficient and timely manner and not allowed to continue into subsequent phases of the project.

- At the start of the design process, the applicable disciplines and quality assurance reviews are planned. Manhours specifically dedicated to quality assurance reviews are allocated to the project budget. Adequate time is budgeted in the project schedule for the review process and any modifications that may be required. The Quality Control/Assurance Plan is reviewed and approved by the Project Manager. The work product and submittal items of all disciplines are then reviewed prior to each submittal by **Independent Technical Reviewers (ITR)** in each discipline who are not directly involved with the project. The Project Manager also checks and reviews final work products prior to submittals to the client.
- The Principal and the Project Manager receive management information system reports of project progress. Regularly scheduled staff meetings are held, in which projects are reviewed for conformance with predetermined completion schedules. If required, schedules and staffing are promptly adjusted to ensure deadlines are met without any sacrifice in quality.

This multi-level system of quality assurance checks and balances, including detailed reviews by Independent Technical Reviewers, submittal review by the Project Manager, and program monitoring and implementation by the Principal, is the core of N-Y's Quality Control/Assurance Plan.

N-Y's Quality Control/Assurance Plan also extends to each of our subconsultant firms. We insist not only that the leaders of each discipline become involved in the planning and design process, but also the principals of each firm. This raises the level of accountability of our subconsultant firms' team members. N-Y's Quality Control/Assurance Plan will be implemented in parallel with its sub-consultants', incorporating the best attributes of each, to ensure a seamless division of responsibility between the firms.

N-Y maintains, as always, its goal of adherence to client's schedules and budgets. We are constantly striving to improve our Quality Control/Assurance Plan to deliver the highest quality plans and specifications possible and to minimize changes to construction contracts.

IV. THE N-Y ADVANTAGE

N-Y Associates, Inc. is dedicated to providing high-quality, timely, and cost-effective professional services, strongly believing in a management system that recognizes its client's needs. N-Y strives to ensure an excellent working relationship is established with each of its clients by:

- Personally assisting the client from the very early planning stages of the project to the completion of construction;
- Having principals become personally involved in keeping the lines of communication open with the client;
- Assigning experienced project managers who offer innovative and proven solutions to meet the client's needs;
- Making every effort to ensure our resources are efficiently utilized to meet a project's schedule and adhere to a project's budget;
- Managing, Designing and/or Constructing projects that meet or exceed the client's expectations in functionality, low-maintenance, quality, and longevity.

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

Signature: _____

Print Name: Michael F. Nicoladis

Title: President

Date: 8/29/2024

N-Y ASSOCIATES, INC. LICENSES

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

Name:	Public Address:
N-Y Associates, Inc.	Mr. Michael Nicoladis 2750 Lake Villa Drive, Suite 100 Metairie, Louisiana 70002-6797

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0000585	Active	09/26/1984	09/30/2025	Mr. Frank Nicoladis # PE.0005924; Mr. Constantine Frank Nicoladis #PE.0027095

**USACE, NEW ORLEANS DISTRICT
ACASS RATINGS**

Levee Periodic Inspection for Mississippi River West Bank – Below Morganza Levee System in Pointe Coupee, West Baton Rouge, Iberville, New Iberia, Ascension and St. Martin Parishes, LA (2020)

Official Comments: *“The contractor provided an excellent work product. The contractor conducted a thorough inspection of the levee system and delivered high quality report in accordance with levee safety guidelines. The contractor completed all tasks ahead of schedule or within the time allotted. The contractor was able to manage their own work and required very little guidance.”* **RATING: EXCEPTIONAL**

Levee Periodic Inspection for Non-Federal Levee Systems in Terrebonne Parish, LA (2019)

Official Comments: *“All work has been completed on schedule, at no additional cost and without any issues or problems.” “Given what I know today about the contractor’s ability to perform in accordance with this contract or order’s most significant requirements, I would recommend them for similar requirements in the future.”* **RATING: EXCEPTIONAL**

Levee Periodic Inspection for Caernarvon to Phoenix Polder Levee System in Plaquemines Parish, LA (2018)

Official Comments: *“The contractor delivered excellent work product that is a valuable asset to the MVN Levee Safety Program.” “Completed all tasks ahead of schedule or within the time allotted; Completed all tasks within awarded budget without the need to renegotiate.” “Given what I know today about the contractor’s ability to perform in accordance with this contract or order’s most significant requirements, I would recommend them for similar requirements in the future.”* **RATING: EXCEPTIONAL**

Levee Periodic Inspection for Angola Ring Levee and Simmesport Ring Levee in West Feliciana Parish, LA (2018)

Official Comments: *“The contractor delivered excellent work product that is a valuable asset to the MVN Levee Safety Program.” “Completed all tasks ahead of schedule or within the time allotted; Completed all tasks within awarded budget without the need to renegotiate.” “Given what I know today about the contractor’s ability to perform in accordance with this contract or order’s most significant requirements, I would recommend them for similar requirements in the future.”* **RATING: VERY GOOD**

Project Management Support for Flood Risk Management Risk Consequence Data in the MVN Area of Responsibility (2018)

Official Comments: *“The contractor maintained and managed the project very well, no issues.” “The contractor met the standards of the contract, performed tasks according to their schedule and did not run over the budget.” “Given what I know today about the contractor’s ability to perform in accordance with this contract or order’s most significant requirements, I would recommend them for similar requirements in the future.”* **RATING: VERY GOOD**

100% Final Design for Manchac Levee Enlargement in East Baton Rouge and Iberville Parishes, LA (2013)

Official Comments: *“The A/E was easy to work with and the products were delivered on time.” “N-Y Associates did an excellent job in preparing the P&S.”* **RATING: EXCEPTIONAL**

Engineering during Construction for Manchac Levee Enlargement in East Baton Rouge and Iberville Parishes, LA (2015)

Official Comments: *“Excellent quality of work.” “Excellent and timely management.” “Excellent work product and cost control.” “Given what I know today about the contractor’s ability to perform in accordance with this contract or order’s most significant requirements, I would recommend them for similar requirements in the future.”* **RATING: EXCEPTIONAL**

PAST PERFORMANCE QUESTIONNAIRE

Contractor: **N-Y Associates, Inc.**

The contractor or subcontractor named above, who is doing business (or has done business with your organization in the past, provided your name as a reference for past performance to the USDA Forest Service. The contractor was informed, via a solicitation provision, that by listing you as a reference and requesting your submission of this questionnaire, they are authorizing you to release information to our agency relative to their past performance, whether positive or negative. Responses will be treated as source selection sensitive information.

Please answer the questionnaire, using adjectival ratings provided. Handwritten or electronic responses are acceptable. If you need more space than provided, please attach additional pages. Email, scan or fax the completed questionnaire directly from you to the attention of the Gemaa Pelch: *Fax: (601)965-1788, *Email: gpelch02@fs.fed.us

Name of Respondent: **Reda Youssef, PE**

Title: **Director of Capital Projects**

Agency/Company Name: **Jefferson Parish**

Telephone Number: **(504) 736-6833**

Email Address: **ryoussef@jeffparish.net**

Contract Number/ Project Reference Number: **Various; N-Y has worked continuously for Jefferson Parish since 1976.**

Description of Project: **Design of Roadway, Bridge, Water, Sewerage and Drainage Improvements**

Project Location: **Jefferson Parish, LA**

Total Contract Value: **Numerous Contracts: +/- \$100,000 to \$2,500,000 each**

Period of Performance: **2006-2018**

Explanation of Adjectival Ratings:

E	EXCEPTIONAL: Performance met contractual requirements and substantially exceeded most (requirements). Any problems encountered resulted in corrective actions taken by the contractor which exceeded expectations and were highly effective. Contractor consistently performed at the highest level.
V	VERY GOOD: Performance met contractual requirements and exceeded some (requirements). Any problems encountered resulted in corrective actions taken by the contractor which were effective.
S	SATISFACTORY: Performance met all minimum requirements. Any problems encountered resulted in corrective actions taken by the contractor which appear or were satisfactory.
M	MARGINAL: Contractor met contract requirements with minor government agency resource oversight or assistance. Performance appeared weak in meeting all minimum contractual requirements.
P	POOR: Performance may not have met minimum contractual requirements or nonconformance jeopardized the achievement of contract requirements. Performance necessitated major government agency oversight or assistance.
N	NEUTRAL: Relevant past performance does not exist or information is not available. Offeror is not evaluated favorably or unfavorably.

PAST PERFORMANCE QUESTIONNAIRE

Contractor: N-Y Associates, Inc.

Using the codes above, circle the appropriate letter for each item on the questionnaire and record any comments.

QUALITY OF WORKMANSHIP

- Rate the contractor's compliance with contract terms and conditions and statement of work.

E V S M P N

Comments:

- Did the contractor provide adequate, competent and qualified management, key personnel and technical personnel capable of meeting contract requirements throughout the performance period of the contract?

E V S M P N

Comments:

- How well did the contractor work independent of agency guidance, oversight and assistance?

E V S M P N

Comments:

- How effective was the contractor in meeting Cost/Price performance targets and controlling costs (i.e. changes, etc.)? Did they demonstrate reasonableness in modifications scope and costs?

Comments:

- Were subcontractors/tradesmen adequately managed and coordinated? Explain any subcontracting issues (positive or negative) that impacted the performance of your contract(s).

E V S M P N

Comments:

CUSTOMER SATISFACTION

- How reasonable and cooperative was the contractor during performance?

E V S M P N

Comments:

- How committed was the contractor to customer satisfaction?

E V S M P N

Comments:

TIMELINESS OF PERFORMANCE

- How well did the contractor adhere to the agreed-to schedule?

E V S M P N

Comments:

PAST PERFORMANCE QUESTIONNAIRE

Contractor: N-Y Associates, Inc.

- Did the contractor provide timely notice of delays/schedule revisions?
What were the causes of any schedule variances?

E	V	S	M	P	N
---	----------	---	---	---	---

Comments:

- Were data, deliverables, and reports submitted on time?

E	V	S	M	P	N
----------	---	---	---	---	---

Comments:

SAFETY RECORD

- How effective was the contractor's safety program to ensure compliance with federal, state and local regulations?

E	V	S	M	P	N
---	---	---	---	---	---

Comments: **NOT APPLICABLE**

- Did the contractor implement and follow their safety plan?

E	V	S	M	P	N
---	---	---	---	---	---

Comments: **NOT APPLICABLE**

- Did they run a "safe jobsite"?

E	V	S	M	P	N
---	---	---	---	---	---

Comments: **NOT APPLICABLE**

OVERALL PAST PERFORMANCE

- What is your overall rating of the contractor's performance?

E	V	S	M	P	N
----------	---	---	---	---	---

Comments:

- What are the contractor's strengths? **Knowledgeable & Follows up to complete assignments**

- Did you recognize any weaknesses of the contractor during performance? **NO**

- Given the choice, would you work with this contractor again? Why or why not?

YES	NO
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Because of pleasant experience with his past performance in many projects.

Thank you for your assistance.

1. Use this form to report vendor performance (positive or negative) for rendering of Professional services and construction.
2. The person designated for accepting services is responsible for filling out this form (type or print). Only page 1 is required, if page 2 is not used. However, if any area on page 1 is marked "unsatisfactory", page 2 must also be filled out and submitted with page 1 (see page 2, Explanations/Comments, when marking "unsatisfactory"). Page 2 is NOT restricted to "unsatisfactory" comments. If you have something good you want on record, use page 2. Attach documents, if applicable.
3. SWBNO Contracts: at a minimum this form MUST be completed and submitted not later than 2 weeks after completion/expiration of a SWBNO contract for professional services or construction. Past performance is considered on future contracts.
4. Send SIGNED form to: Office of Procurement 625 St. Joseph Street, New Orleans, LA. 70112
Attn: Director of Procurement

VENDOR INFORMATION	COMPLETE ALL APPLICABLE INFORMATION
Company/ Vendor: N-Y ASSOCIATES, INC	Contract Number No: Description/ Title: H0952 XX
Mailing Address: 2750 LAKEVILLA DRIVE	Contract Term (Dates) To: 09/2016 From: 01/2019
City, St, Zip Code: METairie, LA 70002	Purchase Order Number: ACCENT PV :: 159297
Representative Evaluated: ARCHITECTS & ENGINEERS	Task Order Number: N/A
Telephone Number: 504 885-0500	Other Reference: N/A
Fax Number: 504-885-0595	

DEFINITIONS

OUTSTANDING – Vendor considerably exceeded minimum contractual requirements or performance expectations of the products/services; The vendor demonstrated the highest level of quality workmanship/professionalism in execution of contract.

EXCELLENT (Exc) - Vendor exceeded minimum contractual requirements or performance expectations of the products/services.

SATISFACTORY (Sat) - Vendor met minimum contractual requirements or performance expectations of the products/services.

UNSATISFACTORY - Vendor did NOT meet the minimum contractual requirements or performance expectations of the products and/or services; Performed below minimum requirements (see page 2, Explanations/Comments)

EVALUATIONS: (Place "X" in appropriate box for each major area.)

Criteria (includes change orders/amendments)	Out-standing	Exc	Sat	Un-Sat	Not Apply
1. Supplies delivered/Work performed on schedule.	X				
2. Condition of delivered supplies (includes handling/packaging). BOARDS	X				
3. Quality of deliveries/work performance.	X				
4. Adherence to specifications/statement of work.	X				
5. Resolved problems/customer complaints timely. REDDESIGNS	X				
6. Working relationship/interfacing with staff/public sector (citizens) SUPD	X				
7. Service Call (On-Call) response time. SERVICE GATE & FILTER GALLERY	X				
8. Other (specify):					
9. Overall evaluation of compliance with contract requirements.	X				
	Yes	No	N/A		
10. Compliance with DBE participation and reporting	X				
11. Compliance with Local Hire/Living Wage participation and reporting	X				

EVALUATED BY

Signature: 	Date of Evaluation: 11/16/18
Print Name: RYAN BATTAGLIA, P.E.	Department/Division: CIVIL ENGINEERING
Title: SENIOR ENGINEER	Telephone No: 504 865-0454

Company/
Vendor Name: N-Y ASSOCIATES, INC.

Contract Number and/or Other Reference: H0952 XX (8154)
(8157)

Contract Ref No.	EXPLANATIONS/COMMENTS
	<p>1. Do not submit page 2 without page 1. 2. Be specific (include paragraph and page numbers referenced in the applicable contract, purchase order, etc.). Continue on separate sheet (enter company name and contract number or other reference)</p> <p><u>N-Y ASSOCIATES, INC. ENGINEERING AND ARCHITECTURAL SERVICES WERE TASKED WITH DESIGNING A FEMA P-361 SAFE HOUSE AT THE CARRINGTON WATER PLANT. THE DESIGN INCLUDED A NEW BUILDING AND RETROFITTING EXISTING BUILDINGS TO CURRENT CODES. N-Y WORKED WITH SWANO GRANT MANAGERS AND WAS INSTRUMENTAL IN NAVIGATING FUNDING REQUIREMENTS WITH CONSENT. THEY COORDINATED SCHEDULES AND LOGISTICS WITH SEVERAL CONSULTANTS ON NEIGHBORING PROJECTS. N-Y WAS ALSO FLEXIBLE WITH SWANO'S SCHEDULE REQUESTS AND FLUCTUATING SCOPE. I WOULD RECOMMEND USING BOTH N-Y'S ARCHITECTURAL & ENGINEERING SERVICES.</u></p>

Ref No.	ACTION TAKEN BY VENDOR (reply below or submit separate correspondence)

NAME/TITLE OF VENDOR REPRESENTATIVE	SIGNATURE	DATE
-------------------------------------	-----------	------

FOR PROCUREMENT SERVICES OFFICE USE ONLY

" " findings have been determined as VALID () NOT VALID (). Reasons:

Signature:	Date:
Name/Title:	Telephone No:

Louisiana Department of Education

Section I. RATING

Using the Rating Scale provided below, rate the following numbered items by circling the appropriate number for each item:

Rating Scale Category	Score
Poor or Inadequate Performance	0
Below Average	1 – 3
Average	4 – 6
Above Average	7 -9
Excellent	10

Circle **ONE** number for each of the following numbered items:

1. Rate the overall quality of the vendor's services:

10 9 8 7 6 5 4 3 2 1 0

2. Rate the response time of this vendor:

10 9 8 7 6 5 4 3 2 1 0

3. Rate how well the agreed upon, planned schedule was consistently met and deliverables provided on time.

(This pertains to delays under the control of the vendor):

10 9 8 7 6 5 4 3 2 1 0

4. Rate the overall customer service and timeliness in responding to customer service inquiries, issues and resolutions:

10 9 8 7 6 5 4 3 2 1 0

5. Rate the knowledge of the vendor's assigned staff and their ability to accomplish duties as contracted:

10 9 8 7 6 5 4 3 2 1 0

6. Rate the accuracy and timeliness of the vendor's billing and/or invoices:

10 9 8 7 6 5 4 3 2 1 0

7. Rate the vendor's ability to quickly and thoroughly resolve a problem related to the services provided:

10 9 8 7 6 5 4 3 2 1 0

8. Rate the vendor's flexibility in meeting business requirements:

10 9 8 7 6 5 4 3 2 1 0

9. Rate the likelihood of your company/organization recommending this vendor to others in the

future:

10

9

8

7

6

5

4

3

2

1

0

Section II. GENERAL INFORMATION

1. Please include a brief description of the services provided by this vendor:

Project design, deliver product on time, merge all subconsultants related to the project, complete and deliver the project on time

2. During what time period did the vendor provide these services for your business? Month:

Year: 2015 to Month: JUNE Year: 2022

Section III. ACKNOWLEDGEMENT

I affirm to the best of my knowledge that the information I have provided is true, correct, and factual:

Pierre Charbonnet

Signature of Reference

Project Manager

Title

PIERRE CHARBONNET

Print Name

504-915-2830

Phone Number

PIERRE.CHARBONNET@JACOBSCSRS.COM

Email Address

5/18/22

Date

Jefferson Parish Sheriff's Office



August 12, 2024

To Whom it May Concern,

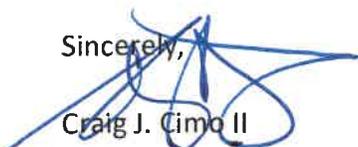
I am Craig J. Cimo II, General Services Commander for the Jefferson Parish Sheriff's Office. My division manages all building maintenance, repairs, renovations and construction for the Sheriff's Office.

I have utilized N-Y Associates to design and manage several projects for the Jefferson Parish Sheriff's Office. The design, plans and specifications were done very efficiently and comprehensively which resulted in a smooth process from the public bid through the completion of the projects.

Currently, we are utilizing N-Y Associates for the Jefferson Parish Sheriff's Office Tornado Repair Project. Following the tornado and subsequent required remediation to our 100,000 SF Building, we engaged N-Y to Engineer, Design and Plan the extensive repairs needed to place this critical building back into use as quickly as possible. This was a very complex project, requiring extensive Structural, Mechanical and Electrical Engineering, as well as, Architectural Design due to the severe damage to the building. N-Y Associates response was swift and efficient. They provided a complete set of Plans and Specifications in record time. We had very minimal time for plan review, before going to bid, due to the need to place the building back into use. Once awarded, the project proceeded on schedule with very minimal Change Orders resulting from the Plans and Specifications. All Requests for Information and the few changes were handled efficiently and effectively. The project is now Substantially Complete.

Jefferson Parish Sheriff's Office is currently utilizing N-Y Associates on a new project and I would recommend N-Y Associates based on their past and current performance and professionalism.

Sincerely,


Craig J. Cimo II
504-940-8199

3. IMC CONSULTING ENGINEERS, INC.

**Subconsultant: Mechanical (ancillary systems) and
Electrical Engineering**

- **TEC Professional Services Questionnaire**

IMC

CONSULTING ENGINEERS

INC.

TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

B. Firm Name & Address:

C. Name, title and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline.

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

<input type="checkbox"/> Administrative	<input type="checkbox"/> Estimators	<input type="checkbox"/> Specification Writers
<input type="checkbox"/> Architects (Licensed)	<input type="checkbox"/> Geologists	<input type="checkbox"/> Structural Engineers
<input type="checkbox"/> Chemical Engineers	<input type="checkbox"/> Geotechnical Engineers	<input type="checkbox"/> Graduate Engineers
<input type="checkbox"/> Civil Engineers	<input type="checkbox"/> Interior Designers	<input type="checkbox"/> Project Managers
<input type="checkbox"/> Construction Inspectors	<input type="checkbox"/> Landscape Architects	<input type="checkbox"/> Clerical
<input type="checkbox"/> Ecologists	<input type="checkbox"/> Land Surveyor	<input type="checkbox"/> Grant/Funding Specialist
<input type="checkbox"/> Electrical Engineers	<input type="checkbox"/> Mechanical Engineers	<input type="checkbox"/> Sanitary Engineers
<input type="checkbox"/> Engineer Intern	<input type="checkbox"/> Environmental Engineers	
<input type="checkbox"/> Professional Land Surveyors	<input checked="" type="checkbox"/> CAD Operators	<input type="checkbox"/> TOTAL

**All of our Engineers are Specification Writers.*

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

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

TEC Professional Services Questionnaire

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

1.

2.

H. Has this JOINT-VENTURE previously worked together? Please check: N/A
 YES _____ NO _____

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

Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1.		
2.		
3.		

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

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Project Assignment:

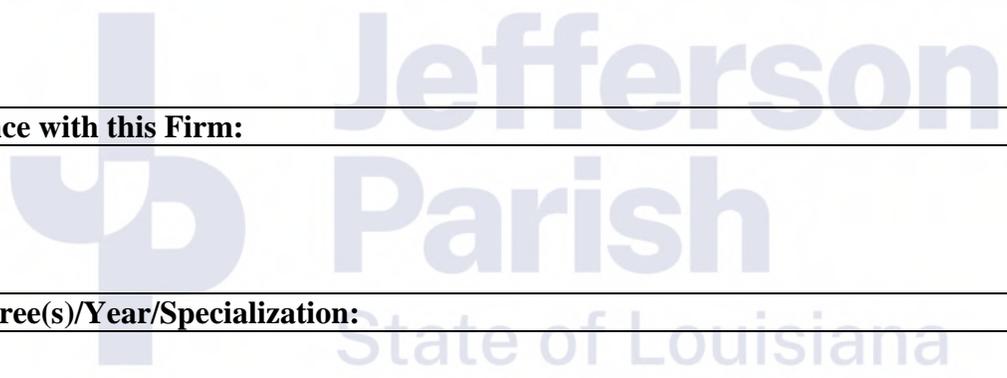
Name of Firm with which associated:

Years' experience with this Firm:

Education: Degree(s)/Year/Specialization:

Active registration: Year first registered/discipline:

Other experience and qualifications relevant to the proposed Project:



Other Experience and Qualifications Relevant to the Proposed Project (*continued*)

City of Kenner – Woodlake Estates Drainage Pumping Station

Currently designing the electrical and controls / instrumentation associated with a new booster pumping station consisting of four (4) 250 HP, electric-motor driven, submersible pumps. Design will include standby generator backup and full automated controls with SCADA interface.

Estelle 1 Pump Station Modifications

Designed and specified electrical and SCADA systems for the replacement of three 200 HP drainage pump motors. Design included power, lighting, controls, instrumentation, and SCADA communications design.

Elmwood Pumping Station Engine Replacement

Designed the electrical systems associated with the replacement of 8 diesel drive units, replacement of 8 remote radiators, and refurbishing 8 right angle gear boxes. Design included modifications to existing MCC equipment to accommodate larger radiators and additional pre-lube pumps for right-angle gears. Existing feeders were utilized to feed new distribution load centers for each engine, which in turn supply power to ancillary loads such as battery chargers and engine heaters. Modifications to existing Murphy Controls were implemented so that existing engine and PLC controls could interface factory-installed, skid-mounted engine controls, sensors, and safeties. Existing shaft speed sensors were maintained for existing SCADA systems to be able to continue to monitor engine speed remotely.

Veterans Boulevard Pumps

Designed and specified electrical power, control, and SCADA systems for drainage booster pumping stations (3 total stations – 2 at Veterans and 1 at West Esplanade) to be located near the 17th St. Canal at Veterans Blvd. and West Esplanade Ave. Each station consists of (2) electric motor-driven pumps ranging from 125 HP to 250 HP each. Design included primary and full standby power systems for each station, PLC pump controls, instrumentation, and SCADA system.

Jefferson Parish Dept of Drainage-Hero Pump Station-Standby Power Automation

Designed modifications to existing medium voltage switchgear and medium voltage generator controls to allow for automatic transfer and paralleling of generators to the station when utility power is unavailable. Design included replacement of existing generator controls with PLC-based controls, the addition of synchronization logic and controls to the existing switchgear, and replacement of existing electromechanical protection relays with digital, programmable GE Multilin relays. IMC is the Prime Consultant for this project, and Paul will be serving as the Project Manager during construction.

Parish Line Pumping Station

Designed and specified power, lighting, instrumentation, control, and SCADA systems for an addition to the existing station. The addition consisted of a diesel-driven vertical pump and associated support systems, such as compressed air for engine starting, gear lubrication and cooling, and diesel fuel storage and transfer. The design included provisions for three additional diesel-driven vertical pumps in the future. Location of the station required designs associated with the relocation of the medium voltage electrical service to the station. Project design features of special note included medium voltage pad-mounted switchgear, PLC equipment for complete monitoring and control of the station locally or remotely from Duncan Pumping Station, an expansion of the video surveillance system, motorized trash screen cleaner controls, fuel controls, engine controls, and gear vibration monitoring.

Ascension Parish – Marvin Braud Pump Station - Enhanced Flood Protection

Designed and specified electrical modifications to the station to incorporate the addition of sluice gates at pump discharge tubes for prevention of water backflow into the suction basin from the discharge basin. Project also included electrical relocations North of the station to accommodate a new flood wall.

Fronting Protection - Bonnabel and Suburban Pump Stations

Designed and specified power, lighting, and PLC-based controls associated with the addition of electrically-actuated sluice gates at the end of the discharge tubes for the horizontal pumps at PLC system for remote control of closure gates from the Pump Station or the Bonnabel and Suburban Pumping Stations. Design included interface with existing Allen-Bradley Safe House.

USACE Orleans Stormproofing (Several Projects)

IMC provided mechanical & electrical improvements at the S&WBNO's main power generation plant, (2) raw water pumping stations necessary for plant power production, and 17 drainage pumping stations located throughout New Orleans. All improvements were associated with stormproofing measures. Stormproofing design consisted of elevating existing equipment where feasible, sealing conduits to equipment that could not be easily elevated, adding sump pumps, adding both "house" generators and major station generators to operate drainage pumps (3000 & 4000 kw generators), and retrofitting / adding ventilation louvers capable of handling 150 mph wind loading.

At several stations, design included standby power generation to operate large (1500HP – 2500HP) electric motors for drainage pumps, and at Pump Station 5, a completely new 600 CFS pumping station was designed. Design for this station also included medium voltage pump controls, power factor correction capacitors, and digital relaying for protection of medium voltage switchgear, pump motors, and generator.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/14/2024 the Louisiana Professional Engineering and Land Surveying Board (LAPELS) has the following information on file:

Mr. Paul Schurb Vlosich
2120 Colombo Drive
Harvey, Louisiana 70058-3045

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
	Mr. Paul Schurb Vlosich License/Certificate Type - Number Expiration Date PE.0031006 03/31/2026 Status: Active
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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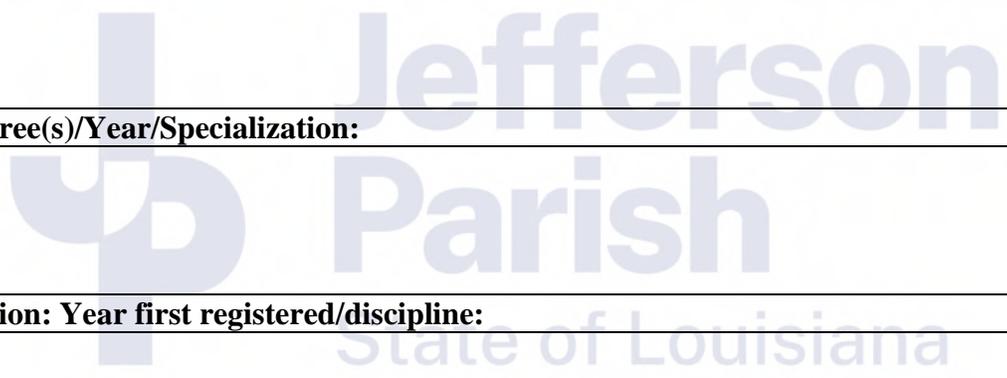
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Disclaimer

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:



Other Experience and Qualifications Relevant to the Proposed Project (continued)

Cousins Booster Pumping Station – Jefferson Parish

Electrical design of sewerage forced main triplex station (3-125 h.p.) and support systems including secondary selective service switching scheme. Required dual utility service with transfer facilities, motor controls, lighting, and miscellaneous power.

Freshwater Bayou Lock Electrical Renovation, Vermillion Parish

Designed total renovation of this COE Lock in south Louisiana. Included electrical service, distribution system, lighting, controls, navigation lighting, generation, etc.

Catfish Point Sector Gate Renovation, Cameron Parish

Designed total renovation of this COE freshwater/storm water control structure. Included electrical service, distribution system, lighting, controls, navigation lighting, generation, etc.

Drainage Pumping Station No. 6, Orleans Parish

Design of electrical modifications at Drainage Pumping Station No. 6, which included 14 sluice gates (motors & controls), lighting, and miscellaneous power.

Drainage Pumping Station No. 6 - Add Two 3750 KW Generators, Orleans Parish

Electrical design of the installation of two new 3750 KW generators for this major S&WB Drainage Pumping Station. The design included tying the new generators into the existing electrical system at Pumping Station #6. It also included providing a new control and monitor in the existing control station to monitor the status of the new generators. These generators provide emergency power to large vertical pumps that pump water from the 17th Street canal.

LADOTD Renovation of the Mechanical & Electrical System Associated with the Houma Tunnel, Terrebonne Parish

Under this work statement IMC prepared construction documents to replace all pumping (10 drainage pumps/motors) and electrical gear including all controls, wiring, etc. within the facility. Responsible for all electrical design for total renovation of these pumping facilities (three stations) associated with the existing Tunnel. System including service entrance switchgear, motors, controls, lighting and power distribution.

LADOTD - Renovation of Highway 190 Pumping Station, West Baton Rouge Parish

Electrical design for total renovation of this pumping facility including motors, controls, electrical service, lighting and power distribution.

Mini-System Improvements Sewerage System, Jefferson Parish

Electrical design of numerous sewerage lift and booster stations for Jefferson Parish. Approximately 30 - 40 stations, duplex and triplex, submersible, wet/dry well and above ground facilities.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/14/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Richard Earl Nichols
1054 Whitetail Drive
Mandeville, Louisiana 70448

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS) 9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
	Mr. Richard Earl Nichols License/Certificate Type - Number Expiration Date PE.0025896 09/30/2024 Status: Active	
	<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

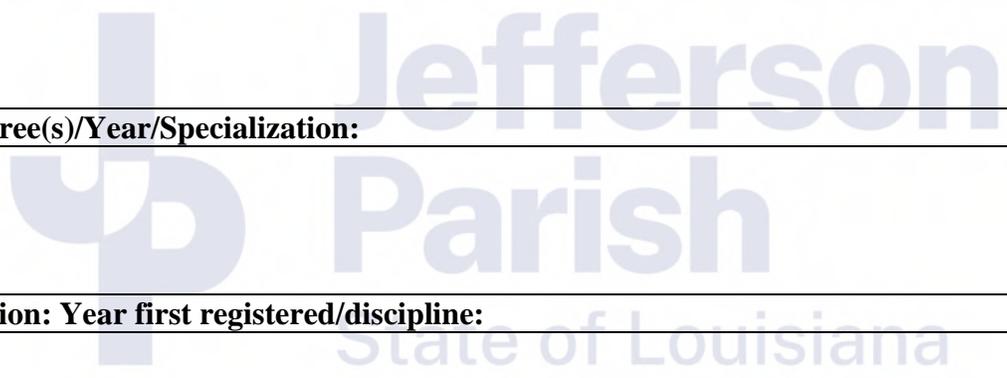
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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:



Other Experience and Qualifications Relevant to the Proposed Project (*continued*)

Elmwood Drainage Pump Station

Supervised and acted as the Professional of Record for the mechanical system design. This multi-year project consisted of replacing eight (8) existing diesel engines, remote radiators and mufflers that drive the eight (8) vertical turbine drainage pumps at the Elmwood Pump Station. As part of the mechanical design, the existing diesel driven engines, their remotely mounted radiators and mufflers are being replaced. The design included replacement, or modifications, to the fuel, compressed air and cooling water piping systems associated with the new engines, refurbishment of the existing right angle gear reducers and new drive shafts to connect the engines to the gear reducers. The project was designed in phases to replace two units at a time so as not to drastically reduce the pumping capacity of the station.

USACE Levee Inspections

Chip provided Inspections of (56) storm water pumping stations in the metro New Orleans area. IMC was responsible for inspecting the mechanical systems including all pumps, engines, motors, fuel systems, ventilation, compressed air systems, vacuum pumps, backflow prevention and any other mechanical systems within the pump stations. IMC was charged with observing all mechanical systems in operation and generating a report on their condition and required repairs or improvements. The project deliverables included a report on the system conditions and recommendations on addressing any noted deficiencies. The project spanned approximately one year and provided valuable insight into the advantages and disadvantages of the various pump station types.

Orleans Parish Storm Proofing

Supervised and acted as the Professional of Record for the mechanical system design. After Hurricane Katrina, the United States Army Corps of Engineers (USACE) undertook a project to make as many of the New Orleans Drainage Pump Station as flood resistant as possible. As part of the mechanical design, IMC designed and specified the fuel storage and distribution systems, compressed air system cooling water systems associated with the large diesel driven standby generators that were installed at many of the pump stations. The design included installation of 30,000-gallon aboveground fuel tanks, 3,000-gallon day tanks and associated piping, pumps and controls for the diesel fuel oil supply to the generators, and diesel driven and electric driven compressed air systems associated with the diesel engine "air-start" systems. This included compressors, controls, air receivers and associated piping.

17th Street Canal, London Avenue Canal and Orleans Avenue Canal Closure Structures, Orleans Parish

Supervised and acted as the Professional of Record for the mechanical system design. The design consisted of mechanical systems to support the diesel driven pumps, including 40,000 gallons of above ground diesel fuel storage and transfer systems, and the design of domestic water and sanitary systems associated with the personnel offices to serve the remainder of the building loads.

Parish Line Pumping Station, Jefferson Parish

Supervised and acted as the Professional of Record for the design of the mechanical systems associated with an addition to the existing drainage station. The project consisted of a new structure adjacent to the existing station for the purpose of housing a single, diesel-engine driven vertical pump. Design included provisions for expanding the new structure to include three future pumps, for a total of four pumps in the station addition. Mechanical design included additions and modifications to the existing

Chip Higbee, P.E.
Principal

fuel storage and transfer system, a new fuel polishing system, a compressed air system for diesel engine starting and discharge tube valve actuation, domestic water service modifications, an emergency raw-water system, gear oil cooler piping, and bearing water piping. Design also included piping to and from keel coolers submersed in the suction basin for engine cooling and exhaust piping from the diesel engine to the silencer mounted on the exterior of the station.

Fronting Protection for Ollie Pumping Station, Plaquemines Parish

Supervised and acted as the Professional of Record for all mechanical system designs. The design included specified modifications to the existing compressed air piping and design of new compressed air piping system. It also included modifications to the cooling water piping that served keel coolers for existing engines.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 6/14/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Eugene Fallis Higbee III
2714 Independence Street
Metairie, Louisiana 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com
Mr. Eugene Fallis Higbee III	
License/Certificate Type - Number	Expiration Date
PE.0026162	09/30/2024
Status: Active	
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>	

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Matthew Wender, P.E. Principal and Mechanical Department Head
Project Assignment:
Mechanical Engineer
Name of Firm with which associated:
IMC Consulting Engineers, Inc. 2714 Independence Street Metairie, LA 70006
Years' experience with this Firm:
17
Education: Degree(s)/Year/Specialization:
Bachelor of Science 2004 (Mississippi State University) Mechanical Engineering
Active registration: Year first registered/discipline:
2009, Louisiana #34365 / Mechanical Engineering
Other experience and qualifications relevant to the proposed Project:
<p>Matt Wender is responsible for the design of commercial HVAC, pumping, plumbing, and fire protection systems, including load calculations, specifications, system layout, and completion of construction documents. His HVAC design experience includes a wide range of mechanical systems spanning from direct expansion (D/X) systems to four-pipe, variable-air volume, water-cooled systems with energy recovery. Direct Digital Control (DDC) system design and installation supervision are special areas of concentration. The plumbing systems he has designed include high-efficiency condensing-type water heaters with hot water recirculation and water conserving type fixtures. Matt's fire protection designs include wet-pipe systems, both with and without fire pumps, and dry-pipe pre-action and anti-freeze systems.</p> <p>Please see attached resume for additional experience and qualifications.</p>

Matthew Wender, P.E.
Principal / Mechanical Department Head

Other Experience and Qualifications Relevant to the Proposed Project (*continued*)

Sylvia Estates Pump Station, St. Bernard Parish

Provided drainage pump station HVAC and plumbing design to accommodate the facility's diesel engine-driven drainage pumps, 200kW generator, and operator workroom. On-site aboveground diesel fuel storage consists of two 10,000-gallon double wall cylindrical storage tanks meeting UL142 and STI Fireguard specifications. Interior pump & generator day tanks are supplied fuel via redundant submersible turbine transfer pumps with all fuel controls/alarms monitored within the operator workroom. HVAC designs account for conditioning the operator workroom as well as the pump & generator ventilation louvers and insulated engine mufflers.

Charenton Flood Gate Replacement, St. Mary Parish

Provided mechanical design for control house ventilation for new USACE sector gate in Charenton, Louisiana.

WBV-16.2 Bayou Segnette to Westwego #2 - Sector Gate - New Orleans District

Designed Hurricane-resistant HVAC fans and louvers for sector gate control houses.

USACE - WBV-74 - New Sector Gate at Sellers Canal - New Orleans District

Designed Hurricane-resistant HVAC fans and louvers for sector gate control houses.



LOUISIANA PROFESSIONAL ENGINEERING AND LAND SURVEYING BOARD

As of 8/21/2024 the Louisiana Professional Engineering and Land Surveying Board (LPELS) has the following information on file:

Mr. Matthew David Wender
2714 Independence Street
Metairie, Louisiana 70006

	LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LPELS)	
	9643 Brookline Avenue, Suite 121 Baton Rouge, LA 70809 Phone (225) 925-6291 www.lapels.com	
Mr. Matthew David Wender		
License/Certificate Type - Number	Expiration Date	
PE.0034365	03/31/2025	
Status: Active		
<p>Please be advised that your license must be in "Active" status in order for you to (a) provide or offer to provide engineering or land surveying services in Louisiana or (b) use the words "engineer", "engineering", "land surveyor", "land surveying" or any modification or derivative thereof in your name or in connection with your business or activities in Louisiana. Licensees whose licenses are in "Retired", "Inactive", or "Expired" status are prohibited from engaging in the activities described above in items (a) and (b).</p> <p>LA R. S. 37:689 requires firms practicing or offering to practice engineering or land surveying in the state of Louisiana to be licensed by the Board prior to offering such services.</p>		

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TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:
Name & Title:
Project Assignment:
Name of Firm with which associated:
Years' experience with this Firm:
Education: Degree(s)/Year/Specialization:
Active registration: Year first registered/discipline:
Other experience and qualifications relevant to the proposed Project:

Other Experience and Qualifications Relevant to the Proposed Project (*continued*) Jefferson Parish

“Parish-Line” Pump Station

This project was an expansion to the existing pump station located at the Parish Line Canal. A single drainage pump was being added in a new building. The project was designed to allow for expansion to a total of four new pumps. The design included a new 12,000 gallon diesel fuel yard to augment the existing fuel storage on site, new domestic water service modifications, new domestic water booster pumps, new raw water pumps to serve the existing, new and future drainage pumps bearing systems (This system will act as back up to the domestic water system.), new compressed air system to start the diesel driven drainage pump, new fuel distribution to serve the new and future diesel engines, and new diesel engine exhaust system.

Jefferson Parish Elmwood Drainage Pump Station

This project consisted of replacing eight existing diesel engines, remote radiators and mufflers that drive the eight vertical turbine drainage pumps at the Elmwood Pump Station. As part of the mechanical design; the existing diesel driven engines and their remotely mounted radiators and mufflers are being replaced. The design included replacement or modifications to the fuel-compressed air and cooling water piping systems associated with the new engines, refurbishment of the existing right angle gear reducers and new drive shafts to connect the engines to the gear reducers. The project has been designed in phases to replace two units at a time so as not to drastically reduce the pumping capacity of the station.

New Orleans Sewerage & Water Board Drainage Pump Station No. 5

After Hurricane Katrina, the United State Army Corps of Engineers (USACE) undertook a project to build a new drainage pump station to augment the existing pump station that was on the site. As part of the mechanical design, we designed and specified the fuel storage and distribution system, compressed air system, cooling water system that served the large diesel driven standby generators that were part of the new pump station. The design included installation of a 15,000-gallon aboveground fuel tank, a 3,000 gallon day tank and associated piping, pumps and controls for the diesel fuel oil supply to the generator. The design also included diesel driven and electric driven compressed air systems associated with the diesel engine “air-start” systems. This included compressors, controls, air receivers and associated piping. Remote air-cooled radiators were provided to cool the generator’s diesel engine along with aftercooler and jacket water piping. New potable water system was designed using a variable frequency driven booster pump to maintain required water pressure at the station. Exhaust piping was designed to serve the generator’s diesel engine. Upgrades were designed for the existing drainage pump station providing sump pumps to help “stormproof” the building and a new domestic water booster pump to serve the existing station’s water needs.

Bayou Segnette Pumping Station

This was an addition to the existing drainage pumping station. The plumbing design included all mechanical systems for the support of the diesel engine driven drainage pumps. Systems included a compressed air system for starting the main diesel engines that operate the drainage pumps, engine and gear cooling water systems, domestic water and sanitary systems, instrument air systems, vacuum pump priming system, pump bearing lubrication water system, a 30,000 gallon above ground diesel fuel storage and transfer system, waste oil system, and sump pumps to serve the station’s basement. The design also included the air distribution system required for the suction basin and discharge basin water level manometers and discharge tube vacuum breaker system.

Westminster Pumping Station Generator Building

The design included compressed air, fuel storage and distribution systems to support the 2.5 mega watt

Louis Pastor, CIPE/CPD
Plumbing Designer

generator. The design consisted of compressed air for engine starting, a 40,000-gallon fuel oil storage system with transfer pumps and distribution piping, engine exhaust piping, engine cooling system, instrument air, domestic water and well water (750 ft. well), and sewerage piping.

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 2

Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Completion Date (Actual or estimated)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 4		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 6		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 8		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

PROJECT NO. 10		
Project Name, Location and Owner's contact information:	Nature of Firm's Responsibility:	
Completion Date (Actual or estimated):	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1. IMC has no prior or on-going litigation with Jefferson Parish.		
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm's qualifications for the proposed project.

IMC Consulting Engineers, Inc. has enjoyed the opportunity to provide professional services for projects within Jefferson Parish since being established in 1988. IMC has provided extensive electrical and mechanical work for Jefferson Parish working both as a prime and sub-consultant, including mechanical and electrical designs for Drainage Pumping Stations within the Parish.

We hope the responses in the SOQ demonstrate IMC's recent and extensive experience providing mechanical and electrical engineering services for Drainage Pumping Stations. Many of the highlighted projects have been with, or directly for, Jefferson Parish. Some examples of recent Drainage projects within Jefferson Parish include electrical improvements at Hero Pump Station, the addition to Parish Line Pumping Station, engine replacements at Elmwood Pumping Station, and new booster pumping stations along Veterans Blvd. near the 17th St. Canal (not yet constructed). Outside of Jefferson Parish, IMC has designed mechanical and/or electrical systems for drainage projects at Marvin Braud Pumping Station in Ascension Parish, Ollie Pumping Station in Plaquemines Parish, and DPS-5 in Orleans Parish, to name a few.

We look forward to continuing to serve Jefferson Parish in this capacity.

Please see next page for additional information.

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

Signature: Paul S. Vlosich Print Name: Paul S. Vlosich

Title: Principal and Director Of Municipal Projects Date: 8/21/2024

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

1. PROFESSIONAL TRAINING AND EXPERIENCE – DRAINAGE

IMC has performed mechanical and electrical designs and construction administration at Jefferson Parish Drainage Pump Stations for over 30 years.

While we hope that our responses demonstrate IMC's experience in the design of electrical and mechanical systems for drainage pump stations, as well as our experience providing professional services to Jefferson Parish, we also want to highlight our experience communicating with the Parish's preferred vendors, including PLC-based Pump Control and SCADA System provider, Prime Controls, whose PLC equipment we are familiar with, and Fluid Process and Pumps, whose equipment and controls we are also familiar with. IMC has a great working relationship with both vendors.

Our 35+ years of experience in designing drainage structures and pumping stations has afforded us the unique opportunity to speak with multiple station operators and gain knowledge on multiple drainage pumping approaches. Through our exposure to different station types and conversations with station operators we have learned a great deal of information that contributes to our ability to design mechanical and electrical systems that are easier to maintain and that are fault-tolerant.

IMC Consulting Engineer's experience Electrical staff includes Principals, Richard Nichols, P.E. (30+ years of experience) and Paul Vlosich, P.E. (25+ years of experience). IMC also employs two Electrical Designers:

- Daniel Walker (30+ years of experience)
- Garrett Fried (12+ years of experience)

IMC's experienced Mechanical staff includes Principals Eugene "Chip" Higbee, P.E. (30+ years of experience) and Matthew Wender, P.E. (15 years of experience). IMC also employs two additional registered Professional Mechanical Engineers, and two Mechanical Designers:

- Joseph Garon, P.E. (9+ years of experience)
- Matthew Garon, P.E. (9+ years of experience)
- Russell Troncoso (7+ years of experience)
- Quynh Nguyen (2+ years of experience)

Louis Pastor, CIPE/CPD (40+ years of experience) continues to provide IMC with design assistance on selected projects on a part-time basis. Louis specializes in plumbing engineering and is certified in that area. Louis has specialized experience in the design of compressed air systems and fuel storage and distribution systems.

All of IMC Engineers and Designers provide field observation and inspection of projects under construction on a regular basis.

All of our Engineers and Designers are required to obtain a minimum of 15 hours of professional development training each year, eight of which must be associated with life safety training (NFPA 101, IBC, NFPA 72, NFPA 13, etc.), and at least one hour in professional ethics.

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

2. SIZE OF FIRM

IMC is an 18-person firm specializing in Mechanical and Electrical design services. Our firm has relatively low overhead and prides itself on productivity. Our engineers and designers are involved in all aspects of the project from design to final observation, decreasing the total impact that a single project has to company resources, and allowing our engineers to take ownership of the projects they have designed.

IMC is presently utilizing AutoCAD & Revit drafting software and custom- designed templates specifically tailored to electrical and mechanical system drafting. The original template was designed in 1988 and continues to be upgraded by IMC. IMC utilizes MS Word processing software for specifications and general correspondence and utilizes Microsoft Excel electronic spreadsheet for efficient calculations and tabulation of data.

3. CAPACITY FOR TIMELY COMPLETION OF NEWLY ASSIGNED WORK

Based upon our experience with past, similar contracts with Jefferson Parish, we project that this contract would constitute less than 5% of our revenue in a given fiscal year. As such, we believe that IMC's staff can support the design effort required for the awarded work. IMC has performed in a timely fashion on work such as this in the past, and we believe that our familiarity with the people, vendors, and type of work advertised in this SOQ will contribute to our efficiency in completing the work in a prompt manner. We hope that our past experience with Jefferson Parish has demonstrated that IMC has the capacity for timely completion of projects; we know of no instance where IMC was not able to deliver a project on time to Jefferson Parish.

4. PAST PERFORMANCE BY FIRM ON PROJECTS OF SIMILAR SIZE, SCOPE, AND SCALE

IMC has worked on numerous projects for Jefferson Parish in the past. In addition to those already mentioned, some examples of these projects include mechanical, electrical, plumbing design and construction administration services for the Kenner WWTP Generator Banking Project, Yenni Building Standby Generator Project, the Veterans Boulevard Decorative Lighting project, and the Causeway and West Esplanade Sewer Lift Station project, just to name a few. Our mechanical, electrical, and plumbing design experience for Jefferson Parish includes not only Drainage Pumping Stations, but also Sewer Lift Stations, Office Buildings, Courthouses, equipment replacements (mechanical and electrical), and other facilities/projects.

IMC has provided engineering services for many Jefferson Parish projects. All projects have been successfully completed, and we encourage review of our performance with other Jefferson Parish personnel, including Mr. Ben Lepine (Drainage Dept.), Mr. Ryan Babcock (Director of General Services), and Mr. Mark Drewes (Director of Public Works).

We have enjoyed our relationship with Jefferson Parish more than 35 years and sincerely believe that we have earned a good reputation with the Parish for delivering quality designs. We hope to continue to have the opportunity to work with Jefferson Parish in the upcoming years.

5. LOCATION OF PRINCIPAL OFFICE

IMC's only office is located in Jefferson Parish at 2714 Independence Street in Metairie and many of our employees reside in Jefferson Parish. IMC has been located in Metairie since 1993. All mechanical and electrical design work will be handled from this office by staff presently with IMC. **Of special note, the project site referenced in this RFQ is located less than two miles from IMC's office.**

N. (continued) Use this space to provide any additional information or description of resources supporting firm's qualifications for the proposed project:

6. ADVERSARIAL LEGAL PROCEEDINGS WITH JEFFERSON PARISH

IMC is not involved nor ever has been involved in litigation with Jefferson Parish.

7. PRIOR SUCCESSFUL COMPLETION OF PROJECTS OF THE TYPE AND NATURE OF SERVICES

IMC has successfully completed numerous projects of this type and nature for Jefferson Parish in the 35+ years that we have been in business. Specific to Jefferson Parish, IMC has completed projects as a Prime and as a Sub-Consultant at several Jefferson Parish, Drainage Stations, Sewer Lift Stations, and other Facilities, including the Yenni Building, First Parish Court, the East Bank Maintenance Building, the East Bank Library, the River Ridge Library, and the West Bank Government Complex. Specific to the projects of the type anticipated for this contract, IMC has recently and successfully designed, and/or administered the construction for, the mechanical and/or electrical systems for following recent Drainage Projects:

- New Booster Drainage Pump Station for Woodlake Estates subdivision (in design)
- Addition to Parish Line Pump Station (construction complete)
- Electrical Improvement at Hero Pump Station (construction complete)
- New Booster Drainage Pump Stations along Veterans, near 17th St. Canal (in construction)
- Engine Replacements at Elmwood Pumping Station (construction complete)
- Electrical Improvements and Bonnabel and Duncan Pump Stations (design complete)

IMC is a small business as identified by U.S. Federal Standards.

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

Name:

IMC Consulting
Engineers, Inc.

Public Address:

2714 Independence Street
Metairie, Louisiana 70006

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0001470	Active	11/17/1988	03/31/2025	Mr. Eugene Fallis Higbee III # PE.0026162 ; Mr. Richard Earl Nichols # PE.0025896

4. BFM CORPORATION, LLC

Subconsultant: Topographic Surveying

- TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Independence Park Drainage Pump Station

SOQ **24-029** | Resolution No. **144443**

B. Firm Name & Address:



BFM Corporation, LLC

15 Veterans Memorial Boulevard | Kenner LA 70062

C. Name, title, and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Ralph P. Fontcuberta, Jr., PLS, Executive Vice President

504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com

Registered Professional Land Surveyor (**Louisiana No. 4329; since 1974**)

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline:

Ralph P. Fontcuberta, Jr., PLS, Executive Vice President

504-468-8800 | 504-468-8800 cell | ralph@bfmcorporation.com

Registered Professional Land Surveyor (**Louisiana No. 4329; since 1974**)

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

<u>4</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u>1</u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u>2</u> Project Managers
<u> </u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical (<i>see Administrative</i>)
<u> </u> Ecologists	<u>1</u> Land Surveyor (<i>Apprentice</i>)	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u> </u> Environmental Engineers	<u>1</u> <i>Researcher/Archivist</i>
<u>2</u> Professional Land Surveyors		<u>3</u> <i>CADD Technicians</i>
		<u>6</u> <i>Survey Crew Chief</i>
		<u>6</u> <i>Survey Crew Instrumentman</i>
		<u>26</u> TOTAL

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

If marked “no”, skip to Section I. If marked “yes”, complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2.		
H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A		
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		
J. Please specify the total number of support personnel that may assist in the completion of the Project: <u>26</u> (all personnel will be available for assignment to the project)		

TEC Professional Services Questionnaire

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

Dept. of Transportation & Development (LADOTD), MS Dept. of Transportation (MDOT), and others), Federal agencies (U.S. Army Corps of Engineers (USACE), Dept. of the Navy, etc.), private/public companies (Entergy, BellSouth, Cox Cable, etc.), and numerous other public/private entities.

Mr. Fontcuberta's surveying experience with Jefferson Parish can be traced back to BFM's inception in 1982, and to 1967 then while working as a surveyor with another firm. He has over half a century of experience with surveying throughout the region and specifically with Jefferson Parish. He has served as the PLS for projects throughout every corner of Jefferson Parish. Relevant project history includes, **but is certainly not limited to**, the following:

- Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA
- Levee Intake Pump Station Cell Inspection at the New East Bank Water Treatment Plant, Jefferson Parish, LA
- Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA
- Timberview Lane Sewer Pump Station, Harvey, Jefferson Parish, LA
- Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, LA
- Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA
- Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA
- North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA
- Fisher School Phase 2 Levee, Lafitte, Jefferson Parish, LA
- Paillet Basin Tidal Protection Levee, Town of Jean Lafitte, Jefferson Parish, LA
- Westwego Drainage Pump Station No. 1, Jefferson Parish, LA
- Parish Line Pump Station No. 5, Kenner, Jefferson Parish, LA
- Hero Pump Station, Harvey, Jefferson Parish, LA
- Fulton Street Pump Station, Jefferson Parish, LA
- Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA
- Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA
- Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA
- Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA
- Ames Boulevard Drainage Pump Station Warehouse, Jefferson Parish, LA
- Bayou Segnette Fronting Protection/New Pump Station, Westwego, Jefferson Parish, LA
- Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA
- Morton & Ingrid Pump Station, Jefferson Parish, LA
- Estelle Bridge Crossing at Canal G (Estelle Pump Station No. 2), Jefferson Parish, LA
- Storm Proofing, Ames & Duncan Drainage Pump Stations, Jefferson Parish, LA
- Upper Kraak Pump Station, Jefferson Parish, LA
- Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA
- Clearview Drainage Pump Station and St. Peter's Ditch, Jefferson Parish, LA

TEC Professional Services Questionnaire

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

- Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA
- Paillet Pump Station Access Road and Drainage Improvements, Jefferson Parish, LA
- Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA
- Parish Line Pump Station (Pump Station No. 5), Jefferson Parish, LA
- Estelle Pump Station Survey Update, Jefferson Parish, LA
- Westwego Pump Station No. 2, Jefferson Parish, LA
- Canal "D" Drainage Improvements, Westwego Pump Station Nos. 1 & 2, Jefferson Parish, LA
- Parish-Wide Safe House Program: Planters Pump Station Safe House, Jefferson Parish, LA
- Estelle Pump Station No. 2, Jefferson Parish, LA
- Lake Cataouatche Pump Station, Jefferson Parish, LA
- Estelle Pump Station Boundary Survey, Jefferson Parish, LA
- Harahan Pump-to-the-River, Jefferson Parish, LA
- Emergency Generators at 13 Pump Station Sites, Jefferson Parish, LA
- Parish-Wide Safe House Program: West Bank Water Treatment Plant Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: East Bank Water Plant Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Waverly Street Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Whitney-Barataria Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Westwego No. 1 Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Lake Cataouatche II Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Canal Street Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Bonnabel Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Parish Line Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Westminster-Lincolnshire PS Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Bayou Segnette Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Estelle Pump Station No. 2 Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Cousins Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Duncan Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Suburban Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Elmwood Pump Station Safe House, Jefferson Parish, LA
- Parish-Wide Safe House Program: Hero Pump Station Safe House, Jefferson Parish, LA
- Lift Stations F6-11 & G6-4, Jefferson Parish, LA
- Rehabilitation of Sewer Lift Station F7-13 at Veterans Blvd & Neyrey Dr, Metairie, Jefferson Parish, LA
- Rehabilitation of Sewer Lift Station D4-7A at Sauve Rd & Generes Dr, Harahan, Jefferson Parish, LA
- Sewer Lift Station at Midway Drive & Soniat Canal, Harahan, Jefferson Parish, LA
- Proposed Sewer Lift Station Near Ehret Road & Broas Drive, Jefferson Parish, LA
- Sewer Lift Station D4-5 (S. Laurel Street & Mistletoe Street), Metairie, Jefferson Parish, LA

TEC Professional Services Questionnaire

Other experience and qualifications: **Ralph P. Fontcuberta, Jr., PLS (continued)**

- 2700 Destrehan Sewer Lift Station Servitude Survey, Harvey, Jefferson Parish, LA
- Sewer Lift Station Sites (G8-1, G8-3, & H8-4B) & Sewer Force Main Construction Survey, Jefferson Parish, LA
- Sewer Lift Station L-11-1, Saddler Road at West Bank Expressway, Marrero, Jefferson Parish, LA
- Sewer Lift Station F8-3, W. Esplanade Avenue at Houma Boulevard, Metairie, Jefferson Parish, LA
- Sewer Lift Station (Coventry Court & Jefferson Highway), River Ridge, Jefferson Parish, LA
- Sewer Lift Station K-11-1, Marrero, Jefferson Parish, LA
- Lift Station F8-3, Metairie, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Jefferson Parish, LA
- Destrehan Lift Station Upgrades, Harvey, Jefferson Parish, LA
- Sewer Lift Station L-13-6, Ehret Road, Marrero, Jefferson Parish, LA
- Sewer Lift Station Upgrades (5th Avenue and 9th Street), Harvey, Jefferson Parish, LA
- Lift Station E3-2 (Elmwood & Citrus), Metairie, Jefferson Parish, LA
- Saddler Street Sewer Lift Station, Marrero, Jefferson Parish, LA
- Lift Station No. 6 Improvements, City of Harahan, Jefferson Parish, LA
- Lift Station K-11-3, Marrero, Jefferson Parish, LA
- Lift Station F7-12 (Grace King and Rockford), Metairie, Jefferson Parish, LA
- Lift Station F7-13B (SCIP Project No. D55102), Jefferson Parish, LA
- Lift Station E5-4, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Sewer Lift Station Generator Installation (L-11-2, West Bank Expressway & Eiseman, SCIP D2532), Marrero, Jefferson Parish, LA
- Lift Station G4-2B Sewer Lift Station Rehabilitation (Scott St at Causeway Blvd), Jefferson Parish, LA
- Lift Station C4-1A (N. Sibley and Boone), Metairie, Jefferson Parish, LA
- Lift Station F1-1, Elmwood Industrial Park Subdivision, Jefferson Parish, LA
- Kennedy Heights Sewer Lift Station C9-2 (Live Oak Boulevard), Westwego, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Cleary Avenue & West Napoleon Lift Station & Force Main, Jefferson Parish, LA
- Rehabilitation of D8-3 Lift Station (Purdue Drive & 37th Street), Metairie, Jefferson Parish, LA
- N-12-1 (41st & Gardere Canal) Lift Station, Jefferson Parish, LA
- Route Topographic (including Lift Station/Force Main) Surveying Services, Jefferson Parish, LA
- Lift Station D4-2 and Proposed D4-2B Surveying Services, Metairie, Jefferson Parish, LA
- Lakeside Mall Lift Station Servitude, Jefferson Parish, LA
- Elizabeth & Utica Sewerage Lift Station, Jefferson Parish, LA

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Chad M. Poché, P.E.
Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Engineering Liaison

Name of Firm with which associated:



Years' experience with this Firm:

7 years (became partial owner of BFM in 2017); *BFM Corporation, LLC | 2017 to present*
31 years total (1993) *Gulf South Engineering and Testing, Inc. | 2011 to present*
Ardaman and Associates, Inc. | 2007 to 2011
Soil Testing Engineers, Inc. | 2001 to 2007
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans
B.S., 1993, Civil Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

1998, Civil Engineer (Louisiana No. 27667)
2002, Civil Engineer (Mississippi No. 15405)

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E. is an Executive Vice President with (and partial owner of) BFM Corporation, LLC, and a co-founder of BFM's sister company, Gulf South Engineering and Testing, Inc. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for waste facilities and virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations, and; serving as an Expert Witness. Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area. (\$32,280 (fee); 2020)

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Hero Pump Station, Harvey, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$16,380 (fee); 2018)

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Gary J. Lambert, Jr., PLS

Vice President / Registered Professional Land Surveyor

Project Assignment:

Project Manager/Drafting Supervisor

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

6 years (joined BFM in 2018);
13 years total (2011)

BFM Corporation, LLC | 2018 to present
Riverlands Surveying | 2016 to 2018
Bertucci Contracting | 2011 to 2016

Education: Degree(s)/Year/Specialization:

B.S., 2018, Geomatics, Nicholls State University

B.S., 2014, Construction Management, Louisiana State University

Active Registration: Year first registered/discipline:

2021, Professional Land Surveyor (Louisiana No. 5929)

Other experience and qualifications relevant to the proposed Project:

Gary J. Lambert, Jr., is a registered Professional Land Surveyor in Louisiana and provides Project Management and Drafting Oversight for BFM Corporation. He is the first point of contact for clients on technical matters, scheduling, and deliverables for project work, and conducts meetings with engineering, architectural, and government officials to discuss various project needs. His project work has encompassed all manner of surveying services, from basic home lots to 100+ acre tract boundary surveys.

In the field, Mr. Lambert has provided services as a Survey Crew Chief, using both traditional and robotic surveying methods, since the start of his professional career, and has experience with Leica, Hypack, AutoCAD, AutoCAD 3D, Trimble, and RTK surveying technologies. He further trains employees in the use of an aerial drone, laser scanner, and remote-controlled hydrographic survey boat. This survey experience includes topographic, boundary, ALTA/NSPS, FEMA, and various construction surveying. Mr. Lambert has also conducted hydrographic surveys in the Mississippi River and various other bodies of water throughout the Gulf Coast area.

Mr. Lambert has completed Basic OSHA Training and holds license with the Gulf Coast Safety Council (08SSV, ID429523).

TEC Professional Services Questionnaire

Other experience and qualifications: **Gary J. Lambert, Jr., PLS (continued)**

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area. (\$32,280 (fee); 2020)

Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA. BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided. (\$550 (fee); 2020)

Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA. BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document. (\$2,975 (fee); 2023)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Christopher Lemley
Field Operations Manager/Survey Crew Chief

Project Assignment:

Field Operations Manager/Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

10 years (joined BFM in 2014); *BFM Corporation, LLC | 2014 to present*
18 years total (2006) *G.E.C., Inc. | 2010 to 2014*
Krebs, LaSalle, LeMieux Consultants, Inc. | 2006 to 2010

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Louisiana Boater Education - Boating Safety Certificate
Norfolk Southern Roadway Worker Protection Contractor Safety Certificate

Other experience and qualifications relevant to the proposed Project:

Chris Lemley's services as BFM's Field Operations Manager includes overseeing all field work and activity by company personnel. His surveying experience includes over 8 years as a Survey Crew Chief. His survey software experience includes projects involving Trimble, Topcon, Leica, and Hypack, and has maintained and operated GPS, Auto-Level, and Total Station.

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM provided boundary and topographic surveying services; this included obtaining available title data, supplemented with courthouse research. Located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks, taking elevations, and plotting the location of improvements & topographic features, both natural and man-made. Also included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Fulton Street Pump Station, Jefferson Parish, LA. BFM provided boundary with topographic survey for the project. The scope included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

TEC Professional Services Questionnaire

Other experience and qualifications: **Christopher Lemley (continued)**

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA. BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided. (\$550 (fee); 2020)

Levee Intake Pump Station Cell Inspection at the New East Bank Water Treatment Plant, Jefferson Parish, LA. BFM was selected by Jefferson Parish to provide a cell inspection survey for the project. Diving services were subcontracted to Specialty Diving of Louisiana, with BFM personnel supervising all data collection and resultant underwater 3D scanning (Teledyne BlueView BV5000, 3D Mechanical Scanning Sonar). (\$8,175 (fee); 2023)

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area. (\$32,280 (fee); 2020)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

John Philip Thayer
Procurement Director (Proposals & Project Management Support)

Project Assignment:

Project Management Support

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

16 years (joined BFM in 2008); *BFM Corporation, LLC | 2008 to present*
17 years total (2007) *Delle Land Surveying | 2007 to 2008*

Education: Degree(s)/Year/Specialization:

Certificate, 2015, Land Surveying Services
B.S., 2007, Physical Education, Trevecca Nazarene University

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Phil Thayer serves as BFM's Procurement Director, providing proposal preparation and Project Management Support, having considerable experience in field surveying services, including ALTA/as-built surveying, construction layout, boundary, topographic, cross-sections, GPS use, and numerous other surveying types.

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM provided services for a Limited Topographic Survey at the project site. The scope first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

Hero Pump Station, Harvey, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$16,380 (fee); 2018)

Fulton Street Pump Station, Jefferson Parish, LA. BFM provided boundary with topographic survey for the project. The scope included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

TEC Professional Services Questionnaire

Other experience and qualifications: **John Philip Thayer (continued)**

Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$13,650 (fee); 2016)

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA. Topographic survey with right of way and underground utilities for proposed pump stations. (\$5,976 (fee); 2014)

Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA. BFM prepared a topographic survey (with right of way & underground utilities locations) for this proposed pump station project. (\$26,540 (fee); 2014)

Emergency Generators for Sewer Lift Stations and Helios and West Napoleon Pump Stations, Jefferson Parish, LA. BFM prepared topographic surveys at the Helios PS and at the West Napoleon PS for the placement of emergency generators. (\$5,888 (fee); 2012)

Harahan Pump-to-the-River, Jefferson Parish, LA. Starting in the mid 00s, BFM Corporation has been providing various surveying services to the Pump To The River project located in Harahan, Louisiana. Project work has involved setting offsite control; this included tying in to the baseline with station/offset (with northing and easting). BFM also surveyed the route for the pipeline and pump station site, starting at Mazoue Ditch/Soniat Canal intersection, and over to land adjacent to the existing Sewer treatment plant (parallel with Hickory Avenue to the Mississippi River). For the next element, BFM took soundings in the River; two lines 75 ft. apart and 200 ft. out into the river every 25 ft. BFM created legals for permanent and temporary servitudes, and provided additional topographic surveying necessary for a west-ward shift. BFM later provided updates to the overall topographic survey and provided surveying for the right-of-way and DOTD boundary. The most recent element involved writing legals for permanent and temporary servitudes for the outfall portion of the project. (2005 thru 2012)

Upper Kraak Pump Station, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$14,895 (fee); 2010)

Paillet Pump Station Access Road and Drainage Improvements, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$19,637 (fee); 2009)

Effluent Pump Station & Structures at Harvey Wastewater Treatment Plant, Jefferson Parish, LA. BFM provided surveying services to locate the effluent pump station and all structures for a section of the Harvey WWTP in Jefferson Parish. The project also included all necessary topographic surveying services. (\$2,418 (fee); 2009)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Dawn Hoffman Researcher/Archivist	
Project Assignment:	
Researcher/Archivist	
Name of Firm with which associated:	
 BFM CORPORATION, LLC Professional Land & Hydrographic Surveying	
Years' experience with this Firm:	
15 years (joined BFM in 2009); 27 years total (1997)	<i>BFM Corporation, LLC 2009 to present</i> <i>Fluor Corporation 2007 to 2009</i> <i>Geographic Computer Technologies, LLC 2000 to 2007</i>
Education: Degree(s)/Year/Specialization:	
A.D., 1999, Computer-Aided Drafting, Southeast College of Technology Certificate, 2003, Introduction to ArcGIS, Louisiana State University	
Active Registration: Year first registered/discipline:	
N/A	
Other experience and qualifications relevant to the proposed Project:	
<p>Dawn Hoffman serves as BFM's primary researcher and has more than 25 years of experience in this field. She is extremely knowledgeable with researching in various parishes and cities.</p> <p>Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)</p> <p>Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Dawn Hoffman (continued)**

Westwego Drainage Pump Station No. 1, Jefferson Parish, LA. BFM Corporation provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities. (\$4,725 (fee); 2018)

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area. (\$32,280 (fee); 2020)

Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, LA. BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided. (\$550 (fee); 2020)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Anthony Watson
CADD Technician (AutoCADD Drafting Services)

Project Assignment:

CADD Technician (AutoCADD Drafting Services)

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

13 years (joined BFM in 2011); *BFM Corporation, LLC | 2011 to present*
 33 years total (1991) *Krebs LaSalle Lemieux / GEC | 2008 to 2011*
Doug Connally and Associates Land Surveying (Dallas, TX) | 1995-2008
Electrician | 1991 to 1995
City of Plano TX (Part-Time Drafting Services) | 1991

Education: Degree(s)/Year/Specialization:

Coursework - CAD, Avatech Solutions, Los Colinas, TX

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Anthony Watson has experience as a draftsman/survey technician, having started his career as an intern with the Surveying Department of the City of Plano, Texas. His experience through the years includes manual and computer-aided drafting for a wide range of projects, ranging from small lot surveys to subdivisions to municipal treatment and private industrial plants. He has experience in all facets of surveying (boundary, topographic, ALTA/ACSM, plan & profile, etc.) in both drafting and field environments.

Orange Lane Pump Station Project, Grand Isle, Jefferson Parish, LA. The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area. (\$32,280 (fee); 2020)

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either

TEC Professional Services Questionnaire

Other experience and qualifications: **Anthony Watson (continued)**

direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, LA. BFM Corporation provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces. (\$11,905 (fee); 2016)

Parish Line Pump Station No. 5, Kenner, Jefferson Parish, LA. BFM's surveying services included setting control points (recover existing control references) and verification of existing control (horizontal & vertical values on new control points). (\$2,175 (fee), 2018)

Hero Pump Station, Harvey, Jefferson Parish, LA. BFM Corporation provided topographic surveying services for the project. (\$16,380 (fee); 2018)

Improvements to Bayou Segnette Drainage Pump Station No. 1, Jefferson Parish, LA. BFM provided topographic surveying services for the project. (\$13,650 (fee); 2016)

Drainage Pump Station, Veterans North & South, Right-of-Way, 17th Street Canal, Jefferson Parish, LA. BFM prepared a topographic survey (with right of way & underground utilities locations) for this proposed pump station project. (\$26,540 (fee); 2014)

Drainage Pump Station, West Esplanade and 17th Street Canals, Jefferson Parish, LA. Topographic survey with right of way and underground utilities for proposed pump stations. (\$5,976 (fee); 2014)

Ames Boulevard Drainage Pump Station Warehouse, Jefferson Parish, LA. BFM provided topographic surveying services for a new warehouse building at the Ames Boulevard Pumping Station. (2014)

Bayou Segnette Fronting Protection/New Pump Station, Westwego, Jefferson Parish, LA. BFM's surveying services included establishment of vertical control for a new pump station. Total Station services were utilized for the project. (\$3,435 (fee); 2012)

Morton & Ingrid Pump Station, Jefferson Parish, LA. BFM executed a topographic survey, beginning at the Morton & Ingrid Pump Station, with said survey running along Morton Street to Elizabeth Street then continuing along Elizabeth Street towards West Napoleon Avenue and ending at the Elizabeth Street Pump Station. (\$27,500 (fee); 2012)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Kevin A. Roberts
CADD Technician (AutoCADD Drafting Services)

Project Assignment:

CADD Technician (AutoCADD Drafting Services)

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

<p>6 years (joined BFM in 2018); 39 years total (1985)</p>	<p><i>BFM Corporation, LLC 2018 to present</i> <i>J.V. Burkes and Associates 2017 to 2018</i> <i>Evans-Graves Engineers 2003 to 2017</i> <i>J. Ray McDermott 2002 to 2003</i> <i>MECO (Drafting Dept) 2002 to 2003</i> <i>Advanced Commercial Contracting (Drafting Dept) 1999 to 2002</i> <i>SOTEC (Drafting Dept) 1999</i> <i>UNO Purchasing & Physical Plant Depts. 1985 to 1997</i></p>
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Education: Degree(s)/Year/Specialization:

A.D., 1999, Drafting & Design, Louisiana Technical College
Coursework, 1994-1997, Nunez Community College
Coursework, 1984-1988, Delgado Community College
Coursework, 1982-1983, University of New Orleans

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Kevin Roberts has direct drafting experience with civil engineering, offshore engineering, water purification systems, and general architectural and construction design & terminology. He joined BFM in 2018 and provides drafting services to the firm.

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

TEC Professional Services Questionnaire

Other experience and qualifications: **Kevin A. Roberts (continued)**

North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)

Fisher School Phase 2 Levee, Lafitte, Jefferson Parish, LA. For this project, BFM established a Temporary Benchmark (TBM) on both ends of the proposed Fisher School Phase 2 Levee project in order to establish site elevations for the project's engineer. BFM further confirmed the Top of Wall elevation near the end of the Phase 1 project location, which was at Fleming Park Road. Per engineer request, a second TBM was set near the project site's pump station. (\$950 (fee); 2019)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

Avenue D Drainage Improvements (Phase VIII: Allo Street), Metairie, Jefferson Parish, LA. BFM Corporation executed a Route Topographic Survey for the Allo Street project area, which extended from 4th Street to 6th Street. A baseline was established along the centerline of Allo Street, with Temporary Benchmarks at each intersection along the route. Cross sections taken on a 25 ft. grid. Existing improvements were located within the designated Limits of Survey, as were visible above-ground and underground utilities, piping, and natural features including trees and shrubbery. (\$12,855 (fee); 2019)

Metairie Road Drainage Evaluation, Metairie, Jefferson Parish, LA. BFM Corporation provided Route Topographic Surveying for this Drainage Evaluation Project (PW 2018-024-DR) in Jefferson Parish. The scope of services included a full Route Topographic Survey (includes all services, utilities, properties, elevations and items necessary to perform any and all engineering and construction work) from gutter line to gutter line along Metairie Road from the westerly apparent right-of-way (ROW) of Causeway Boulevard to easterly apparent R/W of Focis Street. The project encompassed approximately 10,400 linear feet, with cross-sections and elevations surveyed included as part of the scope. (\$18,350 (fee); 2020)

Lafitte Drainage Project, Town of Jean Lafitte, Jefferson Parish, LA. BFM Corporation provided Route Topographic Surveying services for a proposed drainage servitude project in the Town of Jean Lafitte in Jefferson Parish, LA. The project built on a previous BFM project (No. 10309). The project also included provision of boundary surveying in order to provide a servitude plat with legal description. The topographic survey element included establishing a baseline along the route, location of existing improvements, location of drainage, sewerage, and water structures, locating trees and drip lines, and taking spot elevations. For the Servitude Survey, BFM located property corners on the affected properties, and adjacent lots, to verify the boundary. Deliverables included a detailed indelible prints and high-resolution PDFs, cross sections & Three-Point TIE worksheet, a metes-and-bounds legal description of the servitude, and AutoCAD drawing files in DWG format. (\$11,875 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Will Farber, E.I. Land Surveyor Apprentice/Drafting Services	
Project Assignment:	
Land Surveyor Apprentice/Drafting Services	
Name of Firm with which associated:	
 Professional Land & Hydrographic Surveying	
Years' experience with this Firm:	
2 years (joined BFM in 2022); 12 years total (2012)	<i>BFM Corporation, LLC 2022 to present</i> <i>Statewide Land Surveying 2022</i> <i>AKS Engineering & Forestry 2020 to 2022</i> <i>Bridge Diagnostics Inc. 2018 to 2020</i>
Education: Degree(s)/Year/Specialization:	
B.S., 2018, Civil Engineering (minor in Surveying), LSU	
Active Registration: Year first registered/discipline:	
2018, Engineer Intern (Louisiana, No. 33903)	
Other experience and qualifications relevant to the proposed Project:	
<p>Will Farber, E.I., serves as a Land Surveyor Apprentice; his work with BFM includes survey field services and CADD drafting services (including Civil 3D). His experience also includes working with Leica Infinity, Carlson, InfraWorks, and ReCap, and has worked with Total Station for land surveying, bathometry, and photogrammetry. Will's past experience includes providing services as an NDE Field Engineer for numerous projects with several types of field inspection testing & monitoring methods; this included Photogrammetry, ultraseismic testing, ground penetrating radar (GPR), and infrared thermography, among others. This project work has included bridge dams, culverts, telecommunication structures, pavements, and other civil infrastructures.</p> <p>Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA. BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document. (\$2,975 (fee); 2023)</p> <p>Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Will Farber, E.I. (continued)**

Levee Intake Pump Station Cell Inspection at the New East Bank Water Treatment Plant, Jefferson Parish, LA. BFM Corporation was selected by Jefferson Parish to provide a cell inspection survey for the project. Diving services were subcontracted to Specialty Diving of Louisiana, with BFM personnel supervising all data collection and resultant underwater 3D scanning (Teledyne BlueView BV5000, 3D Mechanical Scanning Sonar). (\$8,175 (fee); 2023)

Central Avenue Roadway Drainage & Water Main Improvements, Jefferson Parish, LA. BFM Corporation provided surveying services for the project; the scope of which consisted of verifying pipe sizes and inverts for drainage structures along the west side (only) of Central Avenue, which was located during a previous BFM project. BFM located any new drainage structures within the previous survey limits and determined the depth, size, and type of pipes within each drainage structure which were shown on the previous survey. This included catch basins, drop inlets, and ditch culvert pipes. Alterations/updates were noted on an updated version of the previous survey. (\$2,850 (fee); 2022)

Rehabilitation of Sewer Lift Station D4-7A at Sauve Road and Generes Drive, Harahan, Jefferson Parish, LA. BFM was contracted to prepare a Topographic Survey of an existing sewer lift station in Harahan. The project involved establishing a baseline as well as a Construction Benchmark and Temporary Benchmark. The survey further located improvements, utilities, and applicable trees. Spot elevations were taken at 25 foot intervals. (\$6,830 (fee); 2022)

Rehabilitation of Sewer Lift Station F7-13 at Veterans Boulevard and Neyrey Drive, Metairie, Jefferson Parish, LA. BFM was contracted to prepare a Topographic Survey of an existing sewer lift station in Metairie. The project involved establishing a baseline as well as a Construction Benchmark and Temporary Benchmark. The survey further located improvements, utilities, and applicable trees. Spot elevations were taken at 50-foot intervals. Property corners were located to establish the rights-of-way, with the final survey showing the ROW and adjacent boundary information. (\$11,570 (fee); 2022)

Sewer Lift Station at Midway Drive & Soniat Canal, Harahan, Jefferson Parish, LA. BFM Corporation executed a Topographic Surveying of the Sewer Lift Station at Midway Drive & Soniat Canal in Harahan, LA. The project included establishing a baseline and setting a Construction Benchmark, located improvements, utilities, and applicable trees, with spot elevations taken at 25 foot intervals. Apparent right-of-ways were shown on the final survey. Deliverables included detailed indelible prints, a Three-Point Tie Worksheet, and Construction Benchmark Certificate. (\$6,560 (fee); 2022)

Bonnabel Canal, from W. Esplanade Avenue to Veterans Boulevard, Metairie, Jefferson Parish, LA. The project, being executed for the Jefferson Parish Department of Capital Projects, involves establishing a baseline and setting Temporary Benchmarks. Scope includes location of improvements, utilities, and applicable trees. Spot elevations are included. The project is utilizing established Jefferson Parish GIS to show the apparent rights-of-way. The project involves 4100 lf of topographic survey along the Bonnabel Canal, from West Esplanade Avenue to Veterans Memorial Boulevard. (\$63,000 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Curtis "Jay" Barrios Survey Crew Chief	
Project Assignment:	
Survey Crew Chief	
Name of Firm with which associated:	
 BFM CORPORATION, LLC Professional Land & Hydrographic Surveying	
Years' experience with this Firm:	
34 years (joined BFM in 1990); 39 years total (1985)	<i>BFM Corporation, LLC 1990 to present</i> <i>Benson Mercedes Benz 1989 to 1990</i> <i>SECO Electric 1987</i> <i>Frishhertz Electric 1986 to 1987</i> <i>Plain Construction 1985 to 1986</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
<i>American Traffic Safety Service Assn. – Traffic Flagger</i> <i>Basic OSHA Training Class Completion</i> <i>Transportation Work Identification Card (TWIC)</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Jay Barrios' surveying experience includes boundary, hydrographic, and topographic. He has been the Survey Crew Chief for thousands of projects and is one of the more experienced surveyors in the area. Further, Mr. Barrios has been involved on major transmission projects for Entergy and South Central Bell (AT&T).</p> <p>North Arnoult Drainage Pump Station Improvements, Jefferson Parish, LA. Project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits. (\$6,870 (fee); 2019)</p> <p>Veterans Boulevard Pump Station, Metairie, Jefferson Parish, LA. BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Curtis "Jay" Barrios (continued)**

included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document. (\$2,975 (fee); 2023)

Fulton Street Pump Station, Jefferson Parish, LA. BFM Corporation provided boundary with topographic survey for the Fulton Street Pump Station project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall. (\$11,890 (fee); 2017)

East Bank Water Treatment Plant Improvements Project (including Laser Scanning), Jefferson Parish, LA. BFM provided surveying services for Tasks 1 (topographic) and 2 (boundary) of the project, part of a major improvements project for the East Bank Water Treatment Plant located at 3600 Jefferson Highway in Jefferson Parish. This included executing a 3D Laser Scan for an As-Built Utilities survey. Draft surveying (in conjunction with the Prime Firm) as well as provision of final survey were prepared as directed. (\$166,230 (fee); 2017)

Lafitte Drainage Project, Town of Jean Lafitte, Jefferson Parish, LA. BFM Corporation provided Route Topographic Surveying services for a proposed drainage servitude project in the Town of Jean Lafitte in Jefferson Parish, LA. The project built on a previous BFM project (No. 10309). The project also included provision of boundary surveying in order to provide a servitude plat with legal description. The topographic survey element included establishing a baseline along the route, location of existing improvements, location of drainage, sewerage, and water structures, locating trees and drip lines, and taking spot elevations. For the Servitude Survey, BFM located property corners on the affected properties, and adjacent lots, to verify the boundary. Deliverables included a detailed indelible prints and high-resolution PDFs, cross sections & Three-Point TIE worksheet, a metes-and-bounds legal description of the servitude, and AutoCAD drawing files in DWG format. (\$11,875 (fee); 2022)

Taft Park Pump Station and Drain Line Path, Jefferson Parish, LA. BFM executed Topographic Surveying services involving location & elevations of the drainage structures for monitoring of the Taft Park Pump Station. The survey encompassed the area extending from 33rd Street (Vernon Street) to West Napoleon Avenue. The scope included establishing a project baseline that could be recovered for construction; elevations & spot elevations, and; cross sections. The survey also plotted the location of improvements within the designated limits of survey. (\$23,531 (fee); 2009)

Parish-Wide Safe House Program, Jefferson Parish, LA. BFM provided surveying services associated with elevated safe houses at multiple locations throughout Jefferson Parish; this was part of a Parish-wide project to establish safe houses for pumping stations at multiple locations which will allow pump operators to safely remain at their station, ensuring the pumps continue to operate, during a hurricane event. (\$112,490 (fee); 2005 - 2007)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Eric Gladney II
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

10 years (joined BFM in 2014);
23 years total (2001)

BFM Corporation, LLC | 2014 to present
Seatech Industries | 2010 to 2012
Richmond W. Krebs & Associates, LLC | 2008 to 2010
Krebbs, LaSalle, LeMieux Consultants Inc. | 2003 to 2008

Education: Degree(s)/Year/Specialization:

High School Diploma

Active Registration: Year first registered/discipline:

American Traffic Safety Service Assn. – Traffic Flagger
Basic OSHA Training Class Completion
Norfolk Southern Roadway Worker Protection Contractor Safety Certificate
Transportation Work Identification Card (TWIC)

Other experience and qualifications relevant to the proposed Project:

Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, LA. BFM Corporation provided a Route Topographic Survey with Hydrographic Survey for the project, located in River Ridge, Louisiana. The levee and hydrographic survey area was noted as 400 feet wide (200 ft. in either direction of the extended centerline of Colonial Heights Road). The hydrographic survey extended 500 feet into the river from the water's edge. The full scope of the project also included research of public land records; location of property corners; establishing a baseline along the rear property line and; establishing Temporary Benchmarks. Existing improvements were located, as well as visible above ground utilities and those underground utilities with visible surface evidence. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey. (\$89,780 (fee); 2020)

Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, LA. BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work. (\$6,775 (fee); 2023)

TEC Professional Services Questionnaire

Other experience and qualifications: **Eric Gladney II (continued)**

Central Avenue Roadway Drainage & Water Main Improvements, Jefferson Parish, LA. BFM Corporation provided surveying services for the project; the scope of which consisted of verifying pipe sizes and inverts for drainage structures along the west side (only) of Central Avenue, which was located during a previous BFM project. BFM located any new drainage structures within the previous survey limits and determined the depth, size, and type of pipes within each drainage structure which were shown on the previous survey. This included catch basins, drop inlets, and ditch culvert pipes. Alterations/updates were noted on an updated version of the previous survey. (\$2,850 (fee); 2022)

The Westshore Enhancements Storm Surge Protection Project (Phase 1 & 2), Ascension Parish, LA. BFM provided Boundary and Route Topographic and Hydrographic Surveying for the project in Ascension Parish, LA; as established, the project was executed in two phases. For both phases, BFM established a baseline along the route with the beginning, end, and points of intersection referenced by three-point ties to topographic features in the area. Existing improvements within the designated Limits of Survey were located; as were above ground and underground utilities. The survey also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures. Deliverables for both phases included detailed prints, a Three-Point Tie Worksheet, and a high-resolution PDF and AutoCAD DWG files. (\$477,340 (fee); 2023)

Proposed Sewer Lift Station Near Ehret Road & Broas Drive, Jefferson Parish, LA. BFM Corporation provided boundary with topographic surveying services for the proposed Sewer Lift Station project located near Ehret Road and Broad Drive. The survey was incorporated into BFM previous project #10009 (Sewer Lift Station L-1 3-6; February 2019). Project included establishing a baseline, taking spot elevations, locating improvements & utilities, and preparing a Construction Benchmark. The scope also involved property acquisition surveys, including setting property corners. (\$9,760 (fee); 2022)

Proposed Baton Rouge Ground Storage Tank, East Baton Rouge Parish, City of Baton Rouge, LA. For the project, BFM Corporation provided boundary and topographic surveying services, including establishing a baseline and setting both a Construction Benchmark (CBM) and Temporary Benchmark (TBM). The survey further located improvements, utilities, property corners, edge of wooded areas, geotechnical bore holes, and swale (minor swales/ditches & existing sewer manholes) for sewer trunkline. Spot elevations were also taken, as were finished floor elevations (FFE). (\$46,210 (fee); 2021)

Route Topographic Survey for Jefferson Parish Waterline Replacement Project, Central Avenue, Karen Avenue, and Newman Avenue, JPPW 2023-007-WRB, Jefferson Parish, LA. BFM Corporation was selected to prepare a Route Topographic Survey for the project (approximately 5,650 linear feet). The project will establish a baseline throughout the project, a Construction Benchmark (CBM), and set Temporary Benchmarks (TBMs) along each route. Existing improvements and utilities will be located. BFM will determine depth, size, and type of pipes and locate and identify trees. BFM will also locate property corners to establish the rights-of-way. BFM has provided surveying on multiple Waterline Projects as part of a larger overall Waterline Improvements Program for Jefferson Parish. (\$67,740 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Zachary D. Pittman
Survey Crew Chief

Project Assignment:

Survey Crew Chief

Name of Firm with which associated:

BFM CORPORATION, LLC
Professional Land & Hydrographic Surveying

Years' experience with this Firm:

1 year (joined BFM in 2023);
27 years total (1997)

BFM Corporation, LLC | 2023 to present
Atwell Oil and Gas | 2020 to 2023
Universal Pegasus-Hill | 2017 to 2020
Altura Land Consultants (CO) | 2017 to 2017
NOLA Construction | 2016 to 2017
Gandolfo Kuhn | 2014 to 2016
Cavada Surveyors (CO) | 2013 to 2014
McClone Construction (CO) | 2013 to 2013
GEC Engineering (fm Krebs Lasalle Lemeiux Eng) | 2010 to 2013
Jerry Rugg PLS | 2007 to 2010
Mike Duty PLS | 2006 to 2007
Sage Alliance Co Engineers (AZ) | 2006 to 2006
Tommy Semmes Jr. Surveying | 2005 to 2005
Mike Duty PLS | 2004 to 2005
Cross Country Surveyors | 2002 to 2003
Falcon Surveying (CO) | 2002 to 2002
Charlie Peterson PLS (FL) | 2002 to 2002
Maroney Engineering | 2001 to 2002
Eastside Glass and Sealants (WA) | 2000 to 2000
Jerry Rugg PLS | 1999 to 2000
Mike Duty PLS | 1997 to 1999

Education: Degree(s)/Year/Specialization:

High School Diploma
Bachelor of Arts Coursework (2 years), University of Louisiana at Monroe

Active Registration: Year first registered/discipline:

N/A

Other experience and qualifications relevant to the proposed Project:

Zachary Pittman has worked in the industry since 1997 and has vast experience in surveying services, including a multitude of project types and thousands of projects throughout the region, having served as both Survey Crew Chief and Instrumentman/Rodman. As a field layout engineer, he was in charge of layout and quality control for a large concrete construction company and

TEC Professional Services Questionnaire

Other experience and qualifications: **Zachary D. Pittman (continued)**

further served as a part-time foreman for oversight of foundation, wall, and caisson crews. Mr. Pittman's project experience includes topographic and hydrographic surveying tasks, including ALTA, boundary, elevation certificates, land planning, lot stakeouts, construction layout, and civil engineering projects. Projects have included cell towers, large and small pipeline construction programs, a large light rail project, sports complex buildings, bridge layouts, gas compressor station as-built and natural gas projects, meter stations and main line replacements, and industrial/gas plants and mines.

Mr. Pittman has Multiple Operator Qualifications for all aspects of pipeline locating and surveying, and is experienced with all instrumentation and various other aspects of surveying involved. This includes Static and RTK GPS; Leica, TDS, Trimble, and Topcon operating systems; Robotic Total Station, and Leica, Trimble, and FARO scanning systems. He also is knowledgeable with JSA, job task, and quality control documents as well as Bluebeam Construction Software, Trimble Business Center, Captivate, and CAD.

Lift Stations F6-11 & G6-4, Jefferson Parish, LA. BFM provided Topographic & Right-of-Way Surveying; scope included establishing a baseline, taking spot elevations (25 ft intervals), location of existing improvements and natural elements as well as utilities (above- and below-ground) and piping (drainage, sewerage, and water structures). BFM also located property corners to establish the rights-of-way and property ownership for the two sites. Project deliverables included prints, high-resolution PDF, Three-Point Tie Worksheet, and AutoCAD drawing files. A Construction Benchmark Certificate was provided for each site. (\$17,860 (fee); 2024)

Bonnabel Canal Right-Of-Way Survey, Jefferson Parish, LA. BFM was selected to provide Right-of-Way Surveying services for the project area along a portion of the Bonnabel Canal; the survey established the easterly & westerly right-of-way for Bonnabel Canal in relation to the properties along the east of the canal (Bonnabel Place Subdivision) and the westerly side of the canal (Beverly Garden Extension). Scope included providing an abstract to trace the chain of title (including any known or recorded servitudes), and locating property corners and the top of bank along the east and west of Bonnabel Canal to show it in relation to the rights-of-way/servitude. Project deliverables included a Signed & Sealed Survey Plat and high-resolution PDF. (\$47,680 (fee); 2024)

West Esplanade Avenue U-Turn at Bonnabel Canal, Metairie, Jefferson Parish, LA. BFM provided topographic and right-of-way (R/W) surveying services for the project located in Metairie. The scope of services included establishing a baseline, two Temporary Benchmarks (TBM), and spot elevations. BFM also located property corners to establish the rights-of-way and property ownership. The survey located existing improvements, utilities, and pipes (drainage, water, sewerage). Project deliverables included physical & digital files as well as a Three-Point Tie Worksheet. (\$11,310 (fee); 2024)

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Coventry Drainage Pump Stations, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70006</p> <p>Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>BFM provided a Route Topographic Survey with Hydrographic Survey; the levee and hydrographic survey area was noted as 400 ft. wide (200 ft. in either direction of the extended centerline of Colonial Heights Rd.). The hydrographic survey extended 500 ft. into the river from the water's edge. Project scope also included research of public land records; location of property corners; establishing a baseline along the rear property line, and; establishing Temporary Benchmarks. Existing improvements were located, as well as above & below-ground. The survey further determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established above. Trees were also located. Spot elevations were taken at 50-foot intervals within the Limits of Survey.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
June 2020	N/A	\$89,780 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Fulton Street Pump Station, Jefferson Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>Tony Moschella, 504-486-5901 tmaschella@bkiusa.com</p>	<p>BFM provided boundary with topographic survey for the project. The scope of services included establishing horizontal control, setting Temporary Benchmarks, and plotting the location of improvements & topographic elements (man-made and natural). BFM also determined the depth, size, and type of pipes within surface observable drainage, sewerage, and water structures as established. For the topographic survey, spot elevations did not exceed a 25-foot grid within the Limits of Survey and included bottom of canal elevations along adjacent wall.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2017	N/A	\$11,890 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Orange Lane Drainage Pump Station Project (Drainage Mapping), Grand Isle, Jefferson Parish, Louisiana</p> <p>AIMS Group, Inc. 4421 Zenith Street Metairie LA 70001</p> <p>Lowell Pitré, P.E., 504-887-7045 ljp@aimsgroupinc.com</p>	<p>The project consists of a new storm water pumping station on the intersection of Orange Lane at Orleans Avenue in Grand Isle, Louisiana. The scope of services includes obtaining topographical survey information and the preparation of a drainage map for the project. Phase 1 of the project involved the topographic and right of way surveying services; BFM conducted a site topographic survey at the proposed lift station site and provided boundary surveying to determine rights of way. Phase 2 of the project established the Drainage Map. BFM located all drainage structures within the Limits of Survey; this included ditches, culverts, drain inlets, and catch basins. A drone survey was executed to gather a 25 ft elevation grid throughout the project area.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2020	N/A	\$32,280 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Westwego Drainage Pump Station No. 1, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Drainage 1221 Elmwood Park Blvd Ste 907 Harahan LA 70123</p> <p>Ben Lepine, 504-736-6759 blepine@jeffparish.net</p>	<p>BFM provided services for a Limited Topographic Survey at the project site, Westwego Drainage Pump No. 1. The scope of services first re-established Site Horizontal and Vertical control, as these were established as part of a previous BFM project (BFM No. 9730). Services next included locating existing improvements within the designated Limits of Survey, taking elevations and cross sections, and verification of piping and utilities.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2018	N/A	\$4,725 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>North Arnoult Drainage Pump Station Improvements, Jefferson Parish, Louisiana</p> <p>Hartman Engineering, Inc. 527 W. Esplanade Ave Suite 300 Kenner LA 70065</p> <p>Rolland A. Mura, 504-466-5667 rmura@harteng.com</p>	<p>The project involved a boundary with topographic survey, establishing a baseline parallel to the right-of-way. Points of intersection set were referenced by 3-point ties to topographic features in the area. Two temporary benchmarks were established. Existing improvements were located, including utilities, piping, and natural elements. Building corners within the limits of survey were also located, as were property corners in order to determine the rights-of-way and property boundary limits.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2019	N/A	\$6,870 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Timberview Lane Pump Station, Harvey, Jefferson Parish, Louisiana</p> <p>H. Davis Cole & Associates, Inc. 1340 Poydras Street Suite 1850 New Orleans LA 70112</p> <p>H. Davis Cole, P.E., 504-836-2020 hdcole@hdaviscole.com</p>	<p>BFM was selected to provide topographic surveying services for the project, which involved establishing a baseline and construction benchmark, locating improvements and above & below ground utilities (for each utility, BFM located the upstream/downstream structures), and taking spot elevations at 10 ft. intervals.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
September 2022	N/A	\$4,530 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Veterans Boulevard Pump Station, Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Engineering 1221 Elmwood Pk Blvd Ste 802 Jefferson LA 70123</p> <p>Matthew Zeringue, 504-736-6500 meringue@jeffparish.net</p>	<p>BFM executed a Survey Control Verification for the project; scope included locating and verifying the horizontal and vertical control points from a previous BFM surveying project (No. 8244; 2013/2014); a minimum of 2 horizontal and 1 vertical control points were to be provided per site. Project deliverables included a detailed indelible print with an aerial background image clearly showing point location, Northing, Easting, elevation, and description, and a high-resolution PDF of the document.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
January 2023	N/A	\$2,975 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Coventry Drainage Pump Station Cross Section Survey Update, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70006</p> <p>Sunina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>BFM Corporation provided a single cross section for the project which then updated a previous BFM Survey Project (No. 101214) in order to include the information obtained under this scope of work.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
April 2023	N/A	\$6,775 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Bayou Segnette Drainage Pump Station No. 1 Survey Verification, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Drainage 1221 Elmwood Park Blvd Ste 907 Harahan LA 70123</p> <p>Ben Lepine, 504-736-6759 blepine@jeffparish.net</p>	<p>BFM Corporation provided surveying services to verify horizontal and vertical control for the project site; an extension of a previous BFM project (#9303) where the firm provided topographic surveying services. Full documentation for the horizontal and vertical values of the control points established was provided.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
July 2020	N/A	\$550 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Goose Bayou Drainage Pump Station, Lafitte, Jefferson Parish, Louisiana</p> <p>CB&I Coastal, Inc. 2424 Edenborn Ave Ste 450 Metairie LA 70001-6463</p> <p>Gene S. Gillen, P.E., 504-832-4878 gene.gillen@CBI.com</p>	<p>BFM provided boundary and topographic surveying services for the project. The scope of services included obtaining available title data, supplemented with courthouse research. BFM located property corners to establish rights-of-way, setting a closed traverse around the site, establishing Temporary Benchmarks (TBM), taking elevations, and plotting the location of improvements and topographic features, both natural and man-made. The scope of services included producing cross sections and plotting spot elevations on paving or other hard surfaces.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2016	N/A	\$11,905 (fee)

TEC Professional Services Questionnaire

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

Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	<p><i>BFM Corporation is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i></p>	
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project.

BFM CORPORATION, LLC

Professional Land & Hydrographic Surveying

CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

Established in 1982, **BFM Corporation, LLC, Professional Land & Hydrographic Surveying**, provides services to public & private concerns throughout Louisiana and the Gulf South. For over 40 years, BFM has provided surveying services covering all facets of engineering, construction, and forensics; topographic, and hydrographic, as well as drone-based surveying and high-definition laser scanning.

BFM Corporation is a majority Woman-Owned Business Enterprise (WBE) as well as a Hudson Initiative certified Small & Emerging Business and Small Entrepreneurship in Louisiana.

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our surveying experience with Jefferson Parish.

BFM’s capabilities include the following and more:

- Topographic Surveying
- Drone Surveying / Photogrammic and LiDAR

TEC Professional Services Questionnaire

N. continued.

- Bathymetric / Hydrographic Surveys
- Property, Boundary, and Right-of-Way Surveys
- Maps, Cross-Sections, and Data Sets
- 3D Laser Scanning
- Benchmarks
- Construction-Related Surveying
- Builder's Package Surveys
- American Land Title Association (ALTA) Surveys

BFM's project work routinely involves **extensive records and related research** as an element of successful completion, as well as coordination with the client, agency or department. BFM has the personnel to make sure this is done correctly and expeditiously.

Our **Survey Field Crews** are equipped with Leica Captivate Data Collectors as well as Leica GPS Smart Antennas. Each GPS unit is linked to the Leica SmartNet Network, giving each crew the ability for Real Time Kinematic Positioning (RTK), derived from the Global Navigation Satellite System (GNSS). Crews are outfitted with Leica TS series robotic total stations, simplifying and expediting projects. Furthermore, BFM has photogrammetry included into our GPS Receivers that allow our technicians to capture and utilize point cloud data in the field. The tilt functionality built into the GPS receivers allows for shooting without leveling the rod; this greatly increases speed of fieldwork while keeping accuracy and precision intact. BFM's crews are trained to use this equipment to its full potential to maximize efficiency and accuracy in the field.

BFM's Drone Surveying features a DJI Matrice drone; this allows BFM to quickly & accurately capture data and facilitates quicker field work to produce highly accurate and precise surveying information. Deliverables feature Clean Point Cloud, 3D Mesh, Orthomosaic, and AutoCAD DWG Topographic.

BFM's **3D modeling capabilities** allow us to process & model for any design purpose. High-definition scanner data is processed using software from Leica and Autodesk. BFM is working on non-traditional survey deliverables, including virtual tours, live walkthroughs, detailed pipe rack modeling, and modeling for use with Autodesk Revit Architecture.

When needed, BFM provides **bathymetric surveying** to handle any **hydrographic surveying** tasks. For large rivers and bodies of water, BFM is equipped with Teledyne Odom Hydro Solutions' Hydro Trac Single Beam Echo Sounder. For smaller bodies of water, BFM uses an SL20 Remote Controlled Boat equipped with CEE Scope Dual Channel Echo Sounder. The firm uses Hypack Software to process collected data. Further, BFM can execute multi-beam scans, side scans and magnetometer surveys upon request.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 2 | SIZE OF FIRM

As noted, BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by the contract or project engineer. BFM has no issue with meeting the project deadlines set forth by our clients, both municipal and private. It is our continual goal to keep this reputation solid. Further, we establish base costs and fees for our services, and work with our clients to meet all project budgets.

As noted in **item E** of this form, BFM currently has a **full-time staff of over two dozen people**, including **two Registered Professional Land Surveyors, Survey Field Crew Personnel, and AutoCAD drafting personnel**, as well as **complete administrative and support staff**.

CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

BFM has the manpower and equipment to execute any surveying task within the reasonable time set forth by a contract or project engineer. It is our goal to keep this reputation solid. We establish base costs and fees for our services, and work with our clients to meet all project budgets. Our workload and scheduling, and proximity to the project site, will allow for quick assignment of personnel to any directed project.

BFM Corporation's **Ralph P. Fontcuberta, Jr., PLS**, Executive Vice President, is a **Louisiana-Registered Professional Land Surveyor (since 1974)** and meets or exceeds any minimum requirements for any surveying project. He has been **providing surveying services in Louisiana for over 50 years** and brings an almost incalculable wealth of experience in the region to any project, especially in Southeast Louisiana.

Chad M. Poché, P.E., Executive Vice President, brings **more than 25 years of experience** to assist in completing projects on time and within budget. He has been a consulting geotechnical engineer for more than 20 years in South Louisiana and has been the geotechnical engineer of record for thousands of projects.

Gary J. Lambert, Jr., PLS, Vice President is a **registered Professional Land Surveyor** and provides Project Management & Drafting Oversight and is the first point of contact for clients on technical matters. He meets with engineering, architectural, and government officials to discuss various project needs.

Our personnel included **multiple survey crews** and a **fully-staffed drafting department** to handle any project needs; they are thoroughly trained and extensively familiar with the region and needs of various types of surveying projects.

Our workload will allow for quick assignment of key personnel to any project assigned under this task. Our 40+ year history with the Parish is evidence of our responsiveness and our commitment to the Parish, its Departments, and its citizens.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 4 | PAST PERFORMANCE

BFM Corporation has provided **surveying services in Jefferson Parish since 1982**, both **directly to Parish agencies and as a consultant to firms serving the Parish**. The firm has executed many hundreds of projects in the Parish, including both direct Parish projects and State agency projects (CPRA, Louisiana DOTD, etc.), not to mention the scores of surveying projects for private individuals and industry.

As noted, Mr. Fontcuberta has **over half a century of professional land surveying experience**, including over 40 years with BFM. **He has provided professional surveying services for thousands of projects for and throughout Jefferson Parish.**

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our surveying experience with Jefferson Parish.

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

BFM has called Jefferson Parish home since the firm's inception in 1982; our office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner.

CRITERIA 6 | LEGAL STATEMENT

BFM Corporation is **not involved in litigation with Jefferson Parish** nor with any of our clients, as is noted in Item M of this form.

CRITERIA 7 | REFERENCES

For over 40 years, BFM Corporation has completed thousands of projects throughout Jefferson Parish and Southeast Louisiana, both to municipal and various private clients, similar to the project at hand, not to mention other drainage projects in a wide range of sizes, from small lot to Parish-wide endeavors. **Multiple examples of this work are included throughout this form in both the Personnel Résumés section (Item K) and Representative Project Work (Item L).** We invite you to discuss our project work with the references noted for each project.

BFM Corporation has worked with virtually every municipality in the region. We enjoy a high repeat-business rate with all our clients. **We offer the following specific references for contact:**

Mark R. Drewes, P.E., Director, Jefferson Parish Public Works Department
(504-736-6783 | JPPW@jeffparish.net)

Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish Public Works Dept.
(504-736-6783 | JPPW@jeffparish.net)

TEC Professional Services Questionnaire

N. continued.

Angela DeSoto, P.E., Director of Engineering, Jefferson Parish

(504-736-6511 | ADeSoto@jeffparish.net)

Sid Trouard, P.E., Program Manager, Jefferson Parish Sewerage Capital Improvement Program

(504-736-6386 | STrouard@jeffparish.net)

Ben Lapine, Acting Director, Department of Drainage, Jefferson Parish

(504-736-6661 | JPSewerage@jeffparish.net)

Michael B. Cooper, Parish President, St. Tammany Parish

(985-898-2362 | president@stpgov.org)

José A. Gonzales, CAO, City of Kenner

(504-468-4090 | jgonzalez@kenner.la.us)

Khalid L. Saleh, PhD, Capital Program Administrator, New Orleans Public Works Dept.

(504-658-8000 | khsaleh@nola.gov)

Greg Cromer, Mayor, City of Slidell

(985-646-4333 | gcromer@cityofslidell.org)

Our professional work history is exemplary. We strive to provide on-time and technically thorough project deliverables at the budget set by our clients.

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

Signature: _____

Print Name: Chad M. Poché, P.E.

Title: Executive Vice President

Date: August 22, 2024

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

Name: Public Address:

15 Veterans Memorial Boulevard
Kenner, Louisiana 70062
BFM Corporation, LLC

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
VF.0000008	Active	09/11/1984	09/30/2025	Mr. Ralph P. Fontcuberta Jr. # PLS.0004329



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number Expiration Date
PLS.0004329 **09/30/2024**

Status: **Active**



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Chad Mitchell Poche

License/Certificate Type - Number Expiration Date
PE.0027667 **09/30/2024**

Status: **Active**



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Gary James Lambert Jr.

License/Certificate Type - Number Expiration Date
PLS.0005259 **03/31/2026**

Status: **Active**



LOUISIANA PROFESSIONAL ENGINEERING & LAND SURVEYING BOARD (LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. William Mead Farber

License/Certificate Type - Number Expiration Date
EI.0033903 **03/31/2025**

Status: **Active**



Division of Small and Emerging Business Development
SEBD CERTIFICATION

BFM CORPORATION, LLC

is hereby certified as a Small and Emerging Business Enterprise.

This certification is valid beginning 7/19/2019 and supersedes any registration or listing previously issued. At any time there is a change in ownership or control of the firm, notification must be made immediately to the Division of Small and Emerging Business Development.

Issued at Baton Rouge, Louisiana 7/19/2019

This certification expires on: 7/19/2029

Certification No. 9551

John W. Matthews, Jr.,
Executive Director, Entrepreneurial Services



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

BFM CORPORATION, LLC

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

This certification is valid from 9/13/2023 to 9/13/2024 .

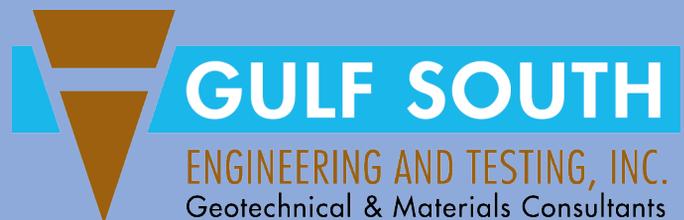
Certification No. 9551

Stephanie Hartman,
Director, Entrepreneurial Services

5. GULF SOUTH ENGINEERING AND TESTING, INC.

Subconsultant: Geotechnical Engineering

- TEC Professional Services Questionnaire



TEC Professional Services Questionnaire

A. Project Name and Advertisement Resolution Number:

Independence Park Drainage Pump Station
SOQ 24-029 | Resolution No. 144443

B. Firm Name & Address:



Gulf South Engineering and Testing, Inc.
 15 Veterans Memorial Boulevard | Kenner LA 70062

C. Name, title, and contact information of Principal, as defined in Section 2-926 of the Jefferson Parish Code of Ordinances, who is a registered, licensed architect, professional engineer, or surveyor in the State of Louisiana:

Chad M. Poché, P.E., Executive Vice President
 504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com
 Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

D. Name and contact information of employee who is a registered and licensed architect, professional engineer, or surveyor in the State of Louisiana in the applicable discipline. A subcontractor may be substituted here only if the advertised Project requires more than one discipline:

Chad M. Poché, P.E., Executive Vice President
 504-305-4401 | 504-460-5239 cell | cpoche@gulfsoutheng.com
 Registered Professional Civil Engineer (Louisiana No. 27667; since 1998)

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

<u>7</u> Administrative	<u> </u> Estimators	<u> </u> Specification Writers
<u> </u> Architects (Licensed)	<u> </u> Geologists	<u> </u> Structural Engineers
<u> </u> Chemical Engineers	<u>2</u> Geotechnical Engineers	<u> </u> Graduate Engineers
<u> </u> Civil Engineers	<u> </u> Interior Designers	<u>1</u> Project Managers
<u>10</u> Construction Inspectors	<u> </u> Landscape Architects	<u> </u> Clerical (<i>see Administrative</i>)
<u> </u> Ecologists	<u> </u> Land Surveyor (<i>Apprentice</i>)	<u> </u> Grant/Funding Specialist
<u> </u> Electrical Engineers	<u> </u> Mechanical Engineers	<u> </u> Sanitary Engineers
<u> </u> Engineer Intern	<u> </u> Environmental Engineers	<u>1</u> CMT Supervisor
<u>1</u> Professional Land Surveyors		<u>1</u> Construction Svcs Manager
		<u>4</u> Laboratory Personnel
		<u>3</u> Soil Boring Personnel
		<u>30</u> TOTAL

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

If marked “no”, skip to Section I. If marked “yes”, complete Sections G-H.

TEC Professional Services Questionnaire

G. If submittal is by JOINT-VENTURE, list the firms participating and outline specific areas of responsibility (including administrative, technical, and financial) for each firm. Please attach additional pages if necessary.		
1. N/A		
2.		
H. Has this JOINT-VENTURE previously worked together? Please check: YES _____ NO _____ N/A		
I. List all subcontractors anticipated for this Project. Please note that all subcontractors must submit a fully completed copy of this questionnaire, applicable licenses, and any other information required by the advertisement. See Jefferson Parish Code of Ordinances, Sec. 2-928(a)(3). Please attach additional pages if necessary.		
Name & Address:	Specialty:	Worked with Firm Before (Yes or No):
1. N/A		
2.		
3.		
J. Please specify the total number of support personnel that may assist in the completion of the Project: 30 (all personnel will be available for assignment to the project)		

TEC Professional Services Questionnaire

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

PROFESSIONAL IN CHARGE OF PROJECT:

Name & Title:

Chad M. Poché, P.E.

Executive Vice President / Registered Professional Geotechnical Engineer

Project Assignment:

Geotechnical Engineer / Principal In Charge

Name of Firm with which associated:



Years' experience with this Firm:

13 years (founded Gulf South in 2011);
31 years total (1993)

BFM Corporation, LLC | 2017 to present
Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Eustis Engineering | 1996 to 2001
Soil Testing Engineers, Inc. | 1993 to 1996

Education: Degree(s)/Year/Specialization:

M.S., 1998, Civil Engineering, University of New Orleans
B.S., 1993, Civil Engineering, Louisiana State University

Active Registration: Year first registered/discipline:

1998, Civil Engineer (Louisiana No. 27667)
2002, Civil Engineer (Mississippi No. 15405)

Other experience and qualifications relevant to the proposed Project:

Chad M. Poché, P.E., is Executive Vice President, co-founder, and a Principal in Gulf South. He has been a consulting geotechnical engineer for nearly 30 years in South Louisiana, working on traditional and unique geotechnical engineering projects (shallow and deep foundation design, slope stability, pavement design, etc.). Mr. Poché has also provided construction oversight for virtually every type of earthwork related project. He has been the geotechnical engineer of record for thousands of projects throughout his career.

Mr. Poché's experience includes the development of appropriate scopes of work and proposals for a broad range of projects; planning and coordinating analyses; preparing technical reports; foundation and geotechnical engineering design; construction recommendations; Miss. River facility permitting; managing personnel and office operations and serving as an Expert Witness.

TEC Professional Services Questionnaire

Other experience and qualifications: **Chad M. Poché, P.E. (continued)**

Mr. Poché has logged soil borings; overseen the installation of ground water monitoring wells, piezometers, and inclinometers; overseen and evaluated pile load tests; overseen, performed, and evaluated dynamic pile testing (PDA and PIT); performed CMT field testing and inspection; and performed laboratory testing.

Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)

Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)

Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall. (\$7,500 (fee); 2020)

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, LA. Geotechnical investigation for below grade pump station replacement. Gulf South drilled 1 boring to 30 feet below the ground surface, provide laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding, and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,900 (fee); 2012)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Eric A. Paille, C.E.T., ACI Construction Services Manager	
Project Assignment:	
Construction Services Manager	
Name of Firm with which associated:	
 ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
13 years (joined Gulf South in 2011); 35 years total (1989)	<i>Gulf South Engineering and Testing, Inc. 2011 to present</i> <i>Ardaman and Associates, Inc. 2007 to 2011</i> <i>Soil Testing Engineers, Inc. 1988 to 2007</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
<i>ACI-I Field Technician (since 1991; No. 929012)</i> <i>Certified Engineering Technician (since 1992)</i> <i>Nuclear Gauge Safety Training (since 1994; No. 061321)</i> <i>Pile Driving Analyzer/CAPWAP, OSHA 40 HAZWOPER</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Eric A. Paille, C.E.T., ACI, serves as Gulf South's Construction Services Manager as well as the manager of our Gonzales office. He has experience as a technician, inspector, and testing manager, and is knowledgeable in all aspects of construction materials testing and construction inspection. Mr. Paille has performed all applicable field and soil tests over the past 30+ years. In addition, he is certified in the safe use and handling of the nuclear density gauge. He received PDA training in 2003 and has knowledge of PDA testing along with significant experience with pile driving analyzers. Mr. Paille is one of the most knowledgeable people in our industry.</p> <p>N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)</p> <p>Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA. This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage &</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Eric A. Paille, C.E.T., ACI (continued)**

Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

St. Peter's Ditch – Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, LA. Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection. (\$110,000 (fee); 2016)

Westwego Pump Station #1, Jefferson Parish, LA. Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$10,000 (fee); 2016)

Airline Park Blvd. Rehabilitation and Drainage Upgrade (W. Napoleon to Camphor), Jefferson Parish, LA. Geotechnical investigation for pavement rehabilitation, new drain lines, and a new pump station from W. Napoleon to Camphor. Scope of work included drilling four soil borings (depths of 15 & 50 ft), laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, estimates of settlement, pavement recommendations, bedding and backfill recommendations, and general construction recommendations. (\$8,500 (fee); 2015)

Pump Station A Investigation (St. Ann St. & Essence Way), Sewerage & Water Board of New Orleans, LA. Geotechnical investigation for determining existing pile foundation conditions for Pump Station A in the Tremé-Lafitte neighborhood of New Orleans, LA. Gulf South's scope includes drilling three soil borings each to a depth of 120 feet, laboratory testing (strength and classification), and geotechnical engineering analysis consisting of allowable pile load capacities and general construction recommendations for repair of the damaged areas. (\$24,325 (fee); 2015)

Violet Pump Stations (3 Sites), St. Bernard Parish, LA. Geotechnical investigation for St. Bernard Parish at three proposed pump/lift station sites. Gulf South's scope of work included performing three soil borings each to a depth of 120 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, allowable pile load capacities, bedding and backfill recommendations, uplift pressures, estimates of settlement, and general construction recommendations. (\$15,000 (fee); 2014)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>Brandon A. Paille, ACI Construction Materials Testing (CMT) Supervisor/Project Manager</p>	
Project Assignment:	
Construction Materials Testing (CMT) Supervisor/Project Manager	
Name of Firm with which associated:	
	
Years' experience with this Firm:	
5 years (2012-2016; 2023 to present); 14 years total (2010)	Gulf South Engineering and Testing, Inc. 2023 to present Ascension Parish Sheriff's Office 2016 to 2023 Gulf South Engineering and Testing, Inc. 2012 to 2016 Ardaman and Associates, Inc. 2010 to 2012
Education: Degree(s)/Year/Specialization:	
High School Diploma	
Active Registration: Year first registered/discipline:	
APNGA Nuclear Gauge Safety ACI Field Technician Level 1 OSHA Safety Training – 8 hr.	
Other experience and qualifications relevant to the proposed Project:	
<p>Brandon A. Paille, ACI has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, hydrometers, Atterberg limits, organic contents, moisture contents, proctor compaction tests, sieve analyses, as well as extrusion of samples. Mr. Paille's field experience includes soil inspection and testing consisting of nuclear density testing, soil boring logging, concrete testing and inspections, timber and precast pile logging and vibration monitoring. In Mr. Paille's years in the construction materials testing industry, he has obtained a vast amount of knowledge and experience which makes him an integral part of our Gulf South Team.</p> <p>New Sewer Lift Station (Butler Drive & Grambling Street) E-10-1, Waggaman, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$30,000 (fee); ongoing)</p> <p>New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Brandon A. Paille, ACI (continued)**

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

Northbound Manhattan Boulevard Widening, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes asphalt inspection; concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$11,000 (fee); 2023)

Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA. Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

Taft Park Drainage Improvements, Jefferson Parish, LA. Perform inspection and testing during construction of various drainage improvements at Taft Park. Scope of services provided by Gulf South included asphalt and/or concrete testing and inspection, field density tests, on-site inspection and documentation, and laboratory testing. (\$25,000 (fee); 2015)

Drainage System Engineering Analysis – CCTV Drain Line Inspections, City of New Orleans, LA. Project management and oversight of cleaning/flushing and inspection of sewer drainage pipelines in New Orleans, LA. Gulf South oversaw field operations and coordinated project phases with subcontractors. Subcontractor's inspection methods will utilize CCTV camera equipment to record drain line data. During post processing phase, all data was compiled and consolidated to create a digital database of the drain line information. (\$20,000 (fee); 2014)

Casing Installation - 40 Arpent Canal Floodwall, Chalmette, St. Bernard Parish, LA. Geotechnical investigation for casing installations at 40 Arpent Canal floodwall in Chalmette, LA. Casings installed to perform sonic tests to determine sheet pile lengths. Casings installed to depths of 40 to 60 feet below the ground surface and within 15 feet of the existing sheet pile. (\$18,900 (fee); 2014)

Grand Gulf Nuclear Station, Port Gibson, Claiborne County, MS. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing, soil density tests, earthwork inspection and testing. Safety requirements and badging to enter facility were extensive. (\$50,000 (fee); 2023)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
<p>James Tiner, ACI Laboratory Manager/Field Supervisor</p>	
Project Assignment:	
Laboratory Manager/Field Supervisor	
Name of Firm with which associated:	
 ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
11 years (2013 to present); 27 years total (1997)	<i>Gulf South Engineering & Testing, Inc. 2013 - present</i> <i>Ardaman & Associates, Inc. 2007 - 2013</i> <i>Soil Testing Engineers, Inc. 1997 - 2007</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
American Concrete Institute (ACI) Grade 1 Certification	
Other experience and qualifications relevant to the proposed Project:	
<p>James Tiner, ACI, has a quarter-century of experience in both field and laboratory testing & inspection. His field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, steel inspection, augercast pile inspection, vibration monitoring, drilled shaft inspection, static and dynamic pile load tests, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring.</p> <p>In the laboratory, Mr. Tiner has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.</p> <p>Westwego Pump Station #1, Jefferson Parish, LA. Gulf South performed field and laboratory testing during pump station #1 installation. Scope of services included field density tests, concrete testing and inspection, laboratory testing, and vibration monitoring. (\$10,000 (fee); 2016)</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **James Tiner, ACI (continued)**

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

Wastewater Treatment Plant (WWTP) No. 3 Expansion, City of Kenner, LA. Geotechnical investigation for expansion of the City of Kenner's WWTP. Expansion consists of new clarifiers, buildings, above and below grade piping, and pump stations. Services consist of drilling 11 soil borings to depths of 20 to 110 feet below ground surface, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, allowable pile load capacities, bedding and backfill recommendations, seismic classification, earth pressures, estimates of settlement, and general paving design recommendations. (\$39,000 (fee); 2012)

Replacement of Sewer Pump Station (SPS) 8, Sewerage & Water Board of New Orleans, LA. This \$15 million project consisted of the replacement of a sewer pump station for the Sewerage & Water Board of New Orleans. Gulf South provided field and laboratory inspection and testing of materials during construction (CMT). Our scope of services included performing: a pile load test, pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including field density tests, and steel inspection. (\$103,411 (fee); 2019)

Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA. Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

Bonanza Pump Station Flood Protection, Houma, Terrebonne Parish, LA. Geotechnical investigation for replacement of an existing bulkhead at Terrebonne Parish's Bonanza Pump Station in Houma, LA. Gulf South's scope of work included performing a soil boring to a depth of 80 feet, laboratory testing, and geotechnical engineering analyses consisting of bulkhead design parameters (tip depth, bending moment, anchor force, etc.), and general construction recommendations. (\$4,500 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Bryson S. Beard, P.E., ACI
Associate Geotechnical Engineer/Field Engineer

Project Assignment:

Associate Geotechnical Engineer/Field Engineer

Name of Firm with which associated:

Years' experience with this Firm:

2 years (joined Gulf South in 2022); *Gulf South Engineering and Testing, Inc. | 2022 to present*
3 years total (2021) *TetraTech, Inc. | 2021 to 2022*

Education: Degree(s)/Year/Specialization:

B.S., Geological Engineering (2021; University of Mississippi)

Active Registration: Year first registered/discipline:

Louisiana P.E. License Passed October 2023
Georgia, Engineering Intern (No. EIT029180, 2022)

Other experience and qualifications relevant to the proposed Project:

Bryson S. Beard, P.E., is an Associate Geotechnical Engineer/Field Engineer who serves as a Project Manager. He has performed geotechnical engineering analyses consisting of shallow and deep foundations, slope stability, TRS and sheetpile wall design, settlement, pavement design, etc., and has prepared engineering reports. Mr. Beard's experience in the field includes surface and subsurface soil sampling, water sampling, and soil classification. His work experience further includes core logging and oversight of groundwater monitoring well installations, piezometers, and inclinometers. He has been responsible for the preparation of reports and Facility Response Plans. He is experienced with laboratory sample preparation and testing as well as air sampling and soil gas sampling.

Mr. Bryson recently passed his Louisiana Professional Engineering test and will be a noted P.E. for the State of Louisiana once he fulfills the apprenticeship requirements set forth by LAPELS.

Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)

TEC Professional Services Questionnaire

Other experience and qualifications: **Bryson S. Beard, P.E., ACI (continued)**

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Sewer Lift Station No. F6-2 (W. Napoleon Blvd.), Metairie, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for upgrading an existing below grade sewer lift station (No. F6-2) off West Napoleon Boulevard in Metairie, LA. Gulf South's scope includes drilling a single boring to a depth of 60 feet below the ground surface, laboratory testing, engineering analyses (soil bearing values, bedding & backfill, pile capacities, and estimates of settlement) and general construction procedures and recommendations. (\$5,000 (fee); 2022)

Geotechnical Exploration Report for Multiple Sewer Lift Station Sites, Assumption Parish, LA. The Geotechnical Exploration Report's scope included drilling five undisturbed soil borings (each to a depth of 50 ft b.g.s.) and the performance of soil mechanics laboratory tests to evaluate the soil's physical characteristics. Engineering analyses were made and based on the field and laboratory test data to develop recommendations for the project. Soil mechanics laboratory tests consisted of classification tests (moisture, unit weight, Atterberg's, etc.) and unconfined/triaxial compression strength testing. Engineering analyses included soil classification, allowable pile load capacities, probe piles & pile load tests, vibration monitoring, etc.), and general construction procedures and recommendations. (\$20,000 (fee); 2024)

Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA. Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Lift Station No. 4330 Upgrade (New Wet Well), City of Kenner, LA. Geotechnical investigation related to the upgrades (below grade wet well and valve vault structures) of the existing below-grade Sewer Lift Station No. 4330 at 131 W. Esplanade Ave. in Kenner, LA. Scope involved drilling two undisturbed soil borings to depths of 70 feet (1 boring for wet well) and 15 feet (1 boring for valve pit) below the existing ground surface. Geotechnical laboratory testing was performed in accordance with the appropriate ASTM standards, this included strength tests (unconfined and/or triaxial) and classification tests (Atterberg Limits and/or particle size). Geotechnical evaluations (necessary to characterize the subsoil conditions of the site and develop engineering recommendations and analyses) included allowable pile load capacities, estimates of settlement, below-grade foundations (as appropriate), bedding and backfill recommendations, and general construction procedures and recommendations. (\$8,500 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:

Name & Title:

Joseph H. "Trey" Binder, III, ACI
Laboratory Manager

Project Assignment:

Laboratory Manager; Laboratory Technician

Name of Firm with which associated:

Years' experience with this Firm:

13 years (joined Gulf South in 2011);
13 years total (2011)

Gulf South Engineering and Testing, Inc. | 2011 to present
Ardaman and Associates, Inc. | 2007 to 2011
Soil Testing Engineers, Inc. | 2006 to 2007

Education: Degree(s)/Year/Specialization:

A.D., General Studies (2006; Nunez Community College)

Active Registration: Year first registered/discipline:

HAZMAT Awareness
HAZMAT Operations Training
ACI Aggregate Base Testing Technician
ACI Concrete Strength Testing Technician

Other experience and qualifications relevant to the proposed Project:

Trey Binder has direct experience with field and laboratory testing services. Mr. Binder's field work includes soil inspection and testing consisting of nuclear density testing and soil boring logging, vibration monitoring, pile inspection, concrete testing and inspection, asphalt testing and inspection, and pavement coring. In the laboratory, Mr. Binder has performed soil laboratory testing consisting of unconfined compression strength tests, triaxial strength tests, Atterberg limits, organic content tests, moisture and density tests, Proctor compaction tests, sieve analyses, and sample extrusion.

Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, LA. Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side. (\$35,000 (fee); 2022)

TEC Professional Services Questionnaire

Other experience and qualifications: **Joseph H. "Trey" Binder, III, ACI (continued)**

Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)

Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, LA. Geotechnical investigation for below grade pump station replacement. Gulf South drilled 1 boring to 30 feet below the ground surface, provide laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding, and backfill recommendations, estimates of settlement, and general construction recommendations. (\$3,900 (fee); 2012)

Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$7,500 (fee); 2022)

Lake Cataouatche Pump Station, Avondale, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. (\$12,500 (fee); 2019)

N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing for the project. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing. (\$20,000 (fee); 2021)

Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall. (\$7,500 (fee); 2020)

New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, LA. Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations. (\$5,000 (fee); 2013)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Tyler W. Pregeant, ACI Engineering Technician; CMT/Laboratory Technician	
Project Assignment:	
Engineering Technician; CMT/Laboratory Technician	
Name of Firm with which associated:	
 GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
5 years (joined Gulf South in 2019); Gulf South Engineering and Testing, Inc. 2019 to present 7 years total (2017)	
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i> <i>Currently attending UNO in Civil Engineering Program</i>	
Active Registration: Year first registered/discipline:	
<i>ACI Concrete Field Testing Technician - Grade I (02206931)</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Tyler Pregeant, ACI, serves as an engineering technician with the soil boring drill crew, within the soils' laboratory, and on construction projects as needed. His duties and responsibilities have included leading a drill crew, staking boring sites, supervising clearing contractors, data entry, testing soil for engineering properties of strength and classification, soil boring logging, vibration monitoring, and concrete testing and inspection. Laboratory tests performed include unconfined shear tests, moisture content tests, density tests, Atterberg limits tests, grain size sieve analyses, organic content tests and concrete strength breaks.</p> <p>Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Tyler W. Pregeant, ACI (continued)**

New Sewer Lift Station (Butler Drive & Grambling Street) E-10-1, Waggaman, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$30,000 (fee); ongoing)

Geotechnical Exploration Report for Kennedy Heights Lift Station Generator, Avondale, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project. The study included drilling soil borings and lab testing to determine subsoil conditions and groundwater/moisture content. Deep foundation recommendations included allowable pile load capacities, pile driving recommendations, probe piles and pile load tests, vibration monitoring recommendations, drag load/group effect, estimated settlement for pile foundations, and recommendations for site preparation, fill placement, compaction, and materials. (\$6,500 (fee); 2024)

Geotechnical Exploration Report for Lift Station Generators (4 Sites - F6-1, F6-11, F6-13, G6-4), Metairie, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project. The study included drilling soil borings and lab testing to determine subsoil conditions and groundwater/moisture content. Deep foundation recommendations included allowable pile load capacities, pile driving recommendations, probe piles and pile load tests, vibration monitoring recommendations, drag load/group effect, estimated settlement for pile foundations, and recommendations for site preparation, fill placement, compaction, and materials. (\$24,000 (fee); 2024)

Geotechnical Exploration Report for Sewer Lift Station (Hillcrest Drive), Marrero, Jefferson Parish, LA. Gulf South prepared a Geotechnical Exploration Report for the project. The study included drilling soil borings and lab testing to determine subsoil conditions and groundwater/moisture content. Deep foundation recommendations included allowable pile load capacities, pile driving recommendations, probe piles and pile load tests, vibration monitoring recommendations, drag load/group effect, estimated settlement for pile foundations, and fill materials & fill placement and compaction. Recommendations for inspection and protection of the bearing surface and uplift pressures were also noted. (\$8,500 (fee); 2024)

Bucktown Paddlers Launch, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes building earthwork, paving & concrete, concrete testing, soil density tests, pile inspection and modeling, and vibration monitoring. (\$6,000; ongoing)

East Bank Transit Operations Facility, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; soil density tests; earthwork inspection and testing; pile inspection and modeling; vibration monitoring; asphalt inspection; backfill compaction testing, and; static pile load testing. (\$16,000 (fee); 2024)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Ian Kerner Poché, ACI Assistant Laboratory Supervisor	
Project Assignment:	
Assistant Laboratory Supervisor	
Name of Firm with which associated:	
 GULF SOUTH ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
7 years (joined Gulf South in 2017); 7 years total (2017)	Gulf South Engineering and Testing, Inc. 2017 to present
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
<i>ACI Concrete Field Testing Technician - Grade 1 (exp 2028 03)</i> <i>ACI Aggregate Testing Technician - Level 1 (exp 2029 02 27)</i>	
Other experience and qualifications relevant to the proposed Project:	
<p>Ian Poché has worked in Gulf South's laboratory for several years and has experience with virtually every type of soil test. He has also helped when needed in the CMT department and has concrete testing experience, and is an ACI-certified Concrete Field Testing Technician.</p> <p>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, LA. Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall. (\$7,500 (fee); 2020)</p> <p>Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, LA. Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station located in Kenner, LA. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report. (\$48,000 (fee); 2024)</p>	

TEC Professional Services Questionnaire

Other experience and qualifications: **Ian Kerner Poché, ACI (continued)**

Pump Station 45 Upgrades (Clark Street), East Baton Rouge Parish, LA. Geotechnical investigation regarding the construction of a new pump station and a new 5 MG tank (with the option to build a second tank) at the existing PS 45 site along Clark Street in Baton Rouge, LA. Scope of services included drilling 11 undisturbed soil borings to depths of 80 to 120 ft. below the ground surface. Geotechnical laboratory testing were performed to ASTM standards and include strength test (unconfined and/or triaxial), classification tests (Atterberg Limits and/or particle size), consolidation tests, and others as appropriate. Geotechnical engineering analyses included allowable soil bearing values, shaft/pile load capacities, estimates of settlements, sludge loading analyses, and general construction procedures and recommendations. (\$68,000 (fee); 2023)

Dellwood Drainage Pump Station Improvement (Sun Valley Drive & Front Street), City of Slidell, LA. Geotechnical engineering services for construction improvements to the existing drainage pump station at the end of Sun Valley Drive and Front Street in Slidell, LA. Gulf South's scope of services includes drilling a single boring to a depth of 50 feet below the ground surface, laboratory testing, engineering analyses (bearing values, settlement, pile and shaft capacities) and general construction procedures and recommendations. (\$4,000 (fee); 2022)

Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)

Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)

Improvements to Sewer Lift Station M-11-3 (13th & Farrington) and Force Main, Marrero, Jefferson Parish, LA. Gulf South provided the materials testing and inspection during construction. Gulf South's scope of services included vibration monitoring, bedding and backfill testing, compaction/density tests, and concrete testing and inspection. (\$15,000 (fee); 2019)

Lift Station F-8-3 Replacement, Metairie, Jefferson Parish, LA. Geotechnical engineering services for the construction of a new lift station to replace the existing Jefferson Parish lift station (LS F-8-3) station off West Esplanade Avenue (between Houma Boulevard and Hudson Street) in Metairie, LA. Gulf South's scope includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. (\$8,500 (fee); 2020)

Lift Station Upgrade (24th St. and Delaware Ave.), City of Kenner, LA. Geotechnical engineering services for construction of a new generator pad and wet well located at 24th Street and Delaware Avenue in Kenner, LA. Gulf South's scope of services includes drilling two borings to a depths of 70 feet (1 boring for wet well) and 50 feet (1 boring for generator pad) below the ground surface, laboratory testing, engineering analyses (soil bearing values, pile capacities, bedding & backfill, and estimates of settlement) and general construction procedures and recommendations. (\$7,500 (fee); 2022)

TEC Professional Services Questionnaire

KEY PERSON, SPECIALIST, OR INDIVIDUAL CONSULTANT:	
Name & Title:	
Walter Jones Technician/Inspector	
Project Assignment:	
Technician/Inspector	
Name of Firm with which associated:	
 ENGINEERING AND TESTING, INC. Geotechnical & Materials Consultants	
Years' experience with this Firm:	
7 years (joined Gulf South in 2017); 19 years total (2005)	<i>Gulf South Engineering and Testing, Inc. 2017 to present</i> <i>Little Debbie Ind. Distributors 2013 to 2017</i> <i>Applied Business Concepts 2006 to 2013</i> <i>Royal Guard Corporation 2005 to 2006 & 2013</i>
Education: Degree(s)/Year/Specialization:	
<i>High School Diploma</i>	
Active Registration: Year first registered/discipline:	
American Portable Nuclear Gauge Assn. (APNGA) Certification OSHA Training	
Other experience and qualifications relevant to the proposed Project:	
<p>Walter Jones serves as a Technician/Inspector for Gulf South Engineering and Testing, Inc. He has provided services for a multitude of projects throughout the region since joining the firm in 2017.</p> <p>New Sewer Lift Station (Butler Drive & Grambling Street) E-10-1, Waggaman, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; backfill compaction testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$30,000 (fee); ongoing)</p> <p>Bissonet Drainage Outfall Improvements, Metairie, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes backfill compaction testing; concrete testing; soil density tests; earthwork inspection and testing, and; vibration monitoring. (\$20,000 (fee); ongoing)</p> <p>Metairie Lawn Drainage Improvements, Jefferson Parish, LA. Gulf South provided construction materials testing and inspection during construction of the project. Gulf South's scope of work includes concrete testing; earthwork inspection and testing, and; soil density tests. (\$5,000 (fee); ongoing)</p>	

TEC Professional Services Questionnaire

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

PROJECT NO. 1

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Woodlake Drainage Pump Station - Geotechnical Exploration Report, Kenner, Jefferson Parish, Louisiana</p> <p>MSMM Engineering, LLC 7640 S. Carrollton Ave Ste 220 New Orleans LA 70119</p> <p>Scott G. Chehardy, P.E., 985-233-9763 schehardy@msmmeng.com</p>	<p>Prepared a Geotechnical Exploration Report for the project which consisted of a new drainage pump station. Access to the canal was via Lake Pontchartrain. During the Field investigation, Gulf South drilled multiple undisturbed soil borings with one performed in the canal and the remaining on land. Geotechnical laboratory testing (ASTM standards) was performed. Following the collection of the field and laboratory data, evaluations necessary to characterize the subsoil conditions of the site were performed; findings, conclusions, and recommendations were presented in the final report.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2024	N/A	\$48,000 (fee)

PROJECT NO. 2

Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lake Cataouatche Drainage Pump Station Replacement, Avondale, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Department of Engineering 1221 Elmwood Park Blvd Ste 907 Jefferson LA 70123</p> <p>Mitch Theriot, P.E., 504-736-6742 mtheriot@jeffparish.net</p>	<p>Geotechnical engineering services for the construction of a replacement for the Lake Cataouatche drainage pump station in Avondale, LA. Gulf South's scope includes drilling a single undisturbed soil boring (depth of 100 ft bgs), laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2019	N/A	\$12,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 3		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Lake Cataouatche Drainage Pump Station Replacement (Chighizola Lane), Grand Isle, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical engineering services for the construction of a replacement Lake Cataouatche drainage pump station at the end of Chighizola Lane in Grand Isle. Gulf South's scope includes drilling one undisturbed soil borings to a depth of 80 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations. Pump station is close to a USACE floodwall so coordination and geotechnical engineering analyses were required to show the new pump station would not adversely affect the integrity of the floodwall.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
May 2020	N/A	\$7,500 (fee)

PROJECT NO. 4		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Midway at Soniat Canal Pump Station Elevator Generator Platform (Silver Oak Lane), Harahan, Jefferson Parish, Louisiana</p> <p>Burk-Kleinpeter, Inc. 4176 Canal Street New Orleans LA 70119</p> <p>Henry M. Picard, III, P.E., 504-486-5901 hpicard@bkiusa.com</p>	<p>Geotechnical engineering services for the construction of a new elevated generator platform at the Midway Soniat Canal pump station off Silver Oak Lane in Harahan, LA. Gulf South's scope of services includes drilling a single undisturbed soil boring to a depth of 100 feet below the ground surface, laboratory testing, engineering analyses and general construction procedures and recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$7,500 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 5		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Mississippi River Discharge Pump Station, River Ridge, Jefferson Parish, Louisiana</p> <p>ECM Consultants, Inc. 1301 Clearview Pkwy Ste 200 Metairie LA 70001</p> <p>Susina Shrestha, P.E., 504-885-4080 sshrestha@ecmconsultants.com</p>	<p>Gulf South provided geotechnical engineering services for the construction of a new pump station and force main discharge pipeline between Coventry Court and Lee Court in River Ridge. Scope includes drilling four undisturbed soil borings (one at 100 ft., one at 80 ft., and two at 30 ft.; all below ground surface), laboratory testing, engineering analyses (soil bearing values, pile load capacities, settlement estimates, retaining structure recommendations, slope stability analyses) and general construction procedures and recommendations. Pump station was located on flood side of the Mississippi River levee with discharge pipes crossing the levee to the protected side.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
December 2022	N/A	\$35,000 (fee)

PROJECT NO. 6		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Trudeau Drive Drainage Improvements at West Metairie Canal, Metairie, Jefferson Parish, Louisiana</p> <p>Hatch Mott MacDonald 650 Poydras Street, Suite 2025 New Orleans LA 70130</p> <p>Many Heymann, P.E., 504-799-0437 many.heyman@hatchmott.com</p>	<p>Geotechnical investigation for new drainage improvements along Trudeau Drive at W. Metairie Blvd. in Metairie, LA. The improvements will consist of replacing existing box culverts within W. Metairie Canal with double barrel 7 ft. x 11 ft. culverts, approximately 300 linear feet. Gulf South's scope includes drilling two soil borings each to a depth of 50 feet, lab testing, and geotechnical engineering analysis consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, slope stability analysis, rigid and/or flexible pavement design recommendations, and general construction recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2015	N/A	\$8,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 7		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>Morton & Ingrid Pump Station Rehabilitation, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical investigation for below grade pump station replacement. Gulf South drilled 1 boring to 30 feet below the ground surface, provide laboratory testing and geotechnical engineering analyses consisting of allowable soil bearing values, bedding, and backfill recommendations, estimates of settlement, and general construction recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2012	N/A	\$3,900 (fee)

PROJECT NO. 8		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>New Pump/Lift Station, Airline Park Boulevard at West Metairie Avenue, Jefferson Parish, Louisiana</p> <p>Principal Engineering, Inc. 1011 N Causeway Blvd Ste 19 Mandeville LA 70471</p> <p>Andre Monnot, P.E., 985-624-5001 andre@principal-engineering.com</p>	<p>Geotechnical investigation for a new pump/lift station for Jefferson Parish near the intersection of Airline Park Blvd. and W. Metairie Avenue. Scope of work consisted of performing one soil boring to 50 feet, laboratory testing, and geotechnical engineering analyses consisting of allowable soil bearing values, bedding and backfill recommendations, estimates of settlement, and general construction recommendations.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
August 2013	N/A	\$5,000 (fee)

TEC Professional Services Questionnaire

PROJECT NO. 9		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>St. Peter's Ditch - Phase IV (Pump Station at Clearview), Metairie, Jefferson Parish, Louisiana</p> <p>Jefferson Parish Public Works Department 1221 Elmwood Park Blvd Ste 904 Jefferson LA 70123</p> <p>Reda Youssef, P.E., 504-736-6783 JPPW@jeffparish.net</p>	<p>Project consisted of the construction of a new pump station and below grade culverts and piping for the Jefferson Parish Department of Public Works. Gulf South provided materials testing and inspection during construction (CMT). Scope included performing pile plant inspection, pile monitoring during installation, vibration monitoring, concrete testing and inspection, earthwork testing and inspection including soil sampling and field density tests, and steel inspection.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
October 2016	N/A	\$110,000 (fee)

PROJECT NO. 10		
Project Name, Location, and Owner's contact information:	Nature of Firm's Responsibility:	
<p>N. Sibley Pump Station Improvements, Metairie, Jefferson Parish, Louisiana</p> <p>Digital Engineering 527 W Esplanade Ave Ste 200 Kenner LA 70065</p> <p>Frank T. Liang, P.E., 504-468-6129 fliang@deii.net</p>	<p>Gulf South provided construction materials testing for the project, located at the corner of N. Sibley Street and West Napoleon Avenue. Gulf South's scope of work includes soil density tests, concrete inspection and testing, pile driving, pile load tests monitoring, vibration monitoring, and earthwork testing.</p>	
Completion Date (Actual or estimated:)	Estimated Cost:	
	Entire Project:	Work for which Firm was Responsible:
March 2021	N/A	\$20,000 (fee)

TEC Professional Services Questionnaire

M. List all prior and/or on-going litigation between Firm and Jefferson Parish. Please attach additional pages if necessary.		
Parties:		Status/Result of Case:
Plaintiff:	Defendant:	
1.	<i>Gulf South Engineering and Testing, Inc. is not currently, nor has it previously been involved, in litigation with Jefferson Parish.</i>	
2.		
3.		
4.		

N. Use this space to provide any additional information or description of resources supporting Firm’s qualifications for the proposed project.



CRITERIA 1 | PROFESSIONAL TRAINING AND EXPERIENCE

Gulf South Engineering and Testing, Inc. (Gulf South) is a geotechnical engineering and construction materials testing and inspection company which began operations in 2011. Since that time, we have grown to two offices and nearly three dozen employees.

Gulf South provides a broad range of geotechnical related services, completing more than 100 geotechnical engineering projects and 300 construction materials testing and inspection projects each year. These projects typically include soil borings (shallow and deep borings), laboratory testing (AASHTO, ASTM methods, etc.), soil classification (USCS), geotechnical engineering, and construction material testing and field inspection.

Gulf South is a woman-owned, Hudson Initiative-certified small entrepreneurship in Louisiana. Our laboratory is AASHTO and CCRL certified and USACE validated.

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our surveying experience with Jefferson Parish.

TEC Professional Services Questionnaire

N. continued.

Geotechnical Engineering Services

Gulf South's ownership and senior management have decades of combined experience in the profession and have completed thousands of projects. One of Gulf South's Principals, Chad M. Poché, P.E., a founding principal and Professional Engineer registered in Civil Engineering in Louisiana and Mississippi, has specific and extensive training & experience in geotechnical engineering. He has three decades of experience in planning, administering, and conducting geotechnical investigations.

The firm has specific engineering experience and training in **Geotechnical Engineering, Foundation Design, and Geology & Geohydrology**; our staff has extensive experience in all aspects of soil mechanics and geotechnical engineering with specific knowledge in the following areas:

- Shallow and deep foundations (piles, shafts, augercast, screw/anchor piles)
- Deep excavations, cofferdams, retaining walls
- Levees and soft ground construction; slope stability & seepage
- Earthwork; settlement analyses
- Shoreline protection
- Scour analyses
- LRFD Design
- Mechanically Stabilized Earth (MSE) Walls
- Development of load test programs
- Geotechnical instrumentation and construction monitoring
- Canals and pump station foundations
- Pipe bedding and backfill
- Roadways, bridges, pavements

Laboratory Testing Services

Gulf South's laboratory is equipped to serve the specific needs of our clients and managed by trained and experienced personnel. All testing is performed in accordance with ASTM, AASHTO, and/or other approved procedures. Gulf South routinely performs soil and concrete strength testing (unconfined and triaxial), soil classification tests (Atterberg limits, moisture content, density, particle size), soil and aggregate sieves, organic content, pH, soil resistivity, and moisture/density relationships (Proctor tests). Gulf South's laboratories are managed by full time, experienced, managers and staff. Further, **Gulf South's Kenner laboratory is AASHTO and CCRL certified and USACE validated.**

Field Investigation Services

Gulf South owns truck mounted (ARDCO C-1000) and track mounted (ARDCO SD 350) drilling rigs with associated and appurtenant support equipment (water trucks and buggy). Our equipment and crews are capable of drilling soil borings to depths of up to 300 feet and installing monitor wells, piezometers, and inclinometers. We can also perform CPT soundings, geoprobe borings, and field testing at any site. Our staff has extensive experience in planning, oversight, and direction of field investigations.

TEC Professional Services Questionnaire

N. continued.

Construction Materials Testing & Inspection

Gulf South provides a full range of construction materials testing & inspection services for structures, earthwork, foundations, pipelines, and pavements. The range of services provided includes:

- Fill and base compaction and density testing
- Vibration monitoring
- Pre- and post-construction inspection
- Concrete testing and inspection
- Soil testing (field and laboratory)
- Asphalt testing
- Pile (driven & augercast) and shaft installation monitoring
- Load tests
- Earthwork/proof roll inspection
- Welding inspection
- Steel inspection
- Noise monitoring
- Prepare daily field reports and/or field books
- Maintain records per the client's directive

We have provided construction testing & oversight for projects as small as a house pad to as large as the **\$1.2 billion Louis Armstrong New Orleans International Airport North Terminal** project.

CRITERIA 2 | SIZE OF FIRM

At 30 employees, Gulf South has the appropriate number of employees and personnel for this project. We will complete our scope of services on time and within budget. Further said, Gulf South can readily meet the time and budget constraints for projects assigned to this contract. Our current workload is such that we can expeditiously complete projects for this contract.

CRITERIA 3 | CAPACITY FOR TIMELY COMPLETION

Gulf South has the manpower and equipment to expeditiously complete any task order assigned under this contract. The tasks which would be assigned under this contract are the types of projects we perform and complete each day. Gulf South is thoroughly familiar with the specialized and unique CMT needs required for the projects that may be issued under this contract.

The contract and contractual issues will be overseen by Chad M. Poché, P.E. The technical aspects of tasks assigned to the contract will be managed by Eric A. Paille, C.E.T., ACI, with support and oversight as needed from Brandon A. Paille, ACI; James Tiner, ACI; Joseph H. "Trey" Binder, III, ACI; and Gulf South's various department managers, technicians, and administrative support staff.

TEC Professional Services Questionnaire

N. continued.

As a task or project is awarded to the Gulf South Team, a file number is assigned to the project and all pertinent information is gathered (name, location, contacts, etc.). Brandon A. Paille, ACI will manage the project and assign appropriate personnel to accomplish the task. All field tests and reports are reviewed by Mr. Poché/Mr. Beard and Mr. Paille prior to being sent to the client.

Elements of our task work can include:

- meet with client to discuss project parameters and required tests/inspection
- collect any samples for testing for Proctor tests or pre approval to be used
- visit site as needed and requested to perform tests/inspections
- provide daily reports of findings and results

All field tests and reports are reviewed by Mr. Poché/Mr. Beard and Mr. Paille prior to being sent to the client.

All laboratory tests are reviewed by Gulf South's laboratory manager. Daily Field Reports are prepared and distributed by Gulf South's administrative personnel.

The Gulf South Team will provide all services in a safe and timely manner. We will coordinate with the Port's Project Manager(s) on a regular basis to keep them informed and to coordinate our schedule, work, and deliverables. We guarantee that every project or task assigned to this contract will be given high priority, be done efficiently, and completed accurately, on time, and within budget.

CRITERIA 4 | PAST PERFORMANCE

Gulf South has worked both directly and indirectly for various Jefferson Parish Departments (Public Works, Engineering Department, Drainage Department, Jefferson Parish School Board, etc.) throughout our history. Beyond the projects included within this form, additional project information (including listings, background, & client contacts) are available upon request. We have also completed similar services for Public and Private concerns throughout the region.

Please refer to our projects noted in our personnel listings in Item K as well as the representative projects shown in Item L for specific project examples and an overview of our specialized experience and service.

CRITERIA 5 | LOCATION OF THE PRINCIPAL OFFICE

Gulf South Engineering and Testing has been headquartered in Jefferson Parish since beginning operations in 2011; our principal office is located in Jefferson Parish at 15 Veterans Memorial Boulevard in Kenner. We also maintain an office in Gonzales, LA.

TEC Professional Services Questionnaire

N. continued.

CRITERIA 6 | LEGAL STATEMENT

As stated in Item M, Gulf South has had no litigation, past or present, with Jefferson Parish, nor any of our clients.

CRITERIA 7 | PRIOR SUCCESSFUL COMPLETION OF PROJECTS

The Principals and key employees of Gulf South have many years of applicable experience in working for and with Government Agencies and private industry. Founding principal and Executive Vice President of Gulf South, Chad M. Poché, P.E., has been a practicing registered geotechnical engineer in South Louisiana since 1998. He has specialized training and experience in geotechnical engineering throughout Louisiana.

As evidenced in the provided projects and personnel résumés, key personnel experience includes the completion of **thousands of projects in the region** throughout their careers for a broad range of clients, including both the government and private sectors. We can submit data in formats acceptable and customized to our clients' needs.

Gulf South invites you to contact any of our clients for a candid discussion of our service and professionalism, and offer these direct references:

Neil Schneider, CCM, P.E., Director, Capital Projects, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Ben Lepine, Acting Director, Drainage Department, Jefferson Parish
(504-736-6751 | JPDrainage@jeffparish.net)

Angela DeSoto, P.E., Director, Engineering Department, Jefferson Parish
(504-736-6511 | ADeSoto@jeffparish.net)

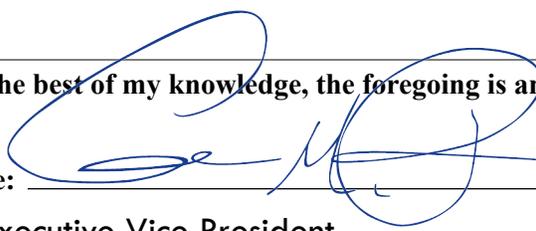
Mark R. Drewes, P.E., Director, Public Works Department, Jefferson Parish
(504-736-6783 | JPPW@jeffparish.net)

Michael B. Cooper, Parish President, St. Tammany Parish
(985-898-2362 | president@stpgov.org)

Joey Tureau, Director of Transportation, Ascension Parish
(225-450-1013 | jtureau@apgov.us)

José A. Gonzales, CAO, City of Kenner
(504-468-4090 | jgonzalez@kenner.la.us)

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

Signature:  Print Name: Chad M. Poché, P.E.

Title: Executive Vice President Date: August 22, 2024

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

Name:

Gulf South Engineering and Testing, Inc.

Public Address:

Mr. Chad Poche, PE15 Veterans Memorial Boulevard
Kenner, Louisiana 70062

License/Certificate Information w/ Supervision

License	Status	First Issuance Date	Expiration Date	Supervisor(s)
EF.0004626	Active	07/27/2010	03/31/2025	Mr. Chad Mitchell Poche# PE.0027667



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Chad Mitchell Poche

License/Certificate Type - Number

PE.0027667

Expiration Date

09/30/2024

Status: **Active**



LOUISIANA PROFESSIONAL
ENGINEERING & LAND SURVEYING BOARD
(LAPELS)
9643 Brookline Avenue, Suite 121
Baton Rouge, LA 70809
Phone (225) 925-6291
www.lapels.com

Mr. Ralph P. Fontcuberta Jr.

License/Certificate Type - Number

PLS.0004329

Expiration Date

09/30/2024

Status: **Active**



DIVISION OF SMALL BUSINESS SERVICES

This certification acknowledges that

Gulf South Engineering and Testing, Inc.

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

This certification is valid from 12/27/2023 to 12/27/2024 .

Certification No. 11011

Stephanie Hartman,
Director, Entrepreneurial Services



**USACE CERTIFICATE
OF
LABORATORY VALIDATION**



Gulf South Engineering and Testing

15 Veterans Memorial Blvd
Kenner, LA, United States
Trey Binder
(504) 305-4401

has demonstrated, by abbreviated audit of its AASHTO accreditation, or by inspection of required records, equipment, procedures, facilities, and/or final reports, its proficiency to perform testing of construction materials, as established by the quality standards of AASHTO R 18 guidance and the requirements of the applicable ASTM standards.

THIS USACE CERTIFICATE OF LABORATORY VALIDATION IS ACCURATE AS OF ITS DATE AND TIME OF GENERATION:

06 MAY 2024 AT 14:40 HOURS

ALL METHODS LISTED ON THIS CERTIFICATE OF VALIDATION WILL EXPIRE ON 05/03/2026

PLEASE CONFIRM THE CURRENT VALIDATION STATUS OF THIS LABORATORY USING THE SEARCH FEATURE ON OUR PUBLIC WEBSITE: <https://mtc.erdcdren.mil>

Chad A. Gartrell, PE, Director
USACE Materials Testing Center
Vicksburg, Mississippi, USA

AGGREGATE

- Aggregate - C 128 - Specific Gravity & Absorption in Fine Aggregate
- Aggregate - C 566 - Total Moisture Content
- Aggregate - C 702 - Reducing Samples to Testing Size

CONCRETE

- Concrete - C 31 - Making and Curing Test Specimens in the Field
- Concrete - C 39 - Compressive Strength of Cylindrical Specimens
- Concrete - C 138 - Unit Weight and Air Content by Gravimetric
- Concrete - C 143 - Slump
- Concrete - C 172 - Sampling
- Concrete - C 231 - Air Content by Pressure ***required if C173 not performed***
- Concrete - C 511 - Moist Cabinets, Moist Rooms, Water Storage Tanks
- Concrete - C 1064 - Temperature of Concrete
- Concrete - C 1077 - Concrete and Concrete Aggregate Testing Standards (Quality Standards)
- Concrete - C 1231 - Unbonded Caps

SOILS

- Soils - E 329 - Standard Specification for Agencies Engaged in Construction Inspection, Testing, or Special Inspection
- Soils - D 421 - Dry Preparation for Particle Size Distribution & Soil Constants
- Soils - D 422 - Particle Size Analysis (Sieve and Hydrometer)
- Soils - D 698 - Compaction Characteristics by Standard Effort
- Soils - D 1140 - Material Finer than 75 μ m (No. 200) Sieve
- Soils - D 1556 - Density & Unit Weight by Sand Cone
- Soils - D 1557 - Compaction Characteristics by Modified Effort
- Soils - D 2166 - Unconfined Compressive Strength
- Soils - D 2216 - Water Content
- Soils - D 2487 - Classification of Soils
- Soils - D 2488 - Description & Identification of Soils (Visual-Manual Procedure)
- Soils - D 2974 - Moisture, Ash, & Organic Matter of Peat & Other Organic Soils
- Soils - D 4318 - Liquid & Plastic Limits & Plasticity Index
- Soils - D 4643 - Determination of Water Content of Soil by Microwave Oven
- Soils - D 6938 - Density and Water Content by Shallow Depth Nuclear Method



CERTIFICATE OF ACCREDITATION



Gulf South Engineering and Testing, Inc.

in

Kenner, Louisiana, USA

has demonstrated proficiency for the testing of construction materials and has conformed to the requirements established in AASHTO R 18 and the AASHTO Accreditation policies established by the AASHTO Committee on Materials and Pavements.

The scope of accreditation can be viewed on the Directory of AASHTO Accredited Laboratories (aashtoresource.org).


Jim Tymon,
AASHTO Executive Director


Moe Jamshidi,
AASHTO COMP Chair

This certificate was generated on 04/11/2024 at 12:54 PM Eastern Time. Please confirm the current accreditation status of this laboratory at aashtoresource.org/aap/accreditation-directory



THIS CERTIFICATE IS PROUDLY PRESENTED TO

Gulf South Engineering and Testing, Inc.

8/15/2023

DATE



SIGNATURE

